

March 8, 2023

Mr. Michael Squire
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

**Re: *National Grid Oneida Former MGP Site
NYSDEC Site No. 727008
Oneida, New York
2022 Periodic Review Report***

Dear Mr. Squire:

In accordance with correspondence from your office, dated March 8, 2023, the attached 2022 Periodic Review Report (PRR) for the National Grid Oneida Former MGP Site has been modified per your request.

Please feel free to contact me at 315.428.5652 if you have any questions.

Sincerely,



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

I. Introduction

A. Brief Site Summary –

The Former Oneida Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 2.1 acre lot in Oneida, New York (refer to Figure 1 Site Location Map). Manufactured gas was produced at the Site by a predecessor company to Niagara Mohawk Power Corporation from approximately 1868 until around 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1964 with the exception of the Service Center Building which was expanded in 1974 and has remained essentially unchanged since that time.

An investigation of the Site began in 1994 with a PSA/IRM Study, the remedial investigation (RI) in 1997, and a feasibility study in 1998. In 2002, National Grid also conducted an investigation of the Tailrace/Oneida Creek confluence which is located downstream from the Site. These results prompted a supplemental site investigation in 2006.

The site investigations identified impacted soils from MGP related activities, specifically coal tar and purifier waste. The constituents of concern (COCs) are primarily the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX), the general class of semi-volatile organic compounds (SVOCs) known as polycyclic aromatic hydrocarbons (PAHs), and cyanide, all of which can be found at the Site and the off-Site area.

B. Remedial Program Effectiveness – During the reporting period (September 22, 2021 to January 22, 2023) the long-term remedial objectives were met for the site.

C. Remedial Program Compliance - The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance. The Institutional Control (IC) / Environmental Easement was recorded with Madison County on March 28, 2017,

D. Remedial Program Recommendations - It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual

Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period January 22, 2023 to January 22, 2024.

II. Site Overview

A. Site Location and Boundaries –

The Site is located in the City of Oneida, Madison County, New York (Figure 1 presents the site location map). The Site is an approximate 2.1-acre area bounded 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 property contains a vacant, single-story office building/garage (Service Center Building), and is surrounded by a 6-foot chain link fence with barbed wire.

B. Regulatory History and Remedy Features –

The Site and off-Site area were remediated in three separate phases between January 2008 and December 2012 in accordance with the *Record of Decision* (NYSDEC, 2000), *Amended Record of Decision* (NYSDEC, 2002), *Explanation of Significant Difference* (NYSDEC, 2007), *Remedial Design/Remedial Action Work Plan – Phase 1 Area and Phase 1 Area Extension* (Arcadis 2007), *Phase 1 Remedial Action – Addendum to Work Plan and Contractor Submittals* (National Grid 2008), *Phase 2 Remedial Design/Remedial Action Work Plan* (Arcadis 2008), and *Phase 3 Remedial Design/Remedial Action Work Plan* (Arcadis 2011). The remedial efforts included excavating approximately 65,337 cubic yards of soil and debris at depths of five (5) to 20 feet below grade, and the demolition of former building foundations, underground facilities, and former MGP structures located within the remedial excavation limits including gas holder and purifier foundations. Approximately 57,407 cubic yards of excavated soil and debris received off-site treatment and disposal due to exceeding the soil remediation levels. Clean imported fill as well as the excavated materials that met the applicable soil remediation levels were used to backfill the excavation areas. Groundwater was collected, treated and discharged during the remediation work totaling approximately 6.9 million gallons of construction wastewater.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

- A. **Evaluation of Remedy Performance** – Annual visual inspections of the cover system are conducted on the Site. The remedy performance has been effective in protecting the public.

IV. **IC/EC Plan Compliance Report**

A. **IC/EC Requirements and Compliance**

1. **IC/EC Controls**

The ICs/ECs:

- **Soil Cover System:** Annual site inspection of the cover system includes identification of any damage to the cover. National Grid conducts quarterly inspections for internal security purposes.
- **Monitoring Wells Associated with Monitored Natural Attenuation (MNA):** Semi-annual groundwater sampling of the monitoring well system, until either water quality is consistently below NYSDEC standards, or has become asymptotic at an acceptable level over an extended period.

2. **IC/EC Goals** - Each goal is being met and/or working effectively.

3. **IC/EC Corrective Measures** – No deficiencies were noted during the site inspections.

4. **IC/EC Conclusions/Recommendations** – The EC program is in compliance and there are no recommendations for the program at this time.

5. **IC/EC Certification** – Refer to PRR Form - Attachment 1 for the certification.

- V. **Monitoring Plan Compliance Report** – The Annual Monitoring Report was submitted to the NYSDEC on February 6, 2023. A copy of the report is included as Attachment 2.

- VI. **Operation & Maintenance (O&M) Plan Compliance Report** – Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. Compliance with Site Management Plan (SMP)

1. **Requirements** – All IC/EC Plan requirements were met during this reporting period.
2. **Exposure Pathways** – There are no new completed exposure pathways resulting in unacceptable risk.
3. **Proposed Plans and Schedule to Meet Compliance** – No plan proposed.

B. Performance and Effectiveness of the Remedy – The remedy as described in the Site Management Plan and executed by National Grid has been effective in meeting the program goals.

C. Future PRR Submittals – The frequency of PRR Submittals should remain annual. Therefore, the next PRR reporting period will cover January 22, 2023 through January 22, 2024.

VIII. Additional Guidance – Not needed.

REFERENCES

Arcadis, 2018. "Site Management Plan, Oneida (Sconondoa Street) Former MGP Site", December 2018.

National Grid- Oneida MGP Site (NYSDEC Site No. 727008)

Reporting Period – September 22, 2021 to January 22, 2023

Attachment 1: PRR Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **727008**

Site Name **NM - Sconondoa St. - Oneida MGP**

Site Address: Sconondoa Street Zip Code: 13421
City/Town: Oneida
County: Madison
Site Acreage: 2.105

Reporting Period: September 22, 2021 to January 22, 2023

YES NO

1. Is the information above correct? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Commercial and Industrial

7. Are all ICs in place and functioning as designed? ☒ ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**30.64-2-16**

National Grid

Ground Water Use Restriction
 Site Management Plan
 Landuse Restriction

The specific institutional controls to be implemented under the SMP are as follows:

1. The Site may only be used for commercial and industrial enterprises provided that the long-term institutional and engineering controls identified in the SMP are employed.
2. All engineering controls must be operated and maintained as specified in the SMP.
3. All engineering controls must be inspected at the frequency and in the manner defined in the SMP.
4. The use of groundwater underlying the Site is prohibited without necessary water quality treatment, as determined by NYSDOH or the Madison County Department of Health, to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from NYSDEC.
5. Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.

Description of Engineering ControlsParcelEngineering Control**30.64-2-16**

Cover System
 Fencing/Access Control
 Monitoring Wells

Exposure to remaining MGP-related impacts in soil at the Site is prevented by a soil cover system, which comprises the following:

- ? A woven geotextile demarcation fabric and a minimum of 12 inches of clean imported fill material meeting the SCOs for commercial use, as set forth in Table 375-6.8(b) of 6 NYCRR 375;
- ? Asphalt pavement;
- ? Concrete sidewalks; and
- ? The concrete foundation slab of the existing Service Center Building.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 727008

Box 6

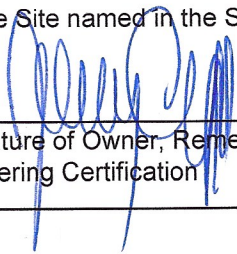
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

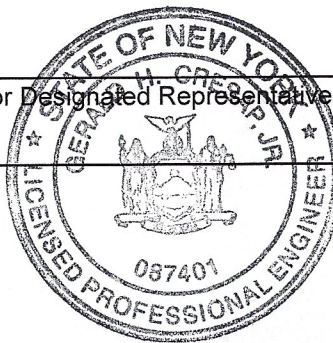
I Gerald Cresap, PE at 6780 Northern Blvd., Suite 100, East Syracuse, NY,
print name print business address

am certifying as agent of National Grid (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

2-8-2023
Date



EC CERTIFICATIONS

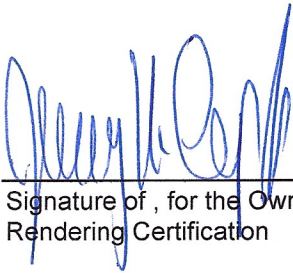
Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerald Cresap, PE at 6780 Northern Blvd., Suite 100, East Syracuse, NY,
print name print business address

am certifying as a for the agent of National Grid
(Owner or Remedial Party)



Signature of , for the Owner or Remedial Party
Rendering Certification Stamp
(Required for PE)

2-8-2023
Date

National Grid- Oneida MGP Site (NYSDEC Site No. 727008)

Reporting Period – September 22, 2021 to January 22, 2023

Attachment 2: Annual Monitoring Report

February 6, 2023

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: 2022 Annual Groundwater Monitoring Report
Oneida (Sconondoa Street) Former MGP Site
Oneida, NY
NYSDEC Site No. 7-27-008

Dear Mr. Squire:

Enclosed is the 2022 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.
- We are awaiting your response regarding the abandonment request for well RW-1.

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

2022 Groundwater Monitoring Report



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

January 2023

Version 1





2022 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:
0603324.132410.221

Date:
February 6, 2023

A handwritten signature in black ink, appearing to read "D. Shay", is positioned above a horizontal line.

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist



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Appendices

Appendix A – Well Sampling Field and Analytical Data

Appendix B – Well Sampling Data Usability Summary Report

Appendix C – Quarterly Site Inspections



Acronyms & Abbreviations

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

1 Introduction

1.1 Introduction

Groundwater & Environmental Services, Inc. (GES) has prepared this 2022 Groundwater Monitoring Report on behalf of National Grid. This report compiles the groundwater monitoring activities completed in the Spring of 2022, and Fall of 2022 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 2022:

- Semi-Annual groundwater sampling was conducted in April 2022, and October 2022 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 2022 event was conducted on April 20, 2022, and fall 2022 event was conducted on October 12, 2022. 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 2022, and October 2022, NAPL was not detected 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 20, 2022, and October 12, 2022 (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 2022, monitoring wells MW-4, MW-ES-8, and MW-103 had no detections of any analyzed compound. Monitoring wells MW-2, MW-6, MW-7, and MW-9 had exceedances of one or more compounds during the April 2022 sampling event. In October 2022, MW-1, MW-6, MW-7, and MW-12 had exceedances of one or more compound. Monitoring well MW-3, MW-4, MW-ES-8, MW-11, and MW-103 had no detections of any analyzed compound in October 2022.

2.4 Analytical Results Data Validation

The analytical data reports provided by Pace for the April 2022, and October 2022 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. During the October 2022 inspection, the stand-up pipe casing for RW-1 was found to have been destroyed, most likely by a mower. Refer to **Appendix A** for a photograph of the destroyed well casing, and to **Appendix C** for the quarterly inspection sheets.



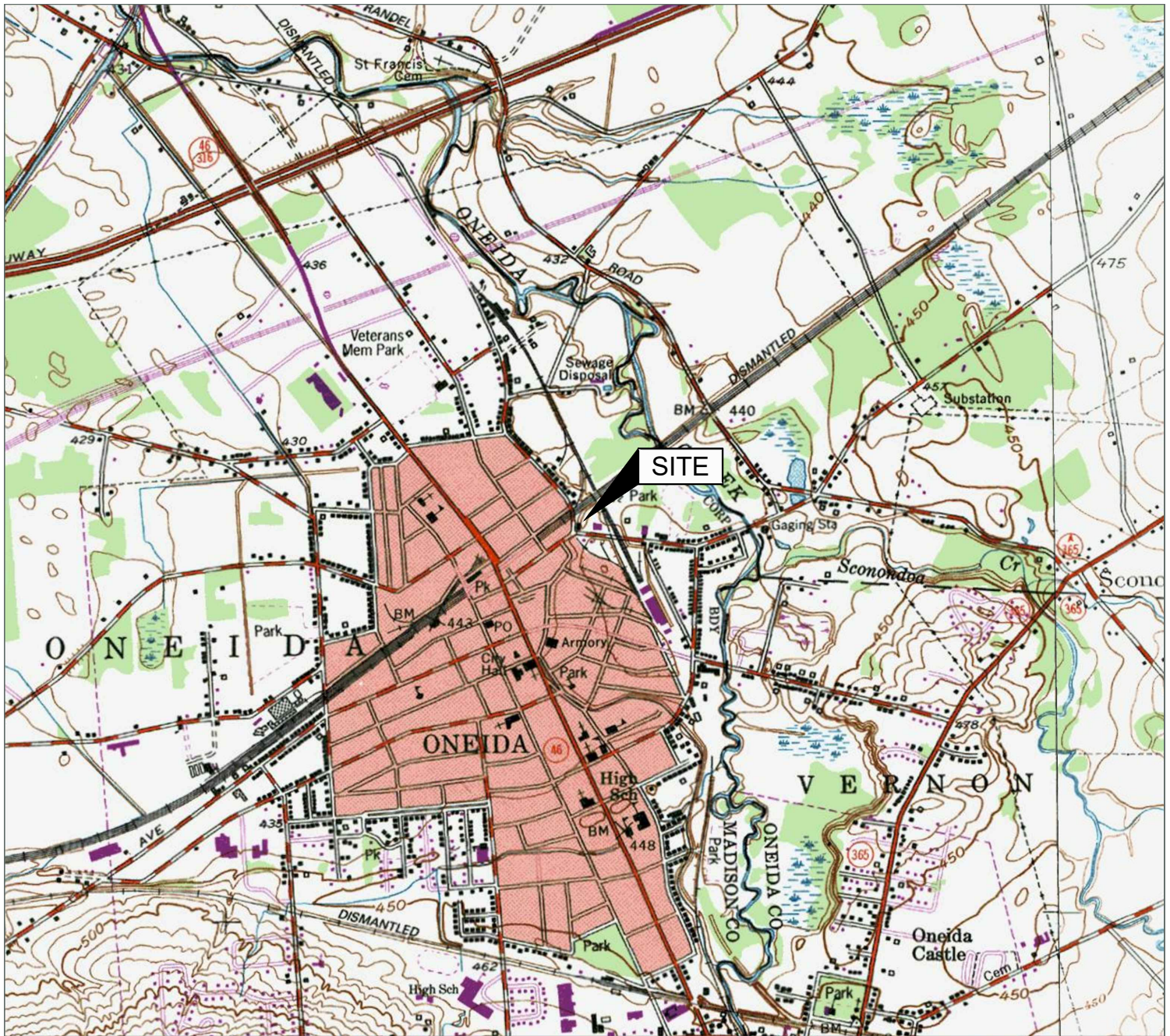
3.2 Recommendations

For 2023, GES recommends that the OM&M site program continue with the following elements:

