nationalgrid

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

March 13, 2024

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

Re: ***National Grid Ogdensburg Former MGP Site***
NYSDEC Site No. 645053
10 King Street
Ogdensburg, New York
2023 Periodic Review Report

Dear Mr. Demo:

Enclosed for your review is the 2023 Periodic Review Report (PRR) for the National Grid Ogdensburg Former MGP Site. The PRR pertains to the period from February 17, 2023 through February 17, 2024 and includes a brief report and Institutional Controls/Engineering Controls (IC/EC) Certification Form.

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

300 Erie Boulevard West, C-1
T: 315-428-5652 ■ F: 315-428-3549 ■ steven.stucker@us.ngrid.com ■ www.nationalgrid.com

National Grid- Ogdensburg MGP Site (NYSDEC Site No. 645053)

Reporting Period – February 17, 2023 through February 17, 2024

I. Introduction

A. Brief Site Summary –

The Former Ogdensburg Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 0.958 acre lot, with the address of 10 King Street in Ogdensburg, New York (refer to Figure 1 Site Location Map). The Site is owned by the St. Lawrence Gas Company. Manufactured gas was produced at the Site by a predecessor company to Niagara Mohawk Power Corporation from approximately 1854 until at least 1930 using the coal carbonization process. The majority of the buildings and above-grade structures were removed by 1949; however, several subsurface foundations and piping were left in place. In addition to the former MGP, the Site was the location of a quarry from approximately 1850 to after 1865, and was used for the storage of propane gas tanks from before 1945 until sometime before 1997.

An investigation of the Site began in 2003 with the site characterization (SC), the remedial investigation (RI), which was conducted between 2003 and 2009, and culminating in 2010 with the pre-design investigation (PDI). During these investigations, 76 soil borings were drilled, 22 monitoring wells were installed, 10 test pits were excavated, three soil vapor investigations were conducted, and more than 230 samples of environmental media were collected and analyzed. The results of the SC and RI were presented in the Remedial Investigation Report (RI Report; Arcadis 2009), and the results of the PDI were presented in the Pre-Design Investigation Summary Report (PDI Report; National Grid 2011). In March 2009, National Grid also conducted an investigation of the City of Ogdensburg's combined sewer system located downstream from the Site. The investigation was prompted by the findings of the utility evaluation conducted in October 2008 during the Phase III RI, which identified non-aqueous phase liquid (NAPL) in a sewer lateral that extended from the western portion of the Site, along the fence line, to one of the manholes in King Street. The results of the sewer investigation were presented in an April 10, 2009 memorandum to the NYSDEC (Arcadis 2009) and were summarized in the RI Report.

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 were found at the Site and the off-Site area.

B. **Remedial Program Effectiveness** – During the reporting period (February 17, 2023 to February 17, 2024) 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.

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 February 17, 2024 to February 17, 2025.

II. Site Overview

A. **Site Location and Boundaries –**

The Site is located at 10 King Street in the City of Ogdensburg, County of St. Lawrence, New York (Figure 1 presents the site location map). The Site is an approximate 0.958-acre area bounded by King Street to the north, privately-owned properties to the south and west, a privately-owned property and a vacant National Grid-owned property to the east. Currently, the property is grass-covered, vacant and surrounded by a 6-foot chain link fence with barbed wire.

B. **Regulatory History and Remedy Features –**

The Site was remediated between May and October 2013 in accordance with the *Voluntary Cleanup Program Decision Document* (NYSDEC 2010b) and *Final (100%) Remedial Design* (Arcadis 2012). This PRR is being completed in compliance with Section 6.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Restrictions and Covenants (DCR) was placed on the property in February 2018 by the Owner, and is included in Appendix A of the SMP.

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 and Fencing: Annual site inspection of the cover system includes identification of any damage to the cover. The fence is also inspected for any damage. National Grid conducts quarterly inspections for internal security purposes. See Attachment 1 for the Site Inspection Forms.
   - Monitoring Wells Associated with Monitored Natural Attenuation (MNA): Semi-annual groundwater sampling of the monitoring well system will be conducted, 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 2 for the certification.

V. Monitoring Plan Compliance Report –

The Annual Monitoring Report was submitted to the NYSDEC on January 30, 2024. See Attachment 3 for a copy of the Annual Monitoring Report.

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 February 17, 2024 through February 17, 2025.

VIII. Additional Guidance – Not needed.

REFERENCES

Arcadis, 2018. "Site Management Plan, Ogdensburg (King Street) Non-Owned Former MGP Site", September 2018.

Attachment 1: Site Inspection Forms

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 1/25/2024 Time: 09:30
Technician: Kevin Leo Weather: Cloudy 30

Site Wide		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Are the requirements of the Site Management Plan being met?	Yes	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	No	COMMENTS:

Site Wide - SLG Responsible to Maintain		
Perimeter Fence and Gates intact?	Yes	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:

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

NG Owned Property on Lake Street - Not part of the SMP		
Any repairs, maintenace or corrective actions since the last inspection?	No	COMMENTS:
Have the lawns been mowed?	No	COMMENTS:
Conditon of the sidewalks?	Good	COMMENTS:
Condition of the site trees?	Good	COMMENTS:
Are the boulders in place?	Yes	COMMENTS:

Miscellaneous		
Evidence of Trespassing	No	COMMENTS:
Litter	None	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-2(R)	Yes
MW-5R(R)	Yes
MW-8R	Yes
MW-9	Yes
MW-10R	Yes
MW-11	Yes
MW-12R	Yes
MW-14R	Yes
MW-15	Yes
MW-15RS	Yes
MW-17R	Yes
MW-19R	Yes
MW-20R	Yes

General Comments:
Excavation and upgrades being done to sewer plant north end of site

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 10/18/2023 Time: 9:00
Technician: KL Weather: Cloudy 50

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

NYSDEC Brad Demo on site

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 7/13/2023 Time: 9:00
Technician: KL Weather: Sunny 76

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

City is onsite removing trees and debris around the old cheese factory. Walked the site with the crew to identify and markout the monitoring wells.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 4/27/2023 Time: 8:30
Technician: KL Weather: Sunny 46

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

April 27, 2023 – Site Conditions

July 13, 2023 – Site Conditions

October 19, 2023 – Site Conditions

Attachment 2: 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. 645053

Site Name NM - Ogdensburg MGP

Site Address: 10 King St. Zip Code: 13669
City/Town: Ogdensburg
County: St Lawrence
Site Acreage: 0.958

Reporting Period: February 17, 2023 to February 17, 2024

	YES	NO
1. Is the information above correct?	X	
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?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
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?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

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

SITE NO. 645053 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
48.078-5-19	St. Lawrence Gas Company	Ground Water Use Restriction Landuse Restriction Site Management Plan

Deed Restriction was filed on October 10, 2006. A Site Management Plan was approved on September 26, 2018 (see Site # 645053).