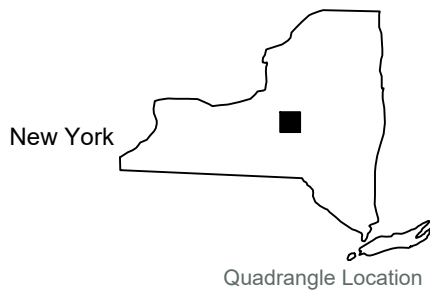
- Perform semi-annual groundwater monitoring well sampling/analysis.
- Perform quarterly site-wide inspections. Conduct site maintenance, including routine snow removal, vegetation removal, and system/building upkeep.
- Perform semi-annual NAPL collection and disposal, as necessary.
- Abandon RW-1 following NYSDEC approval of November 22, 2022 correspondence from National Grid.
- 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



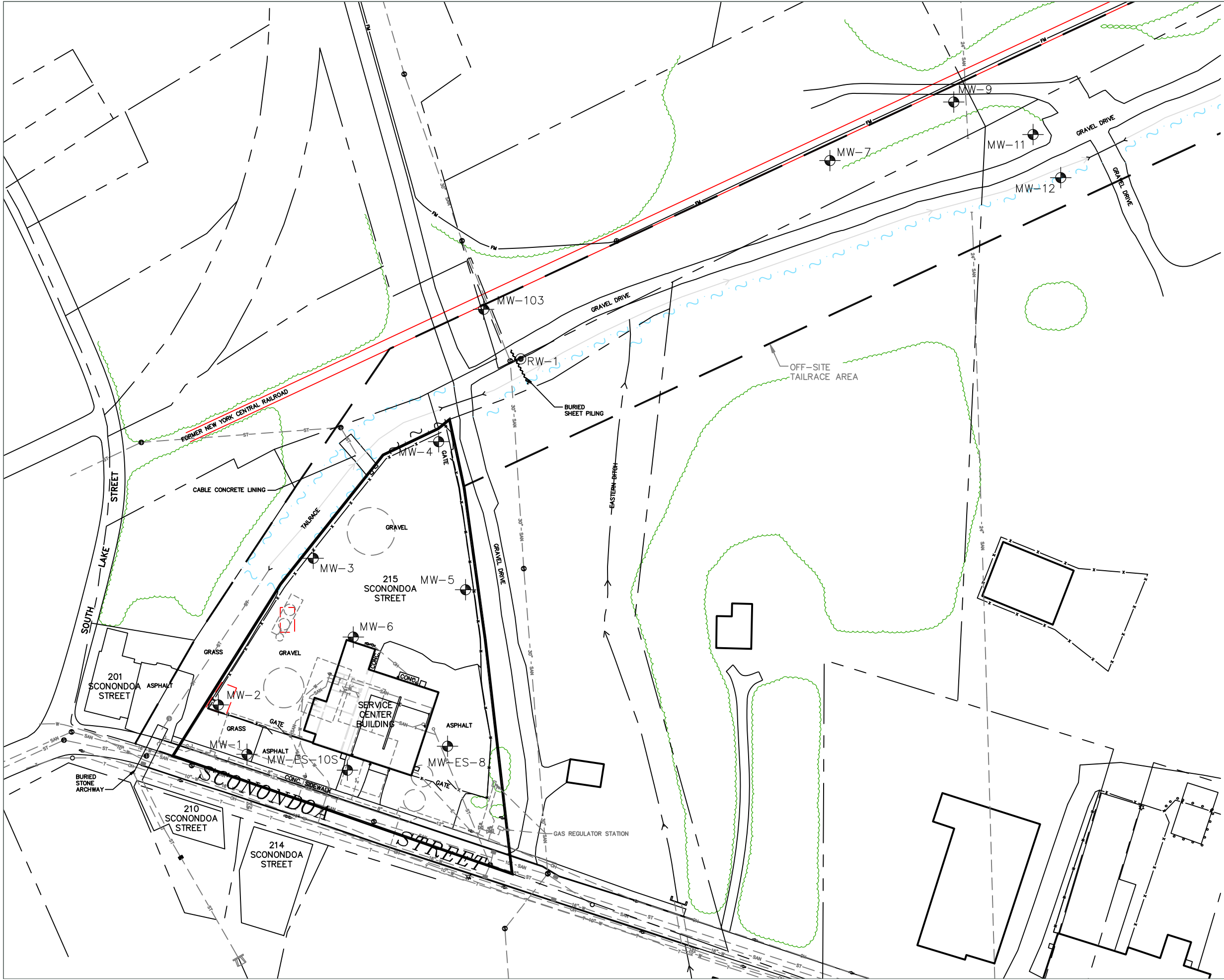
Scale In Feet

0 2000



Groundwater & Environmental Services, Inc.

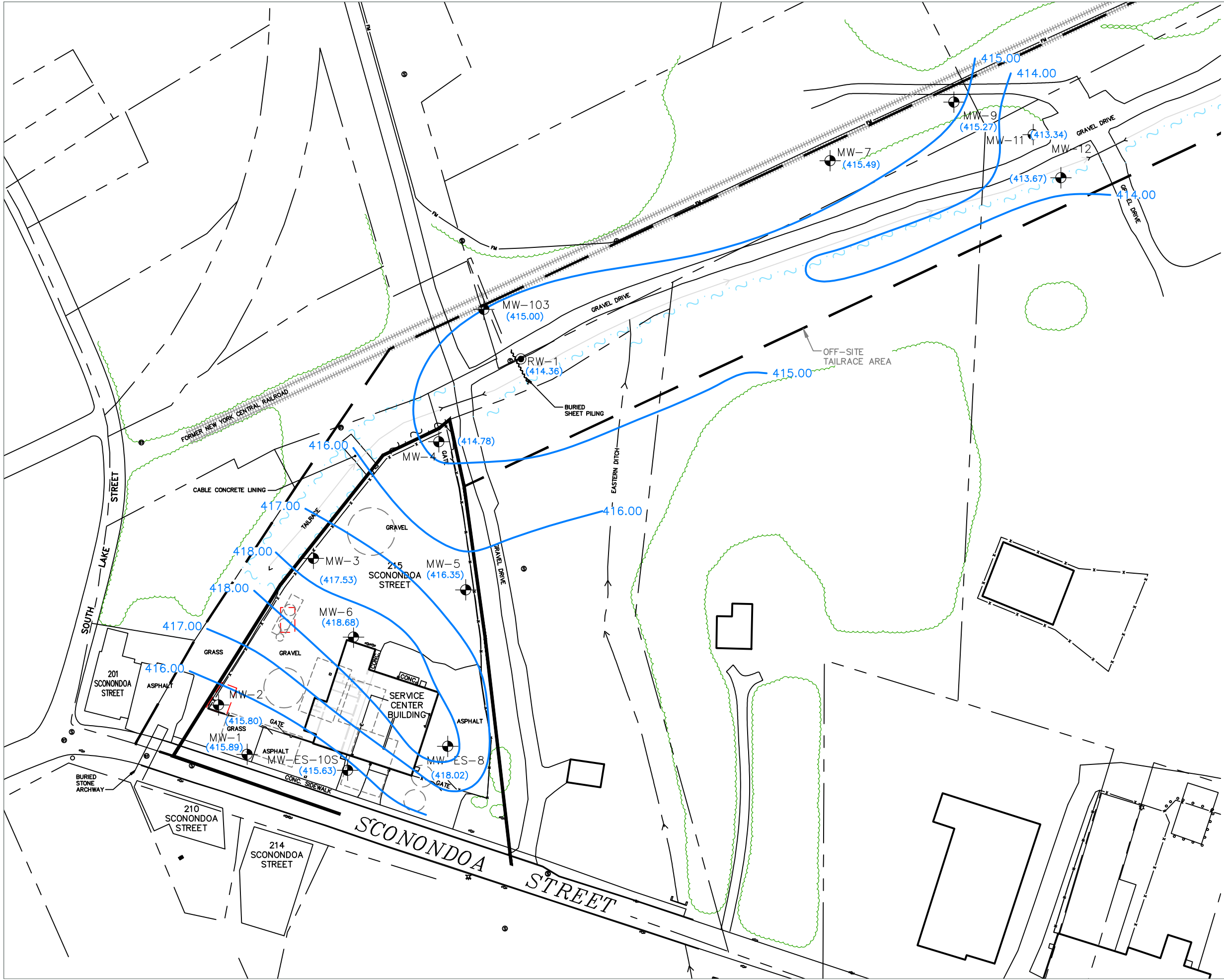
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- LEGEND**
- PROPERTY BOUNDARY
 - x FENCE
 - (M) UTILITY MANHOLE
 - ⊕ FIRE HYDRANT
 - ☼ LIGHT POLE
 - UTILITY POLE
 - MONITORING WELL
 - RECOVERY WELL
 - SS UNDERGROUND SANITARY SEWER LINE
 - ST UNDERGROUND STORM SEWER LINE
 - T UNDERGROUND TELEPHONE LINE
 - UE UNDERGROUND ELECTRIC LINE
 - W UNDERGROUND WATER LINE
 - G UNDERGROUND GAS LINE
 - OE OVERHEAD UTILITIES

Site Map		
National Grid 215 Sonondoa Street Oneida, New York		
Drawn W.G.S. Designed Approved	 Scale In Feet 0 100  Groundwater & Environmental Services, Inc.	Date 11/3/21 Figure 2

M:\Graphics\0600-Syracuse\Misc\National Grid\Oneida\Oneida SM.dwg, B100(CURRENT), DHendricks



- LEGEND**
- PROPERTY BOUNDARY
 - x - FENCE
 - (M) UTILITY MANHOLE
 - ⊕ FIRE HYDRANT
 - ☀ LIGHT POLE
 - ⊙ UTILITY POLE
 - MONITORING WELL
 - RECOVERY WELL
 - (418.68) GROUNDWATER ELEVATION (feet)
 - ~ GROUNDWATER CONTOUR (feet)

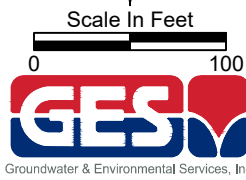
Groundwater Contour Map
April 20, 2022

National Grid
215 Sonondoa Street
Oneida, New York

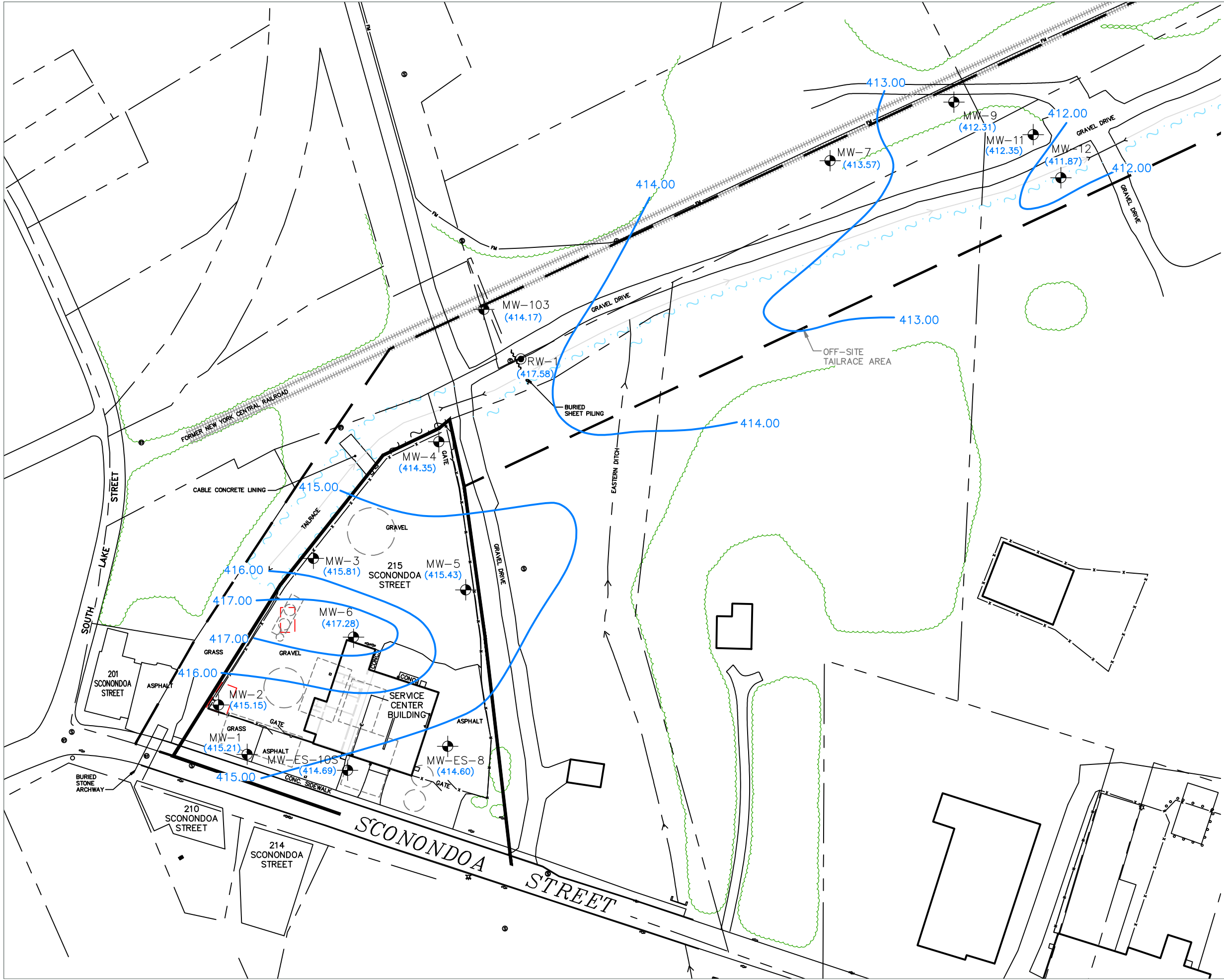
Drawn
D.H.
Designed
Approved



Date
01/20/23
Figure
3



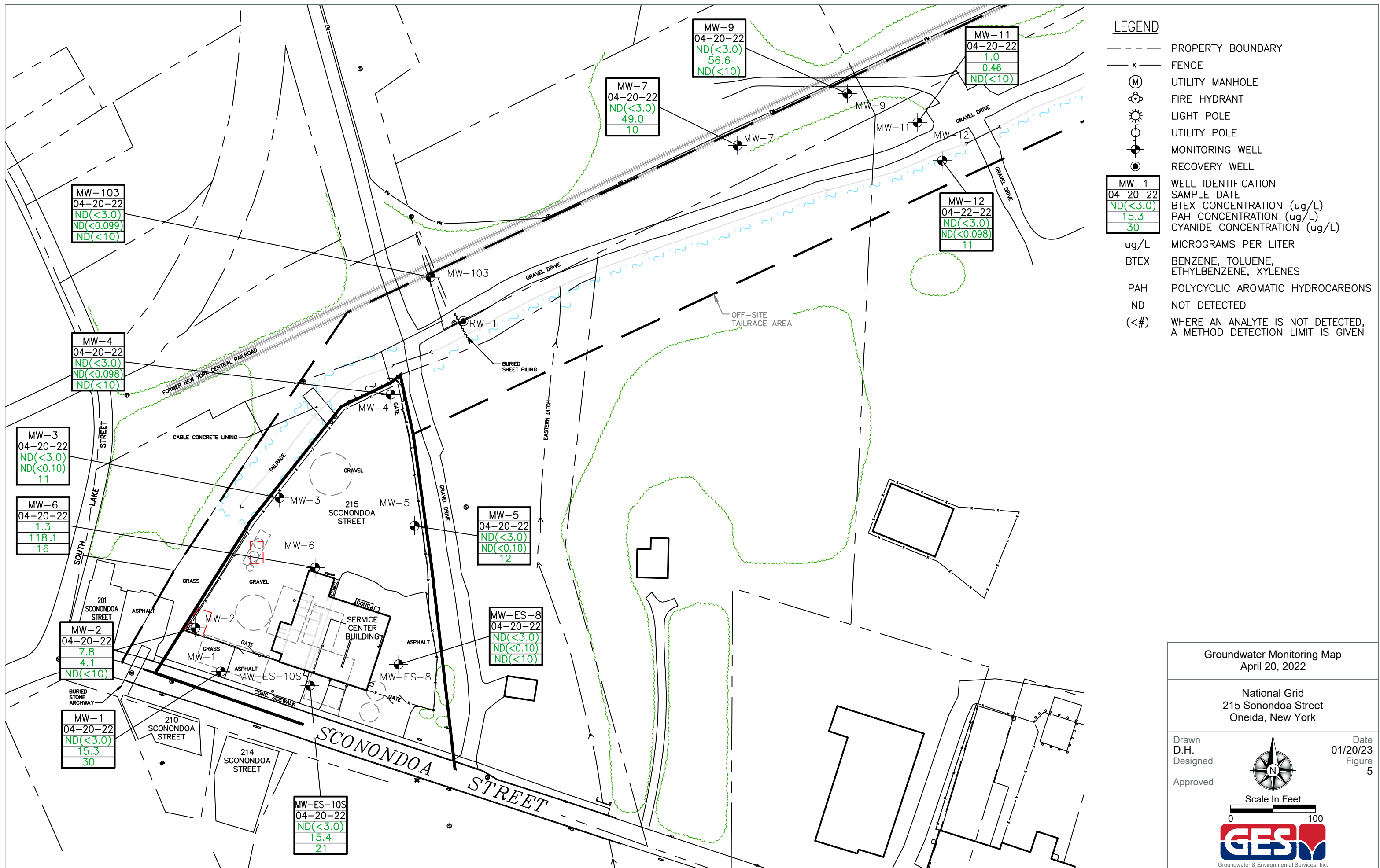
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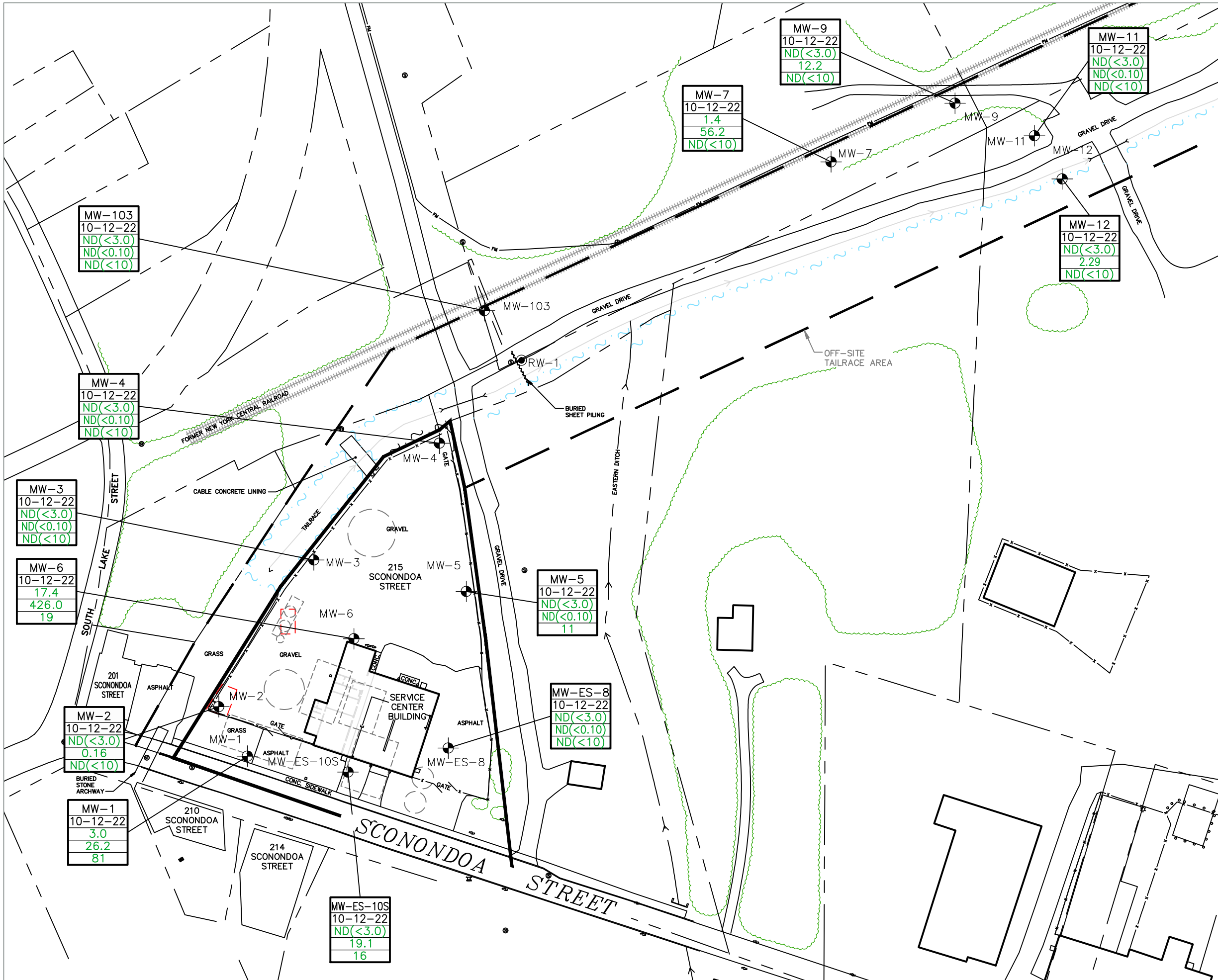
LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- (M) UTILITY MANHOLE
- ⊕ FIRE HYDRANT
- ☀ LIGHT POLE
- UTILITY POLE
- MONITORING WELL
- RECOVERY WELL
- (417.28) GROUNDWATER ELEVATION (feet)
- ~ GROUNDWATER CONTOUR (feet)

Groundwater Contour Map October 12, 2022	
National Grid 215 Sonondoa Street Oneida, New York	
Drawn D.H. Designed Approved	Date 01/20/23 Figure 4
 GES Groundwater & Environmental Services, Inc.	



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LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- (M) UTILITY MANHOLE
- ⊕ FIRE HYDRANT
- ☀ LIGHT POLE
- UTILITY POLE
- MONITORING WELL
- RECOVERY WELL

Well ID	Sample Date	BTEX Concentration (ug/L)	PAH Concentration (ug/L)	Cyanide Concentration (ug/L)
MW-1	10-12-22	3.0	26.2	81

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 12, 2022

National Grid
215 Sonondoa Street
Oneida, New York

Drawn
D.H.
Designed
Approved

Date
01/20/23
Figure
6

Scale In Feet
0 100

GES
Groundwater & Environmental Services, Inc.



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	
		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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Table 1
Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	4/21/2021		10/14/2021		4/20/2022		10/12/2022	
		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	7.20	415.27	7.23	415.24	6.58	415.89	7.26	415.21
MW-2	421.89	6.70	415.19	6.70	415.19	6.09	415.80	6.74	415.15
MW-3	420.77	4.81	415.96	4.86	415.91	3.24	417.53	4.96	415.81
MW-4	419.72	5.52	414.20	5.60	414.12	4.94	414.78	5.37	414.35
MW-5	421.32	5.88	415.44	5.87	415.45	4.97	416.35	5.89	415.43
MW-6	422.21	5.40	416.81	5.91	416.30	3.53	418.68	4.93	417.28
MW-7	439.27	25.04	414.23	24.17	415.10	23.78	415.49	25.70	413.57
MW-ES-8	421.93	7.05	414.88	6.98	414.95	3.91	418.02	7.33	414.60
MW-9	437.43	24.51	412.92	24.60	412.83	22.16	415.27	25.12	412.31
MW-ES-10S	422.02	7.13	414.89	7.22	414.80	6.39	415.63	7.33	414.69
MW-11	420.37	2.91	417.46	8.05	412.32	7.03	413.34	8.02	412.35
MW-12	415.97	3.45	412.52	3.60	412.37	2.30	413.67	4.10	411.87
MW-103	440.82	26.57	414.25	26.82	414.00	25.82	415.00	26.65	414.17
RW-1	420.18	8.61	411.57	6.71	413.47	5.82	414.36	2.60	417.58

ft NGVD29 = vertical reference datum in the National Geodetic Vertical 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	4/20/2022	10/12/2022
MW-1	NP	NP	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	NP	NP
MW-3	NP	NP	NP	NP	Trace	NP	NP	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	NP	NP
MW-5	NP	NP	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	NP	NP
MW-7	NP	NP	NP	NP	Trace	NP	NP	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	NP	NP
MW-9	NP	NP	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	NP	NP
MW-11	NP	NP	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	NP	NP
MW-103	NP	NP	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	NP	NP

Notes

All measurements are recorded in feet.

NP = No NAPL was detected in the well.

NM = Not measured.