48.078-5-25.1	NMPC. d/b/a National Grid	Ground Water Use Restriction Landuse Restriction Site Management Plan

The Easement was recorded on March 22, 2018. The Site Management Plan was approved on September 26, 2018.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
48.078-5-19	Cover System Fencing/Access Control

The Engineering controls for the site include a site cover system and fencing to control access. The property is restricted to commercial use and groundwater use is also prohibited.

48.078-5-25.1	Cover System Fencing/Access Control

The Engineering controls in place include a cover system, restriction of land use to commercial, groundwater use prohibited, and site fencing to control access.

Box 5

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 compete.

YES	NO
X	

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
X	

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. 645053

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 (print name) at 6780 Northern Blvd. Suite 100, East Syracuse, NY (print business address),

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

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

STATE OF NEW YORK
GERALD H. CRESAP JR.
087401
LICENSED PROFESSIONAL ENGINEER

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

3-12-2024
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional 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 (print name) at 6780 Northern Blvd. Suite 100, East Syracuse, NY (print business address),

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

STATE OF NEW YORK
GERALD H. CRESAP, JR.
087401
LICENSED PROFESSIONAL ENGINEER

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

3-12-2024
Date

Attachment 3: Annual Monitoring Report

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

January 30, 2024

Mr. Brad Demo
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

RE: National Grid Former Manufactured Gas Plant Site
10 King Street, Ogdensburg, New York
Annual Groundwater Monitoring Report

Dear Mr. Demo:

Enclosed for your review is the Annual Groundwater Monitoring Report for the NG Ogdensburg MGP Site, for 2023.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Quarterly site inspections were conducted in 2023 (January, April, July, and October). The site is generally in good shape and in compliance. There were detections of BTEX and/or PAHs in 12 of the 13 monitoring wells sampled.

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,

for SPS

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

Cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

Annual Groundwater Monitoring Report

National Grid Ogdensburg, Former MGP Site
10 King Street, Ogdensburg, NY 13669

January 2024

Version 1

Annual Groundwater Monitoring Report
National Grid Ogdensburg, Former MGP Site
10 King Street
Ogdensburg, NY 13669

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:
0603400.136690.221

Date:
January 30, 2024

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Figures

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Appendices

1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Ogdensburg former manufactured gas plant (MGP) site (the site) located in Ogdensburg, New York (the Site). A site map is presented on **Figure 1**. The work summarized herein has been conducted in accordance with the approved Site Management Plan (SMP) for the site, dated September 26, 2018.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the April and October 2023 groundwater monitoring activities were to:

- Obtain groundwater elevation data from monitoring wells in the vicinity of the site to evaluate groundwater flow direction and velocity, and compare the results with historical groundwater flow conditions.
- Obtain analytical data to assess potential changes in groundwater quality at the site and compare the results to the Class GA groundwater standards and guidance values presented in the New York State Department of Environmental Conservation (NYSDEC) document entitled, "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1), reissued June 1998 and addended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The April 27, 2023 and October 18, 2023 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in **Table 1**. **Table 1** also includes groundwater elevation measurements obtained during previous groundwater monitoring events. A shallow groundwater potentiometric surface contour map developed based on the groundwater elevation measurements taken on April 27, 2023 and October 18, 2023, is included on **Figure 2** and **Figure 3**, respectfully.

Groundwater generally flows to the north from the Site toward the St. Lawrence River. Groundwater elevations ranged from 249.05 feet above sea level (asl; well MW-15) to 257.43 feet asl (well MW-10R). Field data from the gauging event is presented in **Appendix B**.

2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from 13 monitoring wells on April 27, 2023 and October 18, 2023 (including MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, MW-14R, MW-15, MW-15RS, MW-17R, MW-19R, and MW-20R). 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 B**.

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 2** and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on **Table 2** and further shown on **Figures 4** and **5**. The Data Usability Summary Report (DUSR) is included in **Appendix C**.

There were BTEX and/or PAH detections in most of the monitoring wells sampled during the April and October 2023 sampling events. In April 2023, BTEX, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, and MW-15RS during the April 2022 event. In October 2023, BTEX, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, naphthalene, and phenanthrene were detected above the regulatory criteria in one or more samples. Cyanide was detected in monitoring wells MW-2(R), MW-5R(R), MW-8R, MW-9, MW-10R, MW-11, MW-12R, and MW-15RS in October 2023. As shown on **Table 2**, BTEX, PAHs and total cyanide detected in groundwater during the April and October 2023 sampling events are consistent with results from previous sampling events.

3 Quarterly Site-Wide Inspections

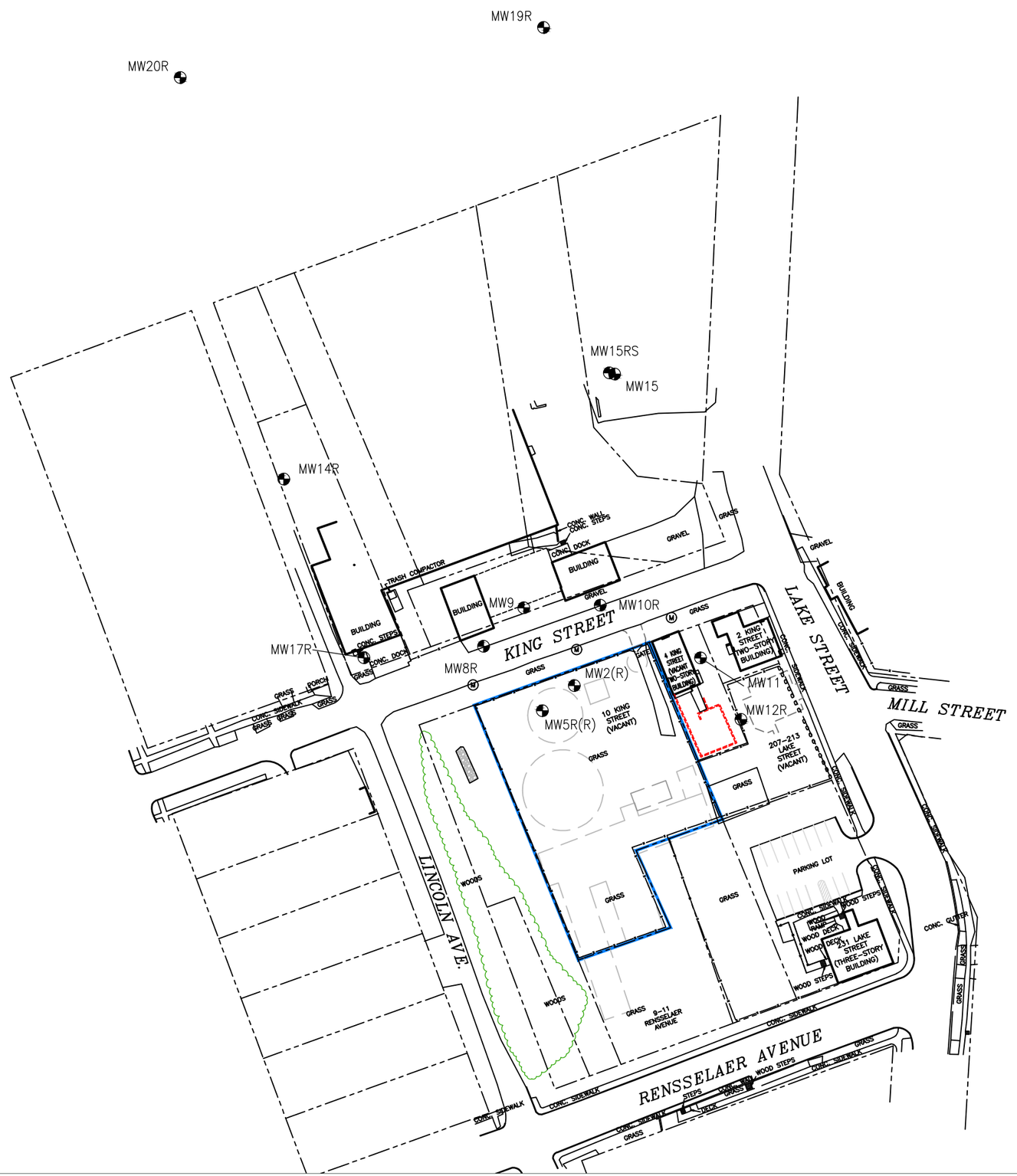
The quarterly site-wide inspections were conducted on January 25, April 27, July 13, and October 18, 2023. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance.