Trace = Immeasurable 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	04/20/22	10/12/22
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	ND (<1.0)	3.0
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)	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)	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)	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	7.7	15.2
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	0.30	0.49
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	0.36	0.68
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)	ND (<0.099)	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)	ND (<0.099)	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)	ND (<0.099)	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)	ND (<0.099)	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)	ND (<0.099)	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)	ND (<0.099)	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)	ND (<0.099)	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	0.48	1.2
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	2.7	5.6
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)	ND (<0.099)	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)	ND (<0.099)	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	3.4	2.3
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	ND (<0.099)	ND (<0.10)
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	0.32	0.75
Cyanide																
Cyanide	µg/L	200	38	31	49	100	20	62	48	ND (<10)	76	99	42	69	30	81

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	04/20/22	10/12/22
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)	7.8	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)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1)	ND (<1)	ND (<1)	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	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)	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)	1.0	0.16
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)	0.14	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
Benzo(g,h,i)perylene	µg/L	NC	ND (<2.0)	ND (<2.0)	ND (<2.1)	ND (<2.0)	ND (<1.1)	ND (<0.5)	ND (<0.05)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	0.28	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	2.7	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
Cyanide																
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)	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-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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.10)	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 (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.22	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.23	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.38	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.19	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.18	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.24	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.32	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.18	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	ND (<0.097)	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.20	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.11	ND (<0.098)	ND (<0.098)	ND (<0.10)	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 (<0.10)	ND (<0.095)	0.32	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)
Cyanide																
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)	11	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-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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	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 (<0.10)	ND (<0.095)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.098)	ND (<0.10)
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)	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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	ND (<0.10)	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)	12	11

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	04/20/22	10/12/22
BTEX Compounds											
Benzene	µg/L	1	135	28.4	7.9	10.1	82.5	ND (<1.0)	9.1	1.3	11.8
Ethylbenzene	µg/L	5	175	25.0	4.1	23.1	20.3	3.7	2.9	ND (<1.0)	3.1
Toluene	µg/L	5	6.3	1.0	ND (<1.0)	ND (<1.0)	2.2	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylenes, Total	µg/L	5	217	34.4	6.6	31.3	32.5	4.5	3.7	ND (<3.0)	3.7
PAHs											
Acenaphthene	µg/L	20	205	51.3	49.9	78.0	119	23.7	47.6	21.1	73.2
Acenaphthylene	µg/L	NC	6.2 J	ND (<2.0)	1.7	14.9	11.4	ND (<0.11)	2.6	5.1	7.4
Anthracene	µg/L	50	9.6 J	1.7 J	9.0	48.0	48.6	3.6	3.1	3.9	25.0
Benzo(a)anthracene	µg/L	0.002	ND (<20)	ND (<2.0)	3.5	33.7	31.8	2.0	3.1	8.9	13.4
Benzo(a)pyrene	µg/L	0.002	ND (<20)	ND (<2.0)	2.7	26.0	24.5	1.8	2.4	6.7	11.1
Benzo(b)fluoranthene	µg/L	0.002	ND (<20)	ND (<2.0)	3.1	21.0	21.4	1.7	2.9	8.5	13.2
Benzo(g,h,i)perylene	µg/L	NC	ND (<20)	ND (<2.0)	0.87	9.0	8.2	0.85	0.93	3.1	4.6
Benzo(k)fluoranthene	µg/L	0.002	ND (<20)	ND (<2.0)	2.9	9.4	7.6	0.58	2.5	7.8	12.0
Chrysene	µg/L	0.002	ND (<20)	0.22 J	2.8	21.5	23.6	1.6	2.0	7.3	10.4
Dibenzo(a,h)anthracene	µg/L	NC	ND (<20)	ND (<2.0)	0.3	3.0	2.8	0.27	0.29	ND (<1.0)	1.5
Fluoranthene	µg/L	50	4.8 J	3.4	11.4	70.6	72	4.2	9.6	15.9	35.5
Fluorene	µg/L	50	58.3	13.3	16.4	50.8	59.5	11.2	4.0	2.2	38.9
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	2.7	4.2
2-Methylnaphthalene	µg/L	NC	511	56.0	ND (<0.099)	78.2	101	20.4	1.2	ND (<1.0)	27.7
Naphthalene	µg/L	10	1,890	118	ND (<0.099)	92.7	186	48.2	4.7	ND (<1.0)	27.9
Phenanthrene	µg/L	50	62.6	12.6	40.9	130	179	16.7	2	6.3	82.2
Pyrene	µg/L	50	4.2 J	2.9	12.1	76.4	75.9	4.6	10.2	18.6	37.8
Cyanide											
Cyanide	µg/L	200	28	7.4 B	14	ND (<10)	18	ND (<10)	ND (<10)	16	19

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-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	04/20/22	10/12/22
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)	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)	ND (<1.0)	1.4
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)	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	ND (<3.0)	ND (<3.0)	ND (<3.0)	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	24.0	29.9
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	1.1	1.5
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	0.86	0.53
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	0.14	0.11
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)	ND (<0.10)	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)	ND (<0.10)	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)	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)	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)	0.11	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)	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	0.86	0.58
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	7.3	9.1
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)	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	1.2	1.2
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	8.7	10.0
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	3.8	2.7
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	0.89	0.56
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)	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-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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	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)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	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)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	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 (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	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 (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	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)	ND (<0.05)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	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 (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<0.10)	ND (<0.10)
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)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
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 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	04/20/22	10/12/22
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)	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)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	0.29 J	0.94 J	ND (<1.0)	ND (<1.0)	ND (<1)	0.7 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	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)	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	18.1	8.0
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	0.54	0.31
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)	5.0	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)	0.02 J	0.13	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)	0.18	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)	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)	0.02 J	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	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 (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	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 (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	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)	0.03 J	ND (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)	0.13	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 (<0.12)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.10)
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	3.0	1.9
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)	10.9	0.35
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)	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 (<0.12)	0.38	ND (<0.095)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.10)
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)	0.24	ND (<0.10)
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)	15.4	ND (<0.10)
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	3.1	1.5
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)	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	04/20/22	10/12/22
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)	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)	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)	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)	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	8.9	11.9
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	0.21	0.26
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	0.58	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)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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)	0.05	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	ND (<0.099)	ND (<0.10)
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	4.9	6.5
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)	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 (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	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)	0.04 J	ND (<0.10)	ND (<0.095)	ND (<0.095)	ND (<0.099)	ND (<0.096)	0.20	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)	0.5	ND (<0.10)	0.39	0.28	0.16	ND (<0.096)	0.65	0.11
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)	ND (<0.099)	ND (<0.10)
Cyanide																
Cyanide	µg/L	200	11	ND (<10)	ND (<10)	ND (<10)	13	10	14	ND (<10)	ND (<10)	21	19	ND (<10)	21	16

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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
Benzo(a)pyrene	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)	ND (<0.11)	ND (<0.10)
Benzo(b)fluoranthene	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 (<0.11)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
Dibenzo(a,h)anthracene	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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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	0.46	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<0.11)	ND (<0.10)
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)	ND (<10)	ND (<10)

AWQS = Ambient Water Quality Standards
 BTEX = Benzene, Ethylbenzene, Toluene and Xylene
 J = Estimated Concentration Value
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 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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.098)	ND (<0.10)
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)	ND (<0.098)	ND (<0.10)
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)	ND (<0.098)	ND (<0.10)
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)	ND (<0.098)	0.11
Benzo(a)pyrene	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)	ND (<0.098)	0.18
Benzo(b)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)	ND (<0.098)	0.39
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)	ND (<0.098)	0.19
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)	ND (<0.098)	0.36
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)	ND (<0.098)	0.17
Dibenzo(a,h)anthracene	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)	ND (<0.098)	ND (<0.10)
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)	ND (<0.098)	0.24
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)	ND (<0.098)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	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)	ND (<0.098)	0.16
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)	ND (<0.098)	ND (<0.10)
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)	ND (<0.098)	0.26
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)	ND (<0.098)	ND (<0.10)
Pyrene	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)	ND (<0.098)	0.23
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)	11	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	04/20/22	10/12/22
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)	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)	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)	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)	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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
Benzo(a)pyrene	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 (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)
Benzo(b)fluoranthene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.03 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
Dibenzo(a,h)anthracene	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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.98)	ND (<0.5)	0.03 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
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)	ND (<0.099)	ND (<0.10)
Pyrene	µg/L	50	ND (<2.2)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)	0.03 J	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)
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)	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

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	4"	6.58		19.70	
MW-2	Yes	2"	6.09		17.66	Field Duplicate
MW-3	Yes	2"	3.24		14.13	
MW-4	Yes	2"	4.94		13.34	
MW-5	Yes	2"	4.97		16.10	
MW-6	Yes	2"	3.53		14.25	
MW-7	Yes	4"	23.78		37.20	
MW-ES-8	Yes	2"	3.91		14.10	
MW-9	Yes	4"	22.14		40.50	MS/MSD
MW-ES-10S	Yes	2"	6.39		14.50	
MW-11	Yes	2"	7.03		18.50	
MW-12	Yes	2"	2.30		14.30	
MW-103	Yes	2"	25.82		40.00	
RW-1	No	6"	5.85		28.52	

21.90

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

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

Date: 4/20/22
Weather: Sunny 47
Time In: 11:40 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>6.58</u>	
Depth to Bottom:	(feet)	19.70	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>13.12</u>	
Volume of Water in Well:	(gal)	<u>8.65</u>	
Three Well Volumes:	(gal)	<u>25.97</u>	

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

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

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

Did well go dry? Yes ☐ No ☒

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>11:55</u>	<u>6.59</u>	<u>15.41</u>	<u>6.95</u>	<u>-115</u>	<u>1.97</u>	<u>24.9</u>	<u>3.16</u>	<u>0.99</u>
<u>12:00</u>	<u>6.68</u>	<u>13.12</u>	<u>6.97</u>	<u>-142</u>	<u>1.68</u>	<u>14.2</u>	<u>2.91</u>	<u>1.08</u>
<u>12:05</u>	<u>6.85</u>	<u>12.54</u>	<u>7.02</u>	<u>-136</u>	<u>1.75</u>	<u>14.2</u>	<u>2.49</u>	<u>1.12</u>
<u>12:10</u>	<u>6.95</u>	<u>12.39</u>	<u>7.02</u>	<u>-135</u>	<u>1.76</u>	<u>15.5</u>	<u>2.35</u>	<u>1.12</u>
<u>12:15</u>	<u>7.11</u>	<u>12.40</u>	<u>7.02</u>	<u>-135</u>	<u>1.77</u>	<u>16.1</u>	<u>2.05</u>	<u>1.13</u>
<u>12:20</u>	<u>7.22</u>	<u>12.47</u>	<u>7.02</u>	<u>-134</u>	<u>1.77</u>	<u>17.8</u>	<u>1.80</u>	<u>1.12</u>
<u>12:25</u>	<u>7.32</u>	<u>12.46</u>	<u>7.02</u>	<u>-134</u>	<u>1.76</u>	<u>18.3</u>	<u>1.66</u>	<u>1.13</u>

Sampling Information:

EPA SW-846 Method 8270
EPA SW-846 Method 8260
EPA SW-846 Method 9012

SVOC PAH's
VOC's BTEX
Total Cyanide

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

Sample ID: MW-1-0422 Duplicate? Yes ☐ No ☒
Sample Time: 12:25 MS/MSD? Yes ☐ No ☒

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather:
Time In: 0927 Time Out: 1010

Well Information		
	TOC	Other
Depth to Water: (feet)	<u>6.09</u>	
Depth to Bottom: (feet)	<u>17.66</u>	
Depth to Product: (feet)	<u>—</u>	
Length of Water Column: (feet)	<u>11.57</u>	
Volume of Water in Well: (gal)	<u>1.85</u>	
Three Well Volumes: (gal)	<u>5.55</u>	

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)	<u>200</u>	
Duration of Pumping: (min)	<u>30</u>	
Total Volume Removed: (gal)	<u>2</u>	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)
0930	6.22	8.26	7.36	-33	.403	20.2	3.21	.262
0935	6.24	8.53	7.51	-28	.411	2.4	3.42	.267
0940	6.25	8.63	7.61	-17	.422	0.0	3.05	2.71
0945	6.26	8.69	7.65	-2	.455	0.0	2.33	.296
0950	6.26	8.72	7.65	8	.490	0.0	1.88	.319
0955	6.26	8.74	7.63	16	.532	0.0	1.53	.341
1000	6.26	8.79	7.65	20	.564	0.0	1.28	.361

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	4 - 100 ml ambers	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	6 - 40 ml vials	Yes ☒ No ☐
EPA SW-846 Method 9012	Total Cyanide	2 - 250 ml plastic	Yes ☒ No ☐
FD-0422			
Sample ID: <u>MW-2-0422</u>	Duplicate? Yes ☒ No ☒	Shipped: Pace Courier Pickup ☒	
Sample Time: <u>1000</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐	
Comments/Notes:		Laboratory: Pace Analytical	
		Greensburg, PA	

Sampling Personnel: Pls Ign
Job Number: 0603275-132410-221
Well Id: **MW-3**

Date: 4/20/22
Weather: Sunny 38°
Time In: 1017 Time Out: 1055

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>3.24</u>	
Depth to Bottom:	(feet)	<u>14.13</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>10.89</u>	
Volume of Water in Well:	(gal)	<u>1.74</u>	
Three Well Volumes:	(gal)	<u>5.22</u>	

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)
<u>1020</u>	<u>3.58</u>	<u>8.19</u>	<u>7.69</u>	<u>38</u>	<u>1430</u>	<u>0.0</u>	<u>4.92</u>	<u>1276</u>
<u>1025</u>	<u>3.21</u>	<u>8.59</u>	<u>7.78</u>	<u>48</u>	<u>1372</u>	<u>0.0</u>	<u>5.82</u>	<u>1242</u>
<u>1030</u>	<u>3.72</u>	<u>8.74</u>	<u>7.83</u>	<u>53</u>	<u>1372</u>	<u>0.0</u>	<u>5.58</u>	<u>1241</u>
<u>1035</u>	<u>3.29</u>	<u>8.75</u>	<u>7.75</u>	<u>60</u>	<u>1380</u>	<u>0.0</u>	<u>5.37</u>	<u>1247</u>
<u>1040</u>	<u>3.84</u>	<u>8.81</u>	<u>7.80</u>	<u>60</u>	<u>1387</u>	<u>0.0</u>	<u>5.33</u>	<u>1252</u>
<u>1045</u>	<u>3.85</u>	<u>8.83</u>	<u>7.83</u>	<u>59</u>	<u>1396</u>	<u>0.0</u>	<u>5.21</u>	<u>1258</u>
<u>1050</u>	<u>3.79</u>	<u>8.90</u>	<u>7.81</u>	<u>60</u>	<u>1404</u>	<u>0.0</u>	<u>5.02</u>	<u>1262</u>

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-3-0422** Duplicate? Yes ☐ No ☒
Sample Time: 1050 MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: Sunny 40°
Time In: 1057 Time Out: 1135

Well Information		TOC	Other
Depth to Water:	(feet)	<u>4.94</u>	
Depth to Bottom:	(feet)	<u>13.34</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>8.40</u>	
Volume of Water in Well:	(gal)	<u>1.34</u>	
Three Well Volumes:	(gal)	<u>4.03</u>	

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 ☒
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐ Peristaltic ☒
Sampling Method:	Bailer ☐ Peristaltic ☒
Average Pumping Rate:	(ml/min) <u>200</u>
Duration of Pumping:	(min) <u>30</u>
Total Volume Removed:	(gal) <u>2</u>
Horiba U-52 Water Quality Meter Used?	Yes ☒ No ☐

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)
<u>1100</u>	<u>5.13</u>	<u>8.95</u>	<u>7.63</u>	<u>68</u>	<u>.402</u>	<u>0.0</u>	<u>5.25</u>	<u>.263</u>
<u>1105</u>	<u>5.21</u>	<u>9.14</u>	<u>7.56</u>	<u>-29</u>	<u>.629</u>	<u>0.0</u>	<u>0.00</u>	<u>.403</u>
<u>1110</u>	<u>5.24</u>	<u>9.34</u>	<u>7.53</u>	<u>-56</u>	<u>.641</u>	<u>0.0</u>	<u>0.00</u>	<u>.411</u>
<u>1115</u>	<u>5.29</u>	<u>9.48</u>	<u>7.52</u>	<u>-66</u>	<u>.644</u>	<u>0.0</u>	<u>0.00</u>	<u>.412</u>
<u>1120</u>	<u>5.30</u>	<u>9.64</u>	<u>7.50</u>	<u>-72</u>	<u>.644</u>	<u>0.0</u>	<u>0.00</u>	<u>.412</u>
<u>1125</u>	<u>5.31</u>	<u>9.78</u>	<u>7.53</u>	<u>-77</u>	<u>.643</u>	<u>0.0</u>	<u>0.00</u>	<u>.411</u>
<u>1130</u>	<u>5.32</u>	<u>10.25</u>	<u>7.45</u>	<u>-77</u>	<u>.640</u>	<u>0.0</u>	<u>0.00</u>	<u>.410</u>

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
Sample ID: <u>MW-4-0422</u>	Duplicate? Yes ☐ No ☒
Sample Time: <u>1130</u>	MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup ☒ Drop-off Albany Service Center ☐	
Laboratory: Pace Analytical Greensburg, PA	
Comments/Notes:	

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

Date: 4/20/22
Weather: 40° Sunny
Time In: 1143 Time Out: 1226

Well Information		
Depth to Water:	(feet)	TOC <u>4.97</u> Other
Depth to Bottom:	(feet)	16.10
Depth to Product:	(feet)	—
Length of Water Column:	(feet)	<u>11.13</u>
Volume of Water in Well:	(gal)	<u>1.78</u>
Three Well Volumes:	(gal)	<u>5.34</u>

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)	<u>20</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)	<u>2</u>	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)
1145	5.13	11.79	7.46	-74	.642	0.0	0.48	.411
1150	5.35	11.27	7.36	-55	.723	0.0	0.00	.463
1155	5.35	10.78	7.24	-35	.731	1.7	0.00	.468
1200	5.32	10.84	7.28	-27	.724	0.0	0.00	.463
1205	5.37	11.01	7.29	-22	.722	0.0	0.00	.462
1210	5.39	11.00	7.29	-18	.723	0.0	0.00	.463
1215	5.40	11.00	7.28	-15	.722	0.0	0.00	.462

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-5-0422	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup ☒	
Sample Time: <u>1215</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐	
Comments/Notes:		Laboratory: Pace Analytical Greensburg, PA	

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

Date: 4/20/12
Weather: 38° cloudy
Time In: 0843 Time Out: 0926

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>3.53</u>	
Depth to Bottom:	(feet)	<u>14.25</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>10.72</u>	
Volume of Water in Well:	(gal)	<u>1.71</u>	
Three Well Volumes:	(gal)	<u>5.14</u>	

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 ☒
Tubing/Bailer Material: Teflon ☐ Stainless St. ☐
Sampling Method: Bailer ☐ Peristaltic ☒
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)
<u>0845</u>	<u>4.31</u>	<u>8.03</u>	<u>7.69</u>	<u>-11</u>	<u>.465</u>	<u>202</u>	<u>1.92</u>	<u>.298</u>
<u>0850</u>	<u>4.40</u>	<u>8.49</u>	<u>7.34</u>	<u>-1</u>	<u>.436</u>	<u>13.0</u>	<u>0.07</u>	<u>.284</u>
<u>0855</u>	<u>4.33</u>	<u>8.40</u>	<u>7.37</u>	<u>-4</u>	<u>.429</u>	<u>8.4</u>	<u>0.01</u>	<u>.229</u>
<u>0900</u>	<u>4.36</u>	<u>8.53</u>	<u>7.37</u>	<u>-10</u>	<u>.427</u>	<u>5.1</u>	<u>0.00</u>	<u>.278</u>
<u>0905</u>	<u>4.40</u>	<u>8.46</u>	<u>7.35</u>	<u>-20</u>	<u>.422</u>	<u>0.0</u>	<u>0.03</u>	<u>.274</u>
<u>0910</u>	<u>4.16</u>	<u>8.42</u>	<u>7.35</u>	<u>-25</u>	<u>.412</u>	<u>0.0</u>	<u>0.12</u>	<u>.271</u>
<u>0915</u>	<u>4.15</u>	<u>8.32</u>	<u>7.37</u>	<u>-29</u>	<u>.416</u>	<u>0.0</u>	<u>0.30</u>	<u>.270</u>

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-6-0422 Duplicate? Yes ☐ No ☒
Sample Time: 0915 MS/MSD? Yes ☐ No ☒

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: 42°F, partly cloudy
Time In: 1050 Time Out: 1140

Well Information		
	TOC	Other
Depth to Water: (feet)	<u>3.91</u>	
Depth to Bottom: (feet)	<u>14.10</u>	
Depth to Product: (feet)	<u>NP</u>	
Length of Water Column: (feet)	<u>10.19</u>	
Volume of Water in Well: (gal)	<u>1.63</u>	
Three Well Volumes: (gal)	<u>4.9</u>	

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 ☒
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☒
Sampling Method:	Bailer ☐	Peristaltic ☒
Average Pumping Rate: <u>200</u> (ml/min)	Grundfos Pump ☐	
Duration of Pumping: <u>30</u> (min)	Polyethylene ☒	
Total Volume Removed: <u>3</u> (gal)	Grundfos Pump ☐	
Horiba U-52 Water Quality Meter Used?	Yes ☒ No ☐	Did well go dry? 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)
1055	<u>4.58</u>	<u>10.29</u>	<u>7.18</u>	<u>-41</u>	<u>0.690</u>	<u>291</u>	<u>2.03</u>	<u>0.441</u>
1100	<u>4.58</u>	<u>10.97</u>	<u>7.09</u>	<u>92</u>	<u>0.686</u>	<u>656</u>	<u>4.77</u>	<u>0.439</u>
1105	<u>4.71</u>	<u>11.15</u>	<u>7.04</u>	<u>132</u>	<u>0.674</u>	<u>800</u>	<u>4.50</u>	<u>0.432</u>
1110	<u>4.80</u>	<u>11.27</u>	<u>7.02</u>	<u>144</u>	<u>0.669</u>	<u>564</u>	<u>4.43</u>	<u>0.429</u>
1115	<u>4.89</u>	<u>11.36</u>	<u>7.02</u>	<u>148</u>	<u>0.664</u>	<u>186</u>	<u>4.51</u>	<u>0.425</u>
1120	<u>4.97</u>	<u>11.33</u>	<u>7.01</u>	<u>150</u>	<u>0.663</u>	<u>12.2</u>	<u>4.25</u>	<u>0.424</u>
1125	<u>5.04</u>	<u>11.64</u>	<u>7.01</u>	<u>153</u>	<u>0.686</u>	<u>0.0</u>	<u>3.39</u>	<u>0.439</u>

Sampling Information:		
EPA SW-846 Method 8270	SVOC PAH's	2 - 100 ml ambers
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 ml vials
EPA SW-846 Method 9012	Total Cyanide	1 - 250 ml plastic
Sample ID: MW-ES-8-0422	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup ☒
Sample Time: <u>1130</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐
Comments/Notes:		Laboratory: Pace Analytical Greensburg, PA

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

Date: 4/20/22
Weather: Sunny
Time In: 10:20 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>22.16</u>	
Depth to Bottom:	(feet)	40.50	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>18.34</u>	
Volume of Water in Well:	(gal)	<u>12.16</u>	
Three Well Volumes:	(gal)	<u>36.31</u>	

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)
10:25	<u>22.35</u>	<u>11.72</u>	<u>6.88</u>	<u>-46</u>	<u>0.992</u>	<u>9.6</u>	<u>0.81</u>	<u>0.634</u>
10:30	<u>22.45</u>	<u>11.95</u>	<u>7.05</u>	<u>-46</u>	<u>0.984</u>	<u>9.1</u>	<u>0.20</u>	<u>0.630</u>
10:35	<u>22.48</u>	<u>12.11</u>	<u>7.08</u>	<u>-34</u>	<u>0.982</u>	<u>8.4</u>	<u>0.11</u>	<u>0.629</u>
10:40	<u>22.48</u>	<u>12.29</u>	<u>7.10</u>	<u>-11</u>	<u>0.978</u>	<u>9.0</u>	<u>0.16</u>	<u>0.626</u>
10:45	<u>22.48</u>	<u>12.44</u>	<u>7.10</u>	<u>-21</u>	<u>0.977</u>	<u>8.4</u>	<u>0.10</u>	<u>0.625</u>
10:50	<u>22.48</u>	<u>12.51</u>	<u>7.07</u>	<u>-108</u>	<u>1.01</u>	<u>8.5</u>	<u>0.20</u>	<u>0.647</u>
10:55	<u>22.48</u>	<u>12.63</u>	<u>6.95</u>	<u>-122</u>	<u>1.06</u>	<u>8.5</u>	<u>0.00</u>	<u>0.679</u>

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

MW-9-MS-0422 MW-9-MSD-0422

Sample ID: MW-9-0422 Duplicate? Yes ☐ No ☒
Sample Time: 10:55 MS/MSD? Yes ☐ No ☒

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

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: 44°F, partly cloudy
Time In: 1200 Time Out: 1250

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>6.39</u>	
Depth to Bottom:	(feet)	<u>14.50</u>	
Depth to Product:	(feet)	<u>NP</u>	
Length of Water Column:	(feet)	<u>8.11</u>	
Volume of Water in Well:	(gal)	<u>1.29</u>	
Three Well Volumes:	(gal)	<u>3.9</u>	

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: 200 (ml/min) 20
Duration of Pumping: 30 (min) 20
Total Volume Removed: 2 (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)
<u>1210</u>	<u>6.48</u>	<u>11.65</u>	<u>6.40</u>	<u>-63</u>	<u>4.35</u>	<u>184</u>	<u>1.48</u>	<u>2.78</u>
<u>1215</u>	<u>6.45</u>	<u>11.37</u>	<u>6.69</u>	<u>-89</u>	<u>4.74</u>	<u>77.8</u>	<u>0.36</u>	<u>3.01</u>
<u>1220</u>	<u>6.45</u>	<u>11.10</u>	<u>6.79</u>	<u>-112</u>	<u>5.14</u>	<u>0.0</u>	<u>0.00</u>	<u>3.23</u>
<u>1225</u>	<u>6.45</u>	<u>11.04</u>	<u>6.80</u>	<u>-114</u>	<u>5.19</u>	<u>0.0</u>	<u>0.00</u>	<u>3.27</u>
<u>1230</u>	<u>6.45</u>	<u>11.02</u>	<u>6.80</u>	<u>-116</u>	<u>5.21</u>	<u>0.0</u>	<u>0.00</u>	<u>3.28</u>
<u>1235</u>	<u>6.45</u>	<u>11.06</u>	<u>6.80</u>	<u>-117</u>	<u>5.22</u>	<u>0.0</u>	<u>0.00</u>	<u>3.29</u>
<u>1240</u>	<u>6.45</u>	<u>11.09</u>	<u>6.80</u>	<u>-118</u>	<u>5.22</u>	<u>0.0</u>	<u>0.00</u>	<u>3.29</u>