4 Recommendations

4.1 Recommendations

At this time, National Grid recommends continuing the annual monitoring activities. The next annual groundwater sampling event would be in the spring 2024. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.

Figures



LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL

Expanded Site Map

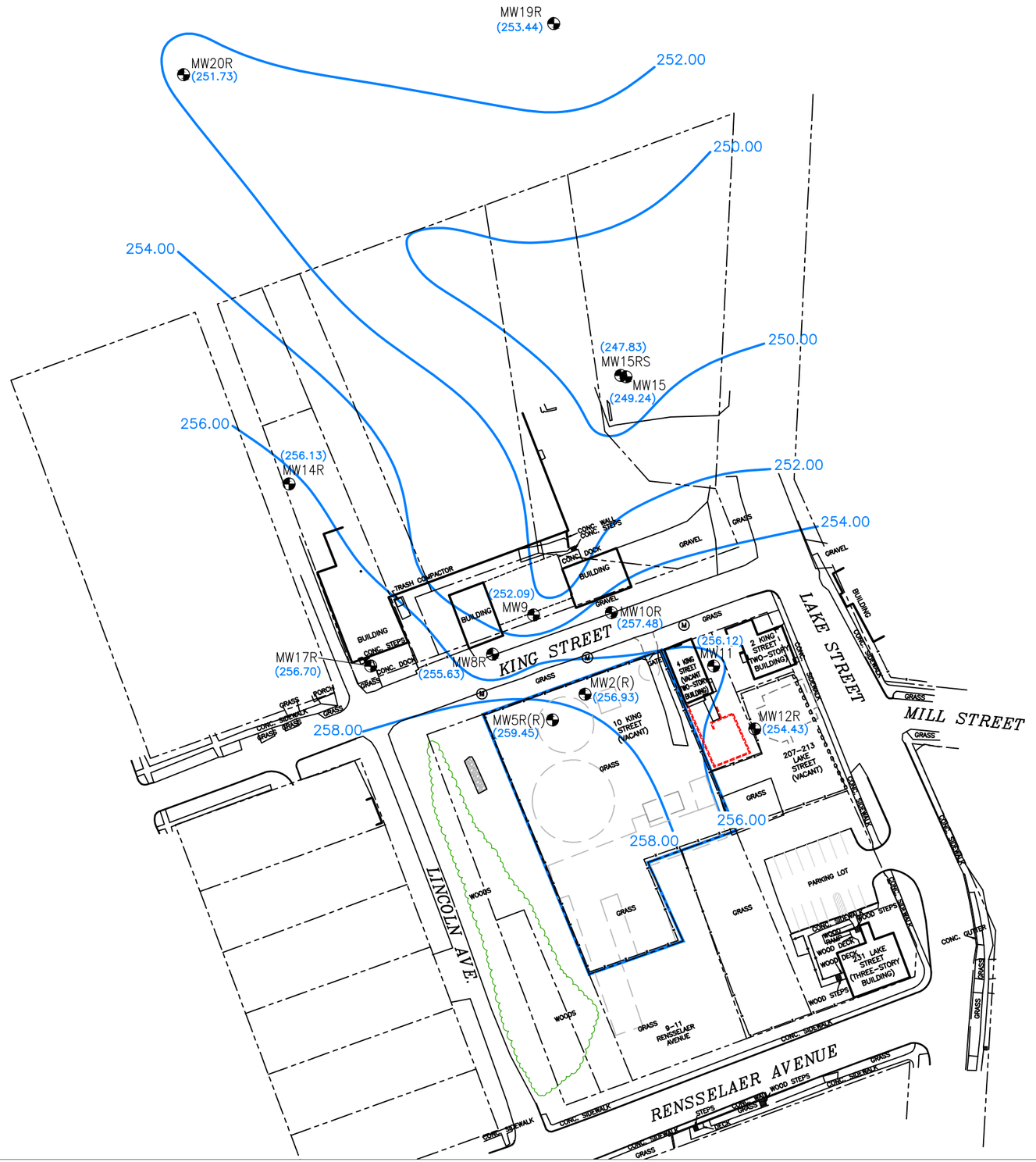
National Grid
10 King Street
Ogdensburg, New York

Drawn: D.H.
Designed:
Approved:
Date: 01/19/24
Figure: 1

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

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



LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL
- (254.43) GROUNDWATER ELEVATION (feet)
- GROUNDWATER ELEVATION CONTOUR (feet)