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-ES-10S-0422** Duplicate? Yes ☐ No ☒
Sample Time: 1245 MS/MSD? Yes ☐ No ☒

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: 40°F, cloudy
Time In: 0955 Time Out: 1045

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>7.03</u>	
Depth to Bottom:	(feet)	<u>18.50</u>	
Depth to Product:	(feet)	<u>NP</u>	
Length of Water Column:	(feet)	<u>11.47</u>	
Volume of Water in Well:	(gal)	<u>1.83</u>	
Three Well Volumes:	(gal)	<u>5.5</u>	

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: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2 (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=133.7cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1000	7.30	7.39	7.07	-77	2.21	112	1.22	1.48
1005	7.22	8.42	7.25	-115	0.748	115	1.31	0.487
1010	7.23	8.73	7.23	-118	0.667	54.6	0.00	0.427
1015	7.23	8.98	7.23	-122	0.665	51.3	0.00	0.426
1020	7.23	9.13	7.23	-124	0.670	60.8	0.00	0.428
1025	7.23	9.37	7.22	-125	0.679	66.3	0.00	0.434
1030	7.23	9.64	7.22	-126	0.685	66.8	0.00	0.438

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-11-0422** Duplicate? Yes ☐ No ☒
Sample Time: 1035 MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: 38°F, cloudy
Time In: 0850 Time Out: 0950

Well Information

		TOC	Other
Depth to Water:	(feet)	2.30	
Depth to Bottom:	(feet)	14.30	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	12.00	
Volume of Water in Well:	(gal)	1.92	
Three Well Volumes:	(gal)	5.7	

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: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2 (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=133.7cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0900	2.32	6.73	6.98	-70	3.18	65.6	1.941	2.03
0905	2.32	6.77	6.95	-65	3.17	62.5	1.06	2.03
0910	2.32	6.22	6.91	-56	3.17	58.2	0.07	2.03
0915	2.32	6.39	6.90	-52	3.19	55.4	0.00	2.04
0920	2.32	6.70	6.89	-49	3.20	54.5	0.00	2.05
0925	2.32	6.67	6.89	-46	3.20	52.9	0.00	2.05
0930	2.32	6.69	6.88	-44	3.20	51.7	0.00	2.05

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-12-0422** Duplicate? Yes ☐ No ☒
Sample Time: 0935 MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

Date: 4/20/22
Weather: Cloudy 37
Time In: 09:30 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>25.82</u>	
Depth to Bottom:	(feet)	<u>40.00</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>14.18</u>	
Volume of Water in Well:	(gal)	<u>2.26</u>	
Three Well Volumes:	(gal)	<u>6.80</u>	

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) 260
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)
08:55	25.98	8.43	7.11	9	0.000	52.8	10.27	0.502
09:00	26.02	10.33	7.27	-121	1.30	59.1	0.57	0.832
09:05	26.02	10.84	6.97	-125	1.31	21.4	0.20	0.835
09:10	26.02	10.95	6.90	-126	1.31	13.1	0.11	0.837
09:15	26.02	11.12	6.86	-126	1.31	5.0	0.11	0.839
09:20	26.02	11.23	6.85	-126	1.31	5.1	0.00	0.836
09:25	26.02	11.22	6.86	-126	1.30	5.5	0.00	0.834

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-103-0422** Duplicate? Yes ☐ No ☒
Sample Time: 09:25 MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup ☒
Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

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

• **Don't forget to...**

Page: 1 of 1

E-file: ALLQ070rev.3, 31Mar05, 13Jun2005

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	4"	7.26		19.70	
MW-2	Yes	2"	16.74		17.66	Field Duplicate
MW-3	Yes	2"	4.96		14.13	
MW-4	Yes	2"	5.37		13.34	
MW-5	Yes	2"	5.89		16.10	
MW-6	Yes	2"	4.93		14.25	
MW-7	Yes	4"	25.70		37.20	
MW-ES-8	Yes	2"	7.33		14.10	
MW-9	Yes	4"	25.12		40.50	MS/MSD
MW-ES-10S	Yes	2"	7.33		14.50	
MW-11	Yes	2"	8.02		18.50	
MW-12	Yes	2"	4.10		14.30	
MW-103	Yes	2"	26.65		40.00	
RW-1	No	6"	2.40		28.52	HIT BY MANGERS

DTB 10.5'

DTW -depth to water

DTP -depth to product

DTB -depth to bottom

Sampling Personnel: Peter Lye
Job Number: 0603324-132410-221
Well Id. **MW-1**

Date: 10/12/20
Weather: 70° Sunny
Time In: 1312 Time Out: 1350

Well Information		TOC	Other
Depth to Water:	(feet)	<u>7.26</u>	
Depth to Bottom:	(feet)	<u>19.70</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>12.44</u>	
Volume of Water in Well:	(gal)	<u>8.21</u>	
Three Well Volumes:	(gal)	<u>24.63</u>	

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)	<u>200</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)	<u>2</u>	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)
<u>1315</u>	<u>7.37</u>	<u>19.89</u>	<u>6.99</u>	<u>-112</u>	<u>1.84</u>	<u>64.8</u>	<u>0.00</u>	<u>1.20</u>
<u>1320</u>	<u>7.40</u>	<u>19.32</u>	<u>7.06</u>	<u>-150</u>	<u>2.26</u>	<u>72.0</u>	<u>0.00</u>	<u>1.47</u>
<u>1325</u>	<u>7.58</u>	<u>17.67</u>	<u>7.14</u>	<u>-173</u>	<u>2.47</u>	<u>573</u>	<u>0.00</u>	<u>1.58</u>
<u>1330</u>	<u>7.68</u>	<u>18.77</u>	<u>7.13</u>	<u>-174</u>	<u>2.49</u>	<u>501</u>	<u>0.00</u>	<u>1.59</u>
<u>1335</u>	<u>7.77</u>	<u>18.26</u>	<u>7.12</u>	<u>-171</u>	<u>2.46</u>	<u>130</u>	<u>0.00</u>	<u>1.57</u>
<u>1340</u>	<u>7.86</u>	<u>18.51</u>	<u>7.11</u>	<u>-166</u>	<u>2.45</u>	<u>53.0</u>	<u>0.00</u>	<u>1.57</u>
<u>1345</u>	<u>7.92</u>	<u>18.60</u>	<u>7.11</u>	<u>-164</u>	<u>2.45</u>	<u>34.8</u>	<u>0.00</u>	<u>1.57</u>

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: <u>MW-1-1022</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup ☒	
Sample Time: <u>1345</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐	
Comments/Notes:		Laboratory: Pace Analytical	
		Greensburg, PA	

Sampling Personnel: Peter Lyon
Job Number: 0603324-132410-221
Well Id. **MW-2**

Date: 10/12/22
Weather: Sunny 55°
Time In: 0837 Time Out: 0915

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>6.74</u>	
Depth to Bottom:	(feet)	<u>17.66</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>10.94</u>	
Volume of Water in Well:	(gal)	<u>1.71</u>	
Three Well Volumes:	(gal)	<u>5.24</u>	

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) 250
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=133.7cu. feet				

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0840	<u>6.84</u>	<u>16.24</u>	<u>7.04</u>	<u>65</u>	<u>0.550</u>	<u>0.0</u>	<u>7.00</u>	<u>0.350</u>
0845	<u>6.85</u>	<u>16.39</u>	<u>7.33</u>	<u>79</u>	<u>0.517</u>	<u>446</u>	<u>0.51</u>	<u>0.331</u>
0850	<u>6.85</u>	<u>16.44</u>	<u>7.38</u>	<u>81</u>	<u>0.516</u>	<u>68.0</u>	<u>0.19</u>	<u>0.331</u>
0855	<u>6.86</u>	<u>16.52</u>	<u>7.41</u>	<u>82</u>	<u>0.515</u>	<u>47.9</u>	<u>0.00</u>	<u>0.329</u>
0900	<u>6.86</u>	<u>16.61</u>	<u>7.43</u>	<u>85</u>	<u>0.514</u>	<u>38.7</u>	<u>0.00</u>	<u>0.329</u>
0905	<u>6.87</u>	<u>16.74</u>	<u>7.43</u>	<u>84</u>	<u>0.512</u>	<u>21.2</u>	<u>0.00</u>	<u>0.328</u>
0910	<u>6.87</u>	<u>16.79</u>	<u>7.43</u>	<u>82</u>	<u>0.512</u>	<u>13.7</u>	<u>0.00</u>	<u>0.327</u>

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

FD-1022

Sample ID: **MW-2-1022** Duplicate? Yes ☒ No ☐
Sample Time: 0910 MS/MSD? Yes ☒ No ☐

4 - 100 ml ambers Yes ☒ No ☐
6 - 40 ml vials Yes ☒ No ☐
2 - 250 ml plastic Yes ☒ No ☐

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

Sampling Personnel: Peter Lyan
Job Number: 0603324-132410-221
Well Id. MW-3

Date: 10/12/10
Weather: Sunny 60°
Time In: 0923 Time Out: 1000

Well Information		TOC	Other
Depth to Water:	(feet)	<u>4.96</u>	
Depth to Bottom:	(feet)	<u>14.13</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>9.17</u>	
Volume of Water in Well:	(gal)	<u>1.46</u>	
Three Well Volumes:	(gal)	<u>4.40</u>	

Well Type:	Flushmount	☒	Stick-Up	☐
Well Locked:	Yes	☒	No	☐
Measuring Point Marked:	Yes	☒	No	☐
Well Material:	PVC	☒	SS	☐
Well Diameter:	1"	☐	2"	☒
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) <u>200</u>
Duration of Pumping:	(min) <u>30</u>
Total Volume Removed:	(gal) <u>2</u>
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	5.04	17.95	7.48	99	0.525	92.9	1.19	0.337
0930	5.13	18.39	7.45	104	0.535	17.2	1.35	0.342
0935	5.21	18.53	7.46	114	0.524	10.7	1.26	0.335
0940	5.26	18.65	7.46	120	0.526	9.6	2.33	0.337
0945	5.32	18.75	7.45	122	0.530	7.5	2.10	0.339
0950	5.36	18.83	7.44	120	0.533	6.7	1.78	0.341
0955	5.39	18.84	7.43	117	0.535	6.9	1.60	0.343

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: <u>MW-3-1022</u>	Duplicate? Yes ☐ No ☒
Sample Time: <u>0955</u>	MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier Pickup	☒
Drop-off Albany Service Center	☐
Laboratory: Pace Analytical	
Greensburg, PA	

Sampling Personnel: Bkr Lgo
Job Number: 0603324-132410-221
Well Id. MW-4

Date: 10/12/22
Weather: 65° Sunny
Time In: 1006 Time Out: 1045

Well Information		TOC	Other
Depth to Water:	(feet)	<u>5.37</u>	
Depth to Bottom:	(feet)	<u>13.34</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>2.97</u>	
Volume of Water in Well:	(gal)	<u>1.27</u>	
Three Well Volumes:	(gal)	<u>3.82</u>	

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				Conversion Factors			
Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	gal/ft. of water	1" ID	2" ID	4" ID
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒				
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐				
Average Pumping Rate:	(ml/min)	<u>200</u>		1 gallon=3.785L=3785mL=133.7cu. feet			
Duration of Pumping:	(min)	<u>30</u>					
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry? Yes ☐ No ☒				
Horiba U-52 Water Quality Meter Used?	Yes ☒ No ☐						

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1010	5.62	17.92	7.29	-58	0.708	22.9	0.00	0.454
1015	5.67	17.77	7.25	-82	0.708	6.2	0.00	0.453
1020	5.67	17.76	7.25	-90	0.708	6.4	0.00	0.453
1025	5.67	17.74	7.25	-96	0.707	5.5	0.00	0.452
1030	5.69	17.71	7.24	-100	0.706	4.8	0.00	0.452
1035	5.70	17.73	7.25	-103	0.705	4.5	0.00	0.451
1040	5.68	17.86	7.25	-106	0.703	6.1	0.00	0.450

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: <u>MW-4-1022</u>	Duplicate? Yes ☐ No ☒	Shipped: ☒ Pace Courier Pickup	☐ Drop-off Albany Service Center
Sample Time: <u>1040</u>	MS/MSD? Yes ☐ No ☒	Laboratory: <u>Pace Analytical</u>	<u>Greensburg, PA</u>
Comments/Notes:		Page 11 of 20	

Sampling Personnel: Peter Ino

Job Number: 0603324-132410-221

Well Id. **MW-5**

Date: 10/11/22

Weather: 65° Cloudy

Time In: 1050

Time Out: 1130

Well Information

	TOC	Other
Depth to Water: (feet)	<u>5.89</u>	
Depth to Bottom: (feet)	<u>16.10</u>	
Depth to Product: (feet)	<u>-</u>	
Length of Water Column: (feet)	<u>10.21</u>	
Volume of Water in Well: (gal)	<u>1.63</u>	
Three Well Volumes: (gal)	<u>4.90</u>	