Groundwater Contour Map
April 27, 2023

National Grid
10 King Street
Ogdensburg, New York

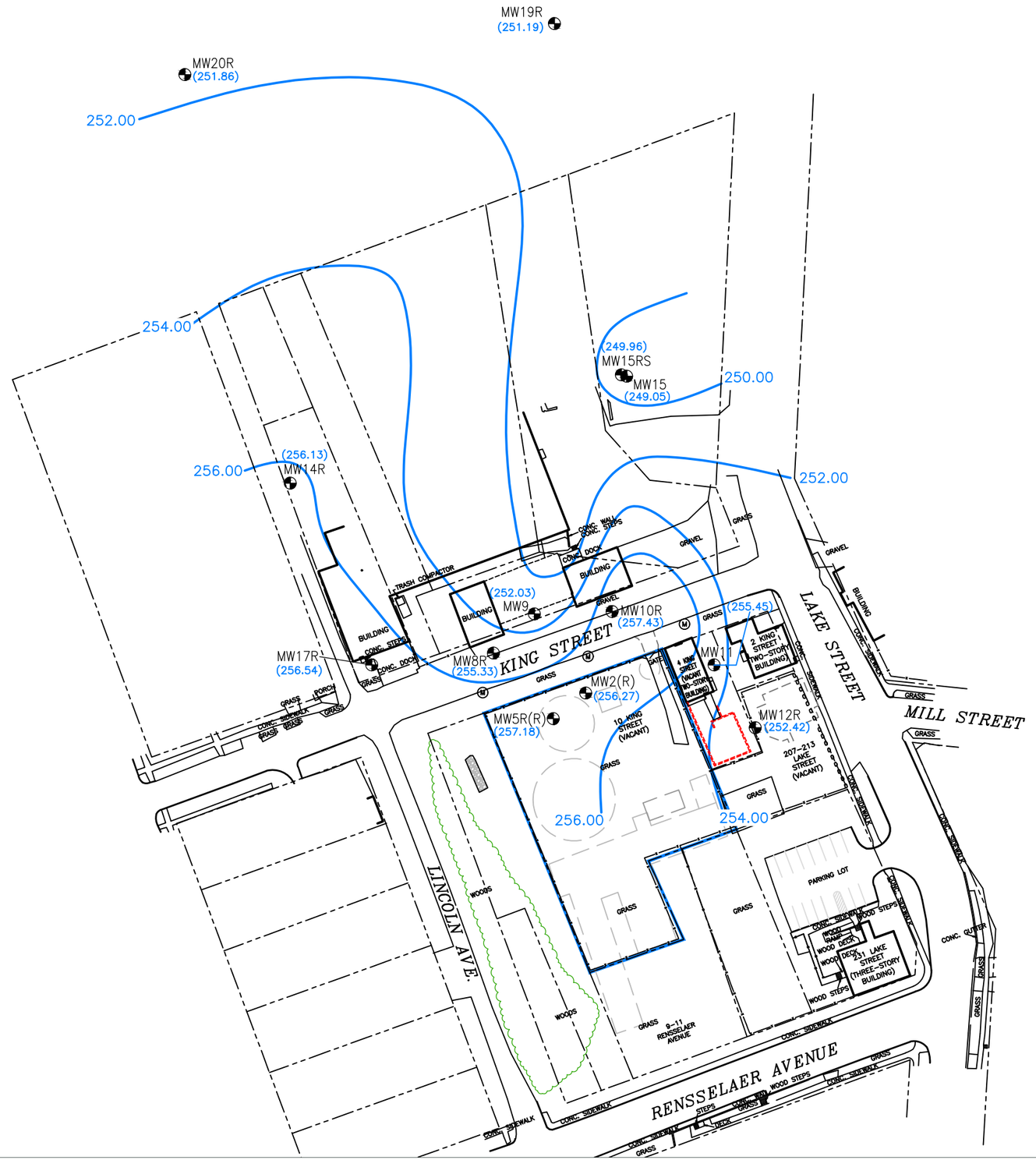
Drawn
M.R.H.
Designed
R.K.
Approved
T.B.

Date
01/09/24
Figure
2

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), 1/9/2024 9:25:11 AM, mhollister



LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL
- (252.42) GROUNDWATER ELEVATION (feet)
- GROUNDWATER ELEVATION CONTOUR (feet)

Groundwater Contour Map
October 18, 2023

National Grid
10 King Street
Ogdensburg, New York

Drawn M.R.H.
Designed R.K.
Approved T.B.

Date 01/09/24
Figure 3

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), 1/9/2024 11:09:24 AM, mhollister

MW14R
256.13
9.1
0.29
ND

MW8R
255.63
344
79.0
12

MW17R
256.70
1.7
0.19
ND

MW2(R)
256.93
81.1
342
450

MW5R(R)
259.45
74.0
40.2
11

MW19R
253.44
ND
0.12
ND

MW20R
251.73
ND
ND
ND

MW9
252.09
519
147.1
410

MW15RS
247.83
97.0
ND
56

MW15
249.24
ND
1.50
ND

MW10R
257.48
1,922
478
110

MW11
256.12
ND
ND
110

MW12R
254.43
1,788
36.5
28

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL

MW2(R)	WELL IDENTIFICATION
256.93	GROUNDWATER ELEVATION (feet)
81.1	BTEX CONCENTRATION (ug/L)
342	PAHs CONCENTRATION (ug/L)
450	CYANIDE CONCENTRATION (ug/L)

- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- ND — NOT DETECTED
- NA — NOT ANALYZED

Groundwater Monitoring Map
April 27, 2023

National Grid
10 King Street
Ogdensburg, New York

Drawn
M.R.H.
Designed
R.K.
Approved
T.B.

Date
01/09/24
Figure
4

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), 1/9/2024 10:04:14 AM, mhollister

MW19R
251.19
ND
ND
ND

MW20R
251.86
ND
ND
ND

MW9
252.03
572
309.2
1,500

MW15RS
249.96
3.1
ND
60

MW15
249.05
ND
0.32
ND

MW14R
256.13
1.6
0.20
ND

MW10R
257.43
2,511
717
75

MW8R
255.33
582
84.8
66

MW11
255.45
ND
0.20
310

MW17R
256.54
ND
ND
ND

MW12R
252.42
1,793
21.8
26

MW2(R)
256.27
65.3
200
670

MW5R(R)
257.18
295
134
28

LEGEND

- PROPERTY BOUNDARY
- FENCE
- UTILITY MANHOLE
- MONITORING WELL
- MW2(R) — WELL IDENTIFICATION
- 256.27 — GROUNDWATER ELEVATION (feet)
- 65.3 — BTEX CONCENTRATION (ug/L)
- 200 — PAHs CONCENTRATION (ug/L)
- 670 — CYANIDE CONCENTRATION (ug/L)
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- ND — NOT DETECTED
- NA — NOT ANALYZED

Groundwater Monitoring Map
October 18, 2023

National Grid
10 King Street
Ogdensburg, New York

Drawn
M.R.H.
Designed
R.K.
Approved
T.B.

Date
01/09/24
Figure
5

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Ogdensburg\Ogdensburg SM.dwg, B100 SM(current), 1/9/2024 10:42:19 AM, mhollister

Tables

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Depth To Water (4/15/21)	Groundwater Elevation (4/15/21)	Depth To Water (10/20/21)	Groundwater Elevation (10/20/21)	Depth To Water (4/14/22)	Groundwater Elevation (4/14/22)	Depth To Water (10/20/22)	Groundwater Elevation (10/20/22)	Depth To Water (4/27/23)	Groundwater Elevation (4/27/23)	Depth To Water (10/18/23)	Groundwater Elevation (10/18/23)
MW-2(R)	Flushmount; PVC; 2-inch	2.69	256.51	4.18	255.02	1.26	257.94	2.72	256.48	2.27	256.93	2.93	256.27
MW-5R(R)	Flushmount; PVC; 2-inch	-0.04	259.44	2.11	257.29	0.00	259.40	1.89	257.51	-0.05	259.45	2.22	257.18
MW-8R	Flushmount; PVC; 2-inch	2.29	255.09	2.56	254.82	1.62	255.76	1.75	255.63	1.75	255.63	2.05	255.33
MW-9	Flushmount; PVC; 2-inch	4.83	252.17	4.94	252.06	4.84	252.16	4.84	252.16	4.91	252.09	4.97	252.03
MW-10R	Flushmount; PVC; 2-inch	0.00	257.58	0.55	257.03	0.00	257.58	0.00	257.58	0.10	257.48	0.15	257.43
MW-11	Flushmount; PVC; 2-inch	2.99	256.08	3.73	255.34	2.16	256.91	3.31	255.76	2.95	256.12	3.62	255.45
MW-12R	Flushmount; PVC; 2-inch	7.22	253.57	9.19	251.60	5.48	255.31	8.73	252.06	6.36	254.43	8.37	252.42
MW-14R	Flushmount; PVC; 2-inch	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13	0.00	256.13
MW-15	Flushmount; PVC; 2-inch	7.30	249.32	8.33	248.29	6.96	249.66	7.55	249.07	7.38	249.24	7.57	249.05
MW-15RS	Flushmount; PVC; 2-inch	7.72	250.02	8.50	249.24	7.80	249.94	8.25	249.49	9.91	247.83	7.78	249.96
MW-17R	Flushmount; PVC; 2-inch	6.84	256.45	7.29	256.00	5.95	257.34	6.88	256.41	6.59	256.70	6.75	256.54
MW-19R	Flushmount; PVC; 2-inch	3.55	251.97	4.00	251.52	2.58	252.94	3.30	252.22	2.08	253.44	4.33	251.19
MW-20R	Flushmount; PVC; 2-inch	0.50	251.36	0.20	251.66	0.00	251.86	0.00	251.86	0.13	251.73	0.00	251.86

Table 2

Groundwater Analytical Data

MW-2(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**61**	**120**	**55.4**	**44.3**	**49.1**	**45.2**	**38.4**	**63.4**	**37.3**	**35.4**
Ethylbenzene	5	µg/L	ND	3	1.5	1.6	2.0	1.3	ND	2.7	2.1	1.3
Toluene	5	µg/L	**29**	**44**	**22.4**	**19.4**	**23.1**	**17.8**	**18.4**	**29.3**	**20.6**	**15.7**
Total Xylenes	5	µg/L	**23**	**36**	**20.7**	**17.8**	**23.1**	**17.1**	**18.3**	**29.7**	**21.1**	**12.9**
SVOCs												
Acenaphthene	20	µg/L	1.8 J	4 J	3.5	3.0	4.9	10.7	2.6	5.0	4.8	2.4
Acenaphthylene	- -	µg/L	7.7	18	16.2	12.6	20.7	44.9	10.5	19.8	18.5	11.2
Anthracene	50	µg/L	1.7 J	3 J	2.6	1.8	2.2	6.7	1.1	2.1	2.4	1.9
Benzo(a)anthracene	0.002	µg/L	**3.3**	ND	**0.13**	**0.37**	ND	ND	ND	ND	ND	**0.18**
Benzo(a)pyrene	ND	µg/L	**2.8**	ND	ND	0.38	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	**3.5**	ND	ND	**0.50**	ND	ND	ND	ND	ND	**0.17**
Benzo(g,h,i)perylene	- -	µg/L	1.6 J	ND	ND	0.23	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	**1.4 J**	ND	ND	**0.17**	ND	ND	ND	ND	ND	**0.17**
Chrysene	0.002	µg/L	**2.6**	ND	ND	**0.29**	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	6.9	ND	1.2	1.3	0.98	2.9	0.49	1.5	1.6	0.92
Fluorene	50	µg/L	2.3	7	6.2	5.2	7.7	22.1	3.7	9.1	8.9	4.2
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**1.4 J**	ND	ND	**0.23**	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	5.8	20	17.9	17.1	22.5	50.1	15.4	20.8	25.0	13.0
Naphthalene	10	µg/L	**120**	**270**	**210**	**270**	**327**	**622**	**257**	**234**	**273**	**162**
Phenanthrene	50	µg/L	4.1	6	5.0	4.1	5.5	17.7	2.0	6.6	7.0	3.2
Pyrene	50	µg/L	5.4	ND	0.74	0.92	0.61	1.7	0.30	1.0	1.1	0.55
Inorganics												
Cyanide, Total	200	µg/L	**900**	**530**	**240**	**4,100**	**390**	**4,900**	**330**	**680**	**450**	**670**

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-5R(R)

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/20/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**130**	**440**	**392**	**354**	**144**	**231**	**98.7**	**308**	**65.8**	**261**
Ethylbenzene	5	µg/L	**7.0**	**26**	**27.3**	**24.3**	**11.6**	**16.8**	4.9	**16.8**	3.1	**11.0**
Toluene	5	µg/L	3.0	**70**	**82.6**	**65.0**	**21.8**	**25.5**	3.9	**9.4**	1.1	**6.3**
Total Xylenes	5	µg/L	**6.4**	**53**	**78.9**	**58.7**	**24.2**	**33.7**	**8.4**	**26.2**	4.0	**16.3**
SVOCs												
Acenaphthene	20	µg/L	9.8	**71**	**44.9**	**38.8**	**26.8**	**28.5**	12.2	**20.6**	9.2	**29.5**
Acenaphthylene	- -	µg/L	6.6	40	31.9	24.6	14.1	16.6	3.5	7.9	1.7	5.6
Anthracene	50	µg/L	0.50 J	8	4.9	3.1	0.85	2.0	ND	0.36	ND	0.35
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.11**	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	6	4.2	2.4	1.6	2.0	0.96	1.3	0.66	1.4
Fluorene	50	µg/L	4.7	48	28.4	23.8	18.5	21.6	9.1	12.9	6.7	13.9
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	6	10.3	7.9	3.9	4.3	0.76	0.77	ND	ND
Naphthalene	10	µg/L	4.1	**210**	**248**	**315**	**86.6**	**110**	4.7	**51.9**	**16.0**	**69.9**
Phenanthrene	50	µg/L	2.6	41	25.2	20.7	14.7	17.7	6.4	8.1	5.4	11.9
Pyrene	50	µg/L	ND	5	3.5	2.1	1.4	1.6	0.79	1.1	0.56	1.1
Inorganics												
Cyanide, Total	200	µg/L	10	55	55	49	17	34	11	34	11	28