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=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1055</u>	<u>6.06</u>	<u>18.54</u>	<u>7.14</u>	<u>-28</u>	<u>0.780</u>	<u>35.7</u>	<u>0.00</u>	<u>0.500</u>
<u>1100</u>	<u>6.15</u>	<u>18.72</u>	<u>7.03</u>	<u>-23</u>	<u>0.782</u>	<u>4.0</u>	<u>0.00</u>	<u>0.500</u>
<u>1105</u>	<u>6.20</u>	<u>18.73</u>	<u>7.02</u>	<u>-18</u>	<u>0.768</u>	<u>2.6</u>	<u>0.00</u>	<u>0.492</u>
<u>1110</u>	<u>6.23</u>	<u>18.84</u>	<u>7.02</u>	<u>-16</u>	<u>0.770</u>	<u>1.8</u>	<u>0.00</u>	<u>0.493</u>
<u>1115</u>	<u>6.27</u>	<u>18.97</u>	<u>7.02</u>	<u>-13</u>	<u>0.770</u>	<u>1.4</u>	<u>0.00</u>	<u>0.493</u>
<u>1120</u>	<u>6.27</u>	<u>19.08</u>	<u>7.02</u>	<u>-11</u>	<u>0.773</u>	<u>1.1</u>	<u>0.00</u>	<u>0.495</u>
<u>1125</u>	<u>6.28</u>	<u>19.17</u>	<u>7.02</u>	<u>-9</u>	<u>0.776</u>	<u>0.8</u>	<u>0.00</u>	<u>0.497</u>

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-5-1022** Duplicate? Yes ☐ No ☒
 Sample Time: 1125 MS/MSD? Yes ☐ No ☒

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

Comments/Notes:

Laboratory: Pace Analytical
 Greensburg, PA

Sampling Personnel: Peter Lyon
Job Number: 0603324-132410-221
Well Id. MW-6

Date: 10/12/11
Weather: 65° Sunny
Time In: 1136 Time Out: 1215

Well Information		TOC	Other
Depth to Water:	(feet)	<u>4.93</u>	
Depth to Bottom:	(feet)	<u>14.25</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>9.32</u>	
Volume of Water in Well:	(gal)	<u>1.49</u>	
Three Well Volumes:	(gal)	<u>4.47</u>	

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		Conversion Factors				
Purging Method:	Bailer ☐ Peristaltic ☒ Grundfos Pump ☐	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☒ Polyethylene ☒	of				
Sampling Method:	Bailer ☐ Peristaltic ☒ Grundfos Pump ☐	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>2</u>	Did well go dry? Yes ☐ No ☒				
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐						

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1140	5.72	17.30	6.73	-173	0.757	16.4	0.00	0.485
1145	5.92	17.69	6.72	-216	0.759	80.9	0.00	0.486
1150	6.07	17.53	6.71	-226	0.748	1.04	0.00	0.498
1155	6.16	18.32	6.75	-223	0.715	31.4	0.00	0.458
1200	6.25	18.48	6.77	-213	0.708	14.9	0.00	0.452
1205	6.37	18.55	6.78	-204	0.711	9.2	0.00	0.456
1210	6.37	18.64	6.77	-199	0.716	12.2	0.00	0.458

Sampling Information:		2 - 100 ml ambers		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	3 - 40 ml vials	Yes ☒ No ☐	
EPA SW-846 Method 8260	VOC's BTEX	1 - 250 ml plastic	Yes ☒ No ☐	
EPA SW-846 Method 9012	Total Cyanide			
Sample ID: <u>MW-6-1022</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup ☒		
Sample Time: <u>1210</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐		
Comments/Notes:		Laboratory: Pace Analytical		
		Greensburg, PA		

Sampling Personnel: K
Job Number: 0603324-132410-221
Well Id. **MW-7**

Date: 10/12/22
Weather: Sun 50
Time In: 09:25 Time Out: 10:05

Well Information		TOC	Other
Depth to Water:	(feet)	<u>25.70</u>	
Depth to Bottom:	(feet)	37.20	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>11.5</u>	
Volume of Water in Well:	(gal)	<u>1.84</u>	
Three Well Volumes:	(gal)	<u>5.52</u>	

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		Conversion Factors				
Purging Method:	Bailer ☐ Peristaltic ☒ Grundfos Pump ☐	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐ Polyethylene ☒	of				
Sampling Method:	Bailer ☐ Peristaltic ☒ Grundfos Pump ☐	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min) <u>32</u>					
Total Volume Removed:	(gal) <u>2</u>					
Did well go dry? Yes ☐ No ☒						
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐						

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:30	25.75	14.48	6.06	-54	1.13	3.5	3.00	0.737
09:35	25.80	12.82	6.29	-105	1.46	4.0	8.04	1.06
09:40	25.80	12.79	6.28	-95	1.64	4.0	7.62	1.07
09:45	25.80	12.77	6.12	-57	1.54	3.3	6.30	0.985
09:50	25.80	12.73	5.98	-44	1.52	3.2	5.51	0.981
09:55	25.80	12.72	5.98	-42	1.54	3.2	4.86	0.984
10:00	25.80	12.75	5.87	-42	1.54	2.8	4.33	0.981

Sampling Information:		2 - 100 ml ambers		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	3 - 40 ml vials	Yes ☒ No ☐	
EPA SW-846 Method 8260	VOC's BTEX	1 - 250 ml plastic	Yes ☒ No ☐	
EPA SW-846 Method 9012	Total Cyanide			
Sample ID: MW-7-1022	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup	☒	
Sample Time: <u>10:40</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center	☐	
Comments/Notes:		Laboratory: Pace Analytical		
		Greensburg, PA		

Sampling Personnel: Peter Lyon
Job Number: 0603324-132410-221
Well Id. MW-ES-8

Date: 10/12/20
Weather: 70° Sunny
Time In: 12.25 Time Out: 1305

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>7.33</u>	
Depth to Bottom:	(feet)	<u>14.10</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>6.77</u>	
Volume of Water in Well:	(gal)	<u>1.08</u>	
Three Well Volumes:	(gal)	<u>3.24</u>	

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)
<u>1230</u>	<u>8.36</u>	<u>19.27</u>	<u>7.01</u>	<u>-102</u>	<u>0.962</u>	<u>77.4</u>	<u>2.24</u>	<u>0.618</u>
<u>1235</u>	<u>8.14</u>	<u>19.07</u>	<u>7.60</u>	<u>-99</u>	<u>1.08</u>	<u>16.4</u>	<u>0.00</u>	<u>0.694</u>
<u>1240</u>	<u>8.11</u>	<u>18.84</u>	<u>7.00</u>	<u>-97</u>	<u>1.28</u>	<u>16.3</u>	<u>0.00</u>	<u>0.820</u>
<u>1245</u>	<u>8.15</u>	<u>18.71</u>	<u>7.00</u>	<u>-95</u>	<u>1.37</u>	<u>22.7</u>	<u>0.00</u>	<u>0.879</u>
<u>1250</u>	<u>8.13</u>	<u>18.78</u>	<u>6.99</u>	<u>-93</u>	<u>1.47</u>	<u>7.7</u>	<u>0.00</u>	<u>0.944</u>
<u>1255</u>	<u>8.28</u>	<u>18.53</u>	<u>6.99</u>	<u>-93</u>	<u>1.55</u>	<u>4.7</u>	<u>0.00</u>	<u>0.992</u>
<u>1300</u>	<u>8.26</u>	<u>18.57</u>	<u>6.99</u>	<u>-91</u>	<u>1.63</u>	<u>2.0</u>	<u>0.00</u>	<u>1.05</u>

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-ES-8-1022 Duplicate? Yes ☐ No ☒ Shipped: Pace Courier Pickup ☒
Sample Time: 1300 MS/MSD? Yes ☐ No ☒ Drop-off Albany Service Center ☐

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

Sampling Personnel: KE
Job Number: 0603324-132410-221
Well Id. **MW-9**

Date: 10/12/22
Weather: 5 mi 90
Time In: 10:05 Time Out: 10:30

Well Information		TOC	Other
Depth to Water:	(feet)	<u>25.12</u>	
Depth to Bottom:	(feet)	40.50	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>15.39</u>	
Volume of Water in Well:	(gal)	<u>10.15</u>	
Three Well Volumes:	(gal)	<u>30.45</u>	

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

Purging Information		Conversion Factors	
Purging Method:	Bailer ☐ Peristaltic ☒	gal/ft.	1" ID 2" ID 4" ID 6" ID
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐	of	
Sampling Method:	Bailer ☐ Peristaltic ☒	water	0.04 0.16 0.66 1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet	
Duration of Pumping:	(min) <u>30</u>		
Total Volume Removed:	(gal) <u>2</u>	Did well go dry? Yes ☐ No ☒	
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐			

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:10	25.55	14.37	6.47	-59	0.000	44.5	9.54	0.364
10:15	25.65	13.93	6.07	-38	0.918	31.2	9.39	0.584
10:20	25.68	13.54	6.05	-3	0.869	30.0	8.01	0.554
10:25	25.69	13.50	6.05	-4	0.868	28.6	7.36	0.554
10:30	25.69	13.47	6.05	-38	0.891	29.1	6.47	0.573
10:35	25.68	13.43	6.05	-64	0.920	29.9	5.68	0.591
10:40	25.68	13.42	6.06	-69	0.931	30.3	5.38	0.594

Sampling Information:		6 - 100 ml ambers		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	9 - 40 ml vials	Yes ☒ No ☐	
EPA SW-846 Method 8260	VOC's BTEX	3 - 250 ml plastic	Yes ☒ No ☐	
EPA SW-846 Method 9012	Total Cyanide			
MW-9-MS-1022	MW-9-MSD-1022			
Sample ID: <u>MW-9-1022</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup ☒		
Sample Time: <u>10:40</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center ☐		
Comments/Notes:		Laboratory: Pace Analytical Greensburg, PA		

Sampling Personnel:
Job Number: 0603324-132410-221
Well Id. **MW-11**

Date: 10/12/22
Weather: 5m 55
Time In: 10:50 Time Out: 11:30

Well Information		TOC	Other
Depth to Water:	(feet)	<u>8.02</u>	
Depth to Bottom:	(feet)	18.50	
Depth to Product:	(feet)	<u> </u>	
Length of Water Column:	(feet)	<u>10.49</u>	
Volume of Water in Well:	(gal)	<u>1.67</u>	
Three Well Volumes:	(gal)	<u>5.03</u>	

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

Purging Information		Conversion Factors				
Purging Method:	Bailer ☐ Peristaltic ☒	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☐	of				
Sampling Method:	Bailer ☐ Peristaltic ☒	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=1337cu. feet				
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>2</u>	Did well go dry? Yes ☐ No ☒				
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐						

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:55	8.20	14.77	6.49	-69	0.852	73.1	6.88	0.530
11:00	8.28	16.36	6.33	-76	0.619	126	8.84	0.392
11:05	8.30	17.24	6.49	-82	0.571	59.3	9.12	0.368
11:10	8.30	17.34	6.16	-86	0.582	44.3	8.87	0.373
11:15	8.30	17.43	6.09	-91	0.590	35.3	9.23	0.376
11:20	8.30	17.75	5.98	-97	0.601	28.4	9.89	0.385
11:25	8.30	17.83	5.94	-101	0.608	21.6	9.16	0.389

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-11-1022	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup	☒
Sample Time: <u>11:25</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center	☐
Comments/Notes:		Laboratory: Pace Analytical	
		Greensburg, PA	

Sampling Personnel: KE
Job Number: 0603324-132410-221
Well Id. **MW-12**

Date: 10/12/22
Weather: Sun 65
Time In: 11:30 Time Out: 12:10

Well Information			TOC	Other
Depth to Water:	(feet)	<u>4.10</u>		
Depth to Bottom:	(feet)	14.30		
Depth to Product:	(feet)	<u>10.2</u>		
Length of Water Column:	(feet)	<u>1.63</u>		
Volume of Water in Well:	(gal)	<u>4.39</u>		
Three Well Volumes:	(gal)			

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)	<u>200</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used?			Yes ☒ No ☐

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=133.7cu. feet

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:35	4.20	19.50	5.15	-86	1.88	23.2	8.05	1.34
11:40	4.26	19.25	5.37	-50	5.11	23.0	6.54	3.23
11:45	4.26	19.46	5.39	-46	5.17	22.9	7.28	3.24
11:50	4.76	19.49	5.41	-44	5.19	22.6	7.19	3.24
11:55	4.26	19.11	5.54	-49	5.12	19.6	8.10	3.22
12:00	4.26	19.07	5.46	-43	5.10	19.9	8.07	3.22
12:05	4.26	19.06	5.44	-42	5.10	19.8	8.07	3.22

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-12-1022	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier Pickup	☒
Sample Time: <u>12:05</u>	MS/MSD? Yes ☐ No ☒	Drop-off Albany Service Center	☐
Comments/Notes:		Laboratory: Pace Analytical	
		Greensburg, PA	

National Grid
Sconondoa Street, Oneida New York

Sampling Personnel: K
Job Number: 0603324-132410-221
Well Id. **MW-103**

Date: 10/12/12
Weather: Sum 49
Time In: 8:30 Time Out: _____

Well Information

		TOC	Other
Depth to Water:	(feet)	<u>26.65</u>	
Depth to Bottom:	(feet)	40.00	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>13.35</u>	
Volume of Water in Well:	(gal)	<u>2.13</u>	
Three Well Volumes:	(gal)	<u>6.40</u>	