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-8R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**550**	**800**	**1,300**	**576**	**431**	**623**	**359**	**615**	**312**	**542**
Ethylbenzene	5	µg/L	**13**	**14**	**66.2**	**13.6**	**9.5**	**20.7**	**9.2**	**17.2**	**9.6**	**11.3**
Toluene	5	µg/L	**10**	**20**	**75.2**	**9.2**	**5.6**	**20.2**	**10.8**	**17.2**	**8.2**	**11.6**
Total Xylenes	5	µg/L	**19**	**27**	**132**	**18.0**	**12.5**	**32.6**	**16.1**	**26.2**	**13.7**	**16.6**
SVOCs												
Acenaphthene	20	µg/L	5.6	10	16.2	7.6	8.2	12.6	7.5	8.5	6.7	11.0
Acenaphthylene	- -	µg/L	6.7	10	23.4	5.4	3.3	12.9	4.9	7.9	5.0	7.9
Anthracene	50	µg/L	0.94 J	0.9	2.9	0.68	ND	1.5	0.44	0.61	1.5	1.1
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.48**	**0.48**	**0.11**	**0.39**	**0.27**	**0.19**	**1.6**	**0.18**
Benzo(a)pyrene	ND	µg/L	ND	ND	**0.28**	**0.36**	ND	**0.22**	**0.16**	**0.12**	**1.4**	**0.11**
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	**0.31**	**0.38**	ND	**0.33**	0.24	**0.18**	**1.9**	**0.14**
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	0.10	0.13	ND	ND	ND	ND	0.45	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	**0.10**	**0.18**	ND	**0.28**	0.22	**0.16**	**1.5**	**0.13**
Chrysene	0.002	µg/L	**0.39 J**	ND	**0.28**	**0.32**	ND	**0.22**	0.19	**0.12**	**1.3**	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND
Fluoranthene	50	µg/L	1.5 J	0.7	2.5	1.2	0.61	1.6	0.94	0.79	3.3	0.95
Fluorene	50	µg/L	4.40	7	15.6	4.5	4.6	10.1	5.1	6.1	6.0	7.2
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**0.10**	**0.14**	ND	ND	ND	ND	**0.45**	ND
2-Methylnapthalene	- -	µg/L	3.7	3	15.0	2.5	1.4	10.2	5.0	4.3	4.3	5.8
Naphthalene	10	µg/L	**33**	**51**	**333**	**37.9**	**35.8**	**109**	**65.5**	**47.4**	**35.2**	**47.1**
Phenanthrene	50	µg/L	2.7	2	9.2	1.7	1.3	4.0	1.8	2.0	5.4	2.5
Pyrene	50	µg/L	1.1 J	0.5	1.8	0.97	0.45	1.2	0.73	0.61	2.8	0.67
Inorganics												
Cyanide, Total	200	µg/L	59	**320**	54	58	26	17	22	120	12	66

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**280**	**340**	**283**	**228**	**165**	**259**	**155**	**378**	**245**	**279**
Ethylbenzene	5	µg/L	**120**	**140**	**112**	**107**	**65.3**	**111**	**79.2**	**146**	**103**	**114**
Toluene	5	µg/L	**170**	**85**	**50.8**	**16.3**	**9.6**	**21.3**	**24.1**	**108**	**30.3**	**67.6**
Total Xylenes	5	µg/L	**250**	**180**	**91.7**	**52.1**	**53.0**	**49.5**	**81.6**	**142**	**141**	**111**
SVOCs												
Acenaphthene	20	µg/L	**76**	**48**	**30.2**	**55.5**	**59.9**	**52.8**	**58.3**	**63.8**	**40.8**	**73.8**
Acenaphthylene	- -	µg/L	29	17	8.6	11.0	21.6	21.9	14.9	14.0	11.3	26.7
Anthracene	50	µg/L	11	8	2.6	11.4	7.3	19.7	5.6	9.3	3.4	13.4
Benzo(a)anthracene	0.002	µg/L	ND	**2**	**0.21**	**5.80**	**2.5**	**18.5**	**2.8**	**4.8**	**0.59**	**4.6**
Benzo(a)pyrene	ND	µg/L	ND	**1**	ND	**4.4**	**1.6**	**12.7**	**1.7**	**2.8**	**0.41**	**2.9**
Benzo(b)fluoranthene	0.002	µg/L	ND	**1**	ND	**4.8**	**2.1**	**18.0**	**2.4**	**4.2**	**0.56**	**3.3**
Benzo(g,h,i)perylene	- -	µg/L	ND	0.4 J	ND	1.5	0.46	4.5	0.56	ND	0.12	0.78
Benzo(k)fluoranthene	0.002	µg/L	ND	**0.5 J**	ND	**1.8**	**2.0**	**15.4**	**2.2**	**3.7**	**0.43**	**2.6**
Chrysene	0.002	µg/L	ND	**1**	**0.13**	**4.30**	**1.8**	**11.2**	**2.0**	**3.3**	**0.39**	**2.3**
Dibenz(a,h)anthracene	- -	µg/L	ND	0.2 J	ND	0.46	0.21	1.6	0.22	ND	0.12	0.28
Fluoranthene	50	µg/L	6.0	8	2.2	19.2	8.7	37.4	9.0	16.5	3.5	12.6
Fluorene	50	µg/L	**56**	38	19.0	36.1	34.1	45.4	28.1	38.9	22.4	**58.7**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	**1**	ND	**1.5**	**0.49**	**4.3**	**0.58**	ND	**0.12**	**0.89**
2-Methylnapthalene	- -	µg/L	14	1	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	**450**	**72**	**18.1**	9.1	**51.2**	**10.3**	**20.0**	**28.1**	**43.1**	**44.1**
Phenanthrene	50	µg/L	**51**	36	9.7	25.2	9.2	43.5	2.5	4.0	17.7	**53.4**
Pyrene	50	µg/L	3.5	5	1.2	12.7	6.1	28.1	6.2	11.8	2.2	8.8
Inorganics												
Cyanide, Total	200	µg/L	**410**	**1,300**	**1,000**	**1,500**	**320**	**1,100**	**560**	**950**	**410**	**1,500**

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-10R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/23/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**1,700 J**	**1,400**	**1,360**	**1,540**	**1,040**	**1,790**	**220**	**1,760**	**1,520**	**1,990**
Ethylbenzene	5	µg/L	**25 J**	**100**	**122**	**124**	**94.3**	**138**	**101**	**139**	**96**	**128**
Toluene	5	µg/L	3.1	**94**	**230**	**201**	**171**	**197**	**174**	**222**	**172**	**229**
Total Xylenes	5	µg/L	**15**	**65**	**161**	**150**	**125**	**161**	**127**	**175**	**134**	**164**
SVOCs												
Acenaphthene	20	µg/L	9.6	**24**	16.8	**25.3**	22.0	**29.8**	29.2	**37.5**	**26.4**	**40.6**
Acenaphthylene	- -	µg/L	6.0	23	22.7	27.5	31.9	34.1	37.5	46.6	31.8	39.3
Anthracene	50	µg/L	ND	0.5	0.80	0.89	0.89	ND	0.78	ND	0.43	0.87
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	0.11	0.11	ND	ND	0.096	ND	ND	ND
Fluorene	50	µg/L	3.9	11	8.1	11.4	9.7	13.2	10.5	16.2	10.0	14.6
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	1	3.6	4.8	6.4	7.4	11.0	6.4	6.7	10.7
Naphthalene	10	µg/L	**20 J**	**140**	**296**	486	**405**	**653**	**449**	**431**	**401**	**608**
Phenanthrene	50	µg/L	1.3 J	2	1.6	2.4	1.8	2.3	1.7	2.5	1.7	2.5
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	**420**	190	63	62	74	61	150	110	110	75

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-11

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	0.11	ND	ND	ND	**0.11**	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	**0.14**	ND	ND	ND	**0.11**	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	0.13	ND	**0.12**	ND	**0.16**	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	**0.12**	ND	**0.15**	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.87	0.36	0.18	ND	0.32	0.13	ND	0.20
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	0.099	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	**250**	**310**	160	**270**	150	200	**310**	170	110	**310**

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-12R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**2,600**	**2,900**	**1,420**	**2,440**	**2,470**	**2,520**	**2,320**	**1,920**	**1,650**	**1,650**
Ethylbenzene	5	µg/L	**130**	**110**	**67.6**	**86.7**	**87.3**	**104**	**103**	**98.2**	**73.8**	**80.8**
Toluene	5	µg/L	**7.4**	**15**	**5.8**	**13.8**	**16.1**	**13.2**	**15.7**	**11.4**	**10.0**	**9.4**
Total Xylenes	5	µg/L	**49**	**83**	**27.8**	**58.1**	**70.0**	**72.4**	**75.6**	**66.8**	**53.8**	**52.8**
SVOCs												
Acenaphthene	20	µg/L	3.4	4	**104**	1.2	**1.4**	1.8	**1.5**	1.5	1.0	1.1
Acenaphthylene	- -	µg/L	4.8	7	1.9	1.5	2.9	3.0	3.2	3.0	2.1	2.2
Anthracene	50	µg/L	ND	ND	ND	0.098	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	0.3 J	0.24	0.20	0.20	ND	0.20	0.21	0.15	0.15
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	**31**	**92**	6.1	**19.7**	**52.7**	**39.5**	**66.2**	**34.6**	**33.2**	**18.3**
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	190	37	62	33	29	40	25	34	28	26

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-14R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**3.0**	**48**	1.0	ND	**1.6**	**1.8**	**2.8**	**1.4**	**9.1**	**1.6**
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	0.12	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.96	ND	ND	0.99	0.18	ND	0.29	0.20
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-15

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/24/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	0.15	ND	ND	ND	ND	NA	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	0.18	ND	ND	ND	ND	NA	ND	ND
Anthracene	50	µg/L	ND	ND	0.12	ND	ND	ND	ND	NA	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.28**	ND	ND	ND	ND	NA	**0.17**	ND
Benzo(a)pyrene	ND	µg/L	ND	**0.2 J**	**0.27**	ND	ND	ND	ND	NA	**0.19**	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	**0.2 J**	**0.29**	ND	ND	ND	ND	NA	**0.27**	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	0.2 J	0.13	ND	ND	ND	ND	NA	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	**0.11**	ND	ND	ND	ND	NA	**0.21**	ND
Chrysene	0.002	µg/L	ND	ND	**0.19**	ND	ND	ND	ND	NA	**0.14**	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	0.2 J	ND	ND	ND	ND	ND	NA	0.098	ND
Fluoranthene	50	µg/L	ND	ND	0.45	ND	ND	0.11	ND	NA	0.22	ND
Fluorene	50	µg/L	ND	0.3 J	0.13	ND	ND	ND	ND	NA	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**0.12**	ND	ND	ND	ND	NA	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.2	ND	ND	ND	ND	NA	ND	ND
Naphthalene	10	µg/L	ND	ND	1.0	0.27	ND	ND	ND	NA	ND	0.32
Phenanthrene	50	µg/L	ND	0.1 J	0.28	ND	ND	ND	ND	NA	ND	ND
Pyrene	50	µg/L	0.35 J	0.3 J	0.4	ND	ND	ND	ND	NA	0.20	ND
Inorganics												
Cyanide, Total	200	µg/L	ND	ND	15	ND	ND	ND	ND	NA	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

NA = Not Available

Table 2

Groundwater Analytical Data

MW-15RS

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/22/14	10/19/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	**750**	**170**	**4.8**	**9.7**	**49.6**	**79.0**	**57.9**	**26.1**	**97.0**	**3.1**
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	0.54 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.85	0.52	0.14	ND	0.18	0.18	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	160	64	67	41	51	54	68	67	56	60

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-17R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	ND	ND	ND	ND	**1.7**	**2.9**	**2.6**	ND	**1.7**	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	**0.18**	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.17**	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	0.35	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.13	0.37	0.21	1.9	0.17	0.13	0.19	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	0.44	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	0.23	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-19R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.30	0.12	ND	ND	0.14	ND	0.12	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Table 2

Groundwater Analytical Data

MW-20R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	09/25/14	10/18/17	07/14/20	10/01/20	04/15/21	10/20/21	04/14/22	10/20/22	04/27/23	10/18/23
BTEX												
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs												
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnapthalene	- -	µg/L	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	0.89	0.21	ND	0.21	ND	ND	ND	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics												
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Results are presented in units of micrograms per liter (µg/L).

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

J = Analyte was detected at a concentration less than the laboratory reporting limit

ND (<#) = Not detected above laboratory reporting limit. # represents the laboratory reporting limit.

Bolded = values indicate exceedance of the NYSDEC AWQS

Appendix A – Field Inspection Reports

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 10/18/2023 Time: 9:00
Technician: KL Weather: Cloudy 50

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

NYSDEC Brad Demo on site

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 7/13/2023 Time: 9:00
Technician: KL Weather: Sunny 76

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

City is onsite removing trees and debris around the old cheese factory. Walked the site with the crew to identify and markout the monitoring wells.

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 4/27/2023 Time: 8:30
Technician: KL Weather: Sunny 46

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS:

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS:
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

Site Management Plan Inspection Form
Ogdensburg (King Street)
Non-Owned Former MGP Site
Ogdensburg, New York
NYSDEC Site No. V00479

Date: 1/25/2023 Time: 9:45
Technician: KL Weather: Cloudy 22

Site Wide			
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO	COMMENTS:
Are the requirements of the Site Management Plan being met?	YES	NO	COMMENTS:
Any signs/evidence of use of the Site in a manner inconsistent with the deed restriction?	YES	NO	COMMENTS:

Site Wide - SLG Responsible to Maintain			
Perimeter Fence and Gates intact?	YES	NO	COMMENTS:
Have the lawns been mowed?	YES	NO	COMMENTS: winter

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:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO	COMMENTS:

NG Owned Property on Lake Street - Not part of the SMP				
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the lawns been mowed?	YES		NO	COMMENTS: winter
Conditon of the sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Condition of the site trees?	GOOD	FAIR	POOR	COMMENTS:
Are the boulders in place?	YES		NO	COMMENTS:

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

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-2(R)	YES	NO
MW-5R(R)	YES	NO
MW-8R	YES	NO
MW-9	YES	NO
MW-10R	YES	NO
MW-11	YES	NO
MW-12R	YES	NO
MW-14R	YES	NO
MW-15	YES	NO
MW-15RS	YES	NO
MW-17R	YES	NO
MW-19R	YES	NO
MW-20R	YES	NO

General Comments:

water bubbling out of manway. Installed a new gripper plug.

Appendix B – Well Sampling Field Data

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Semi-Annual Groundwater Sampling Event

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-2(R)	Yes	2"	2.27		6.35	
MW-5R(R)	Yes	2"	-0.05		24.30	
MW-8R	Yes	2"	1.75		20.92	MS/MSD
MW-9	Yes	2"	4.91		6.35	
MW-10R	Yes	2"	~~0.00~~	0.10	22.50	Field Duplicate
MW-11	Yes	2"	2.95		6.51	
MW-12R	Yes	2"	6.36		21.40	
MW-14R	Yes	2"	0.01		50.80	
MW-15	Yes	2"	7.38		9.04	
MW-15RS	Yes	1"	9.91		23.65	
MW-17R	Yes	2"	6.59		26.90	
MW-19R	Yes	2"	2.08		38.05	
MW-20R	Yes	2"	0.13		28.40	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-136690-221
Well Id. **MW-2(R)**

Date: 4/27/23
Weather: Sunny 60°
Time In: 1047 Time Out: 1125

Well Information

		TOC	Other
Depth to Water:	(feet)	2.27	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	4.08	
Volume of Water in Well:	(gal)	0.65	
Three Well Volumes:	(gal)	1.95	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1050	3.01	11.62	7.92	-283	0.619	2.0	1.68	0.395
1055	3.64	10.87	8.31	-317	0.581	0.0	0.80	0.371
1100	4.06	10.71	8.99	-315	0.475	3.9	0.67	0.308
1105	4.64	10.67	9.24	-309	0.471	0.0	0.68	0.306
1110	5.48	10.80	9.84	-299	0.426	0.0	2.00	0.277
1115	5.82	11.12	11.19	-295	0.516	0.5	5.27	0.335
1120	5.85	11.22	11.63	-283	0.690	10.0	4.40	0.452

Sampling Information:

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

Sample ID: **MW-2(R)-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1120 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-136690-221
Well Id. **MW-5R(R)**

Date: 4/27/23
Weather: Sunny 65°
Time In: 1128 Time Out: 1205

Well Information

		TOC	Other
Depth to Water:	(feet)	-0.05	
Depth to Bottom:	(feet)	24.30	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	24.35	
Volume of Water in Well:	(gal)	3.89	
Three Well Volumes:	(gal)	11.68	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1130	0.04	10.79	9.16	-322	0.683	6.7	1.68	0.436
1135	1.61	10.35	8.30	-339	0.652	0.0	0.67	0.421
1140	2.50	10.75	8.13	-341	0.657	0.0	0.61	0.420
1145	3.43	10.30	8.02	-338	0.657	0.0	0.63	0.420
1150	3.91	10.25	7.98	-336	0.657	0.0	0.64	0.420
1155	4.39	10.25	7.94	-334	0.657	0.0	0.63	0.420
1200	4.77	10.18	7.91	-332	0.658	0.0	0.64	0.421

Sampling Information:

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

Sample ID: **MW-5R(R)-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1200 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: AS
Job Number: 0603324-136690-221
Well Id. **MW-8R**

Date: 4/27/23
Weather: 49°F, sunny
Time In: 1055 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	1.75	
Depth to Bottom:	(feet)	20.92	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	19.17	
Volume of Water in Well:	(gal)	3.06	
Three Well Volumes:	(gal)	9.20	

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

Purging Information

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

Average Pumping Rate: 250 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1100	2.76	11.85	7.42	-109	1.134	11.3	6.13	0.741
1105	3.55	11.57	7.09	-148	0.771	1.5	8.01	0.494
1110	3.80	11.50	7.71	-164	0.761	0.0	10.03	0.487
1115	3.90	11.51	7.71	-169	0.762	0.0	9.34	0.487
1120	3.99	11.49	7.72	-177	0.761	0.4	8.11	0.487
1125	4.01	11.36	7.72	-182	0.758	4.3	5.22	0.485
1130	4.18	11.14	7.71	-185	0.758	7.7	3.02	0.485

Sampling Information:

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

6 - 100 ml ambers Yes [X] No [ ]
9 - 40 ml vials Yes [X] No [ ]
3 - 250 ml plastic Yes [X] No [ ]

MW-8R-MS-0423 **MW-8R-MSD-0423**
Sample ID: **MW-8R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1135 MS/MSD? Yes [X] No [ ]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: AJ
Job Number: 0603324-136690-221
Well Id. **MW-9**

Date: 4/27/22
Weather: 47°F, sunny
Time In: 1005 Time Out: 1050

Well Information

		TOC	Other
Depth to Water:	(feet)	4.91	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	1.44	
Volume of Water in Well:	(gal)	0.23	
Three Well Volumes:	(gal)	0.69	

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

Purging Information

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

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1010	5.35	9.96	8.82	-78	1.01	77.0	3.52	0.621
1015	5.41	10.68	7.27	-77	1.46	121	5.30	0.935
1020	5.41	10.84	7.24	-77	1.46	116	5.97	0.935
1025	5.41	11.11	7.21	-78	1.47	98.5	6.65	0.538
1030	5.41	11.51	7.22	-84	1.48	63.2	6.54	0.945
1035	5.41	11.87	7.26	-93	1.48	48.3	8.16	0.946
1040	5.41	12.06	7.25	-96	1.47	32.4	9.43	0.541

Sampling Information:

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

Sample ID: **MW-9-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1045 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: AJ
Job Number: 0603324-136690-221
Well Id. **