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: _____
Tubing/Bailer Material: _____
Sampling Method: _____
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)
08:45	26.78	15.63	6.59	-78	1.10	29.9	11.54	0.707
09:30	26.80	13.62	5.92	-80	1.15	28.5	9.81	0.736
09:45	26.80	13.34	5.86	-77	1.16	24.6	8.69	0.743
09:50	26.80	13.07	5.87	-74	1.18	19.6	7.73	0.755
09:05	26.80	12.91	5.91	-72	1.19	18.5	8.26	0.756
09:10	26.80	12.98	5.92	-70	1.18	16.9	7.52	0.757
09:15	26.80	12.85	5.99	-69	1.17	9.6	6.93	0.755

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-103-1022** Duplicate? Yes ☐ No ☒
Sample Time: 09:15 MS/MSD? Yes ☐ No ☒

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

Comments/Notes: _____

Laboratory: Pace Analytical
Greensburg, PA



January 13, 2022 – Site Conditions



October 12, 2022 – RW-1 condition



Appendix B – Data Usability Summary Report



Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

January 25, 2023

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. 30482651, 30529966

Groundwater & Environmental Services, Inc. (GES) reviewed two data packages (Laboratory Project Numbers 30482651, 30529966) from Pace Analytical Services, Inc., for the analysis of groundwater samples collected on April 20, 2022 and October 12, 2022 from monitoring wells located at the National Grid Oneida, NY Site. Thirteen 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
- 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-9-0422	J+	Fluorene and Acenaphthene	High MS/MSD recoveries
MW-9-0422	J-	Phenanthrene	Low MS/MSD recoveries
MW-9-0422	UJ	Benzene Ethylbenzene Toluene Xylene, Total m&p-Xylene O-Xylene	RPD exceeds maximum
MW-2-0422 MW-3-0422 FD-0422	UJ- J-	Non-detected VOCs-0422 Detected VOCs-0422	Residual chlorine present in samples
All October Samples	J- :Detects UJ-: Non-Detects	Naphthalene	Low LCS/LCSD recoveries
MW-1-0422 MW-6-0422 MW-7-0422 MW-9-0422 FD-0422 MW-6-1022 MW-12-1022	UJ	Benzo(b)fluoranthene Benzo(k)fluoranthene	Low resolution
MW-103-1022	UJ-	Cyanide	Low MS/MSD recoveries

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 relative percent difference (RPD) between the LCS and LCSD for all volatile compounds exceeded laboratory criteria. This indicates the method was out-of-control for precision. All VOCs are qualified as estimated with an indeterminate bias.

The blind field duplicate correlations for concentrations above 2x the reporting limit in the spring sampling event were calculated. Relative percent differences were within criteria.

The fall event blind field duplicate correlations of the BTEX compounds were not calculated, as there were no positive detections reported in the original or duplicate sample.

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.

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

Surrogate and internal standard recoveries are within required limits. Calibration standards show acceptable responses within analytical protocol and validation action limits the MS/MSD associated with MW-9 recovered low for phenanthrene and high for both fluorene and acenaphthene in the spring sampling event. All associated data is qualified as estimated with either a high or low bias.

Due to resolution issues, the benzo(b)fluoranthene and the benzo(k)fluoranthene in multiple samples for both events are estimated values. The resolution on the instrument was too low to separate the peaks.

MW-2 was the blind field duplicate location for both sampling events.

The blind field duplicate correlations for concentrations above 2x the reporting limit in the spring sampling event were calculated. Relative percent differences were within criteria.

The blind field duplicate correlations for the fall sampling event were not calculated, as the positive concentration reported for acenaphthene in MW-2 was less than 2x the RL. At these concentrations, precision calculations are not reliable.

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. Recoveries and relative percent differences were within criteria. No qualifications are required.

The fall matrix spike recoveries associated with MW-103 both reported 89% recovery, slightly below the laboratory criteria. Cyanide is qualified as estimated low in this sample.

The spring blind field duplicate correlations of MW-2 were not calculated, as neither the original nor duplicate sample reported an above RL concentration.

Neither the spring nor fall blind field duplicate correlations of MW-2 were calculated, as neither the original nor duplicate sample reported a positive concentration.

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,

A handwritten signature in blue ink, appearing to read 'B Janowiak', with a stylized flourish at the end.

Bonnie Janowiak, Ph.D.
Principal Environmental Chemist, NRCC Certified

SAMPLE SUMMARY

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30482651001	MW-1 0422	Water	04/20/22 12:25	04/21/22 09:25
30482651002	MW-2 0422	Water	04/20/22 10:00	04/21/22 09:25
30482651003	MW-3 0422	Water	04/20/22 10:50	04/21/22 09:25
30482651004	MW-4 0422	Water	04/20/22 11:30	04/21/22 09:25
30482651005	MW-5 0422	Water	04/20/22 12:15	04/21/22 09:25
30482651006	MW-6 0422	Water	04/20/22 09:15	04/21/22 09:25
30482651007	MW-7 0422	Water	04/20/22 10:10	04/21/22 09:25
30482651008	MW-ES-8-0422	Water	04/20/22 11:30	04/21/22 09:25
30482651009	MW-9-0422	Water	04/20/22 10:55	04/21/22 09:25
30482651010	MW-9-MS-0422	Water	04/20/22 10:55	04/21/22 09:25
30482651011	MW-9-MSD-0422	Water	04/20/22 10:55	04/21/22 09:25
30482651012	MW-ES-10S-0422	Water	04/20/22 12:45	04/21/22 09:25
30482651013	MW-11-0422	Water	04/20/22 10:35	04/21/22 09:25
30482651014	MW-12-0422	Water	04/20/22 09:35	04/21/22 09:25
30482651015	MW1-103-0422	Water	04/20/22 09:25	04/21/22 09:25
30482651016	FD-0422	Water	04/20/22 00:00	04/21/22 09:25
30482651017	Trip Blank	Water	04/20/22 00:00	04/21/22 09:25

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Date: May 16, 2022

MW-2 0422 (Lab ID: 30482651002)

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

MW-3 0422 (Lab ID: 30482651003)

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

FD-0422 (Lab ID: 30482651016)

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

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

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.

ED: Due to the extract's physical characteristics, the analysis was performed at dilution.

- MW-6 0422 (Lab ID: 30482651006)

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: 499677

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30482651009

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

- MS (Lab ID: 2418562)
 - Acenaphthene
 - Fluorene
- MSD (Lab ID: 2418563)
 - Acenaphthene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

QC Batch: 499677

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30482651009

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

- MSD (Lab ID: 2418563)
- Phenanthrene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Method: EPA 8260C

Description: 8260C MSV

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

General Information:

16 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.

QC Batch: 500410

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30482651009

R1: RPD value was outside control limits.

- MSD (Lab ID: 2421920)
 - Benzene
 - Ethylbenzene
 - Toluene
 - m&p-Xylene
 - o-Xylene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Oneida, NY

Pace Project No.: 30482651

Method: EPA 9012B

Description: 9012B Cyanide, Total

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: May 16, 2022

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: 499639

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30481458003

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

- MS (Lab ID: 2418631)
- Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Oneida Sconondoa

Pace Project No.: 30529966

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30529966001	MW-1-1022	Water	10/12/22 13:45	10/14/22 09:35
30529966002	MW-2-1022	Water	10/12/22 09:10	10/14/22 09:35
30529966003	MW-3-1022	Water	10/12/22 09:55	10/14/22 09:35
30529966004	MW-4-1022	Water	10/12/22 10:40	10/14/22 09:35
30529966005	MW-5-1022	Water	10/12/22 11:25	10/14/22 09:35
30529966006	MW-6-1022	Water	10/12/22 12:10	10/14/22 09:35
30529966007	MW-7-1022	Water	10/12/22 10:10	10/14/22 09:35
30529966008	MW-ES-8-1022	Water	10/12/22 13:00	10/14/22 09:35
30529966009	MW-9-1022	Water	10/12/22 10:40	10/14/22 09:35
30529966010	MW-9-MS-1022	Water	10/12/22 10:40	10/14/22 09:35
30529966011	MW-9-MSD-1022	Water	10/12/22 10:40	10/14/22 09:35
30529966012	MW-ES-10S-1022	Water	10/12/22 13:15	10/14/22 09:35
30529966013	MW-11-1022	Water	10/12/22 11:25	10/14/22 09:35
30529966014	MW-12-1022	Water	10/12/22 12:05	10/14/22 09:35
30529966015	MW-103-1022	Water	10/12/22 09:15	10/14/22 09:35
30529966016	FD-1022	Water	10/12/22 09:15	10/14/22 09:35
30529966017	Trip Blank	Water	10/12/22 13:50	10/14/22 09:35

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

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.

QC Batch: 540115

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2621581)
- Naphthalene

Matrix Spikes:

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

Additional Comments:

Batch Comments:

Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- QC Batch: 540115

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- FD-1022 (Lab ID: 30529966016)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-1-1022 (Lab ID: 30529966001)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-103-1022 (Lab ID: 30529966015)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-103-1022 (Lab ID: 30529966015)

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-11-1022 (Lab ID: 30529966013)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-12-1022 (Lab ID: 30529966014)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-12-1022 (Lab ID: 30529966014)

- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-2-1022 (Lab ID: 30529966002)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-3-1022 (Lab ID: 30529966003)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-4-1022 (Lab ID: 30529966004)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-5-1022 (Lab ID: 30529966005)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-6-1022 (Lab ID: 30529966006)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-6-1022 (Lab ID: 30529966006)

- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-7-1022 (Lab ID: 30529966007)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-9-1022 (Lab ID: 30529966009)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenz(a,h)anthracene
- Fluorene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-9-1022 (Lab ID: 30529966009)
 - Fluoranthene
 - Indeno(1,2,3-cd)pyrene
 - Naphthalene
 - Phenanthrene
 - Pyrene
- MW-9-MS-1022 (Lab ID: 30529966010)
 - 2-Methylnaphthalene
 - Acenaphthene
 - Acenaphthylene
 - Anthracene
 - Benzo(k)fluoranthene
 - Benzo(g,h,i)perylene
 - Benzo(a)anthracene
 - Benzo(b)fluoranthene
 - Benzo(a)pyrene
 - Chrysene
 - Dibenzo(a,h)anthracene
 - Fluorene
 - Fluoranthene
 - Indeno(1,2,3-cd)pyrene
 - Naphthalene
 - Phenanthrene
 - Pyrene
- MW-9-MSD-1022 (Lab ID: 30529966011)
 - 2-Methylnaphthalene
 - Acenaphthene
 - Acenaphthylene
 - Anthracene
 - Benzo(k)fluoranthene
 - Benzo(g,h,i)perylene
 - Benzo(a)anthracene
 - Benzo(b)fluoranthene
 - Benzo(a)pyrene
 - Chrysene
 - Dibenzo(a,h)anthracene
 - Fluorene
 - Fluoranthene
 - Indeno(1,2,3-cd)pyrene
 - Naphthalene
 - Phenanthrene
 - Pyrene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

Analyte Comments:

QC Batch: 540115

1c: Due to a laboratory error, a matrix spike/matrix spike duplicate was not performed for this batch.

- MW-ES-10S-1022 (Lab ID: 30529966012)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

- MW-ES-8-1022 (Lab ID: 30529966008)

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(k)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Dibenzo(a,h)anthracene
- Fluorene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Pyrene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 8260C

Description: 8260C MSV

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Oneida Sconondoa

Pace Project No.: 30529966

Method: EPA 9012B

Description: 9012B Cyanide, Total

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 27, 2022

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: 540167

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30527557004,30529966015

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

- MS (Lab ID: 2621761)
 - Cyanide
- MS (Lab ID: 2621763)
 - Cyanide
- MSD (Lab ID: 2621762)
 - Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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Appendix C – Quarterly Site Inspections

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

Date: 10/12/2022
 Technician: KL

Time: 7:30
 Weather: Sunny 49

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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:

well was destroyed by a town mower

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

Date: 7/14/2022
 Technician: KL

Time: 12:30
 Weather: Sunny 81

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 4/20/2022
 Technician: KL

Time: 8:30
 Weather: Sunny 47

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, maintenance 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:
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:	
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:	
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 1/13/2022
 Technician: KL

Time: 8:30
 Weather: Cloudy 31

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, maintenance 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
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:	
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:	
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 10/14/2021
 Technician: KL

Time: 8:00
 Weather: Cloudy 63

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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:

National Grid- Oneida MGP Site (NYSDEC Site No. 727008)

Reporting Period – September 22, 2021 to January 22, 2023

Attachment 3: Site Inspection Forms

Site Management Plan Inspection Form

Sconodda Street

Former MGP Site

Oneida, New York

Date: 1/12/2023

Technician: KL

Time: 9:00

Weather: Rain 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, maintenance 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	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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:

well was destroyed by a town mower 2022

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

Date: 10/12/2022
 Technician: KL

Time: 7:30
 Weather: Sunny 49

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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:

well was destroyed by a town mower

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

Date: 7/14/2022
 Technician: KL

Time: 12:30
 Weather: Sunny 81

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 4/20/2022
 Technician: KL

Time: 8:30
 Weather: Sunny 47

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, maintenance 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:
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:	
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:	
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 1/13/2022
 Technician: KL

Time: 8:30
 Weather: Cloudy 31

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, maintenance 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
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:	
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:	
Condition 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
Sconodda Street
Former MGP Site
Oneida, New York

Date: 10/14/2021
 Technician: KL

Time: 8:00
 Weather: Cloudy 63

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, maintenance 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:	
Condition of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Condition of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition 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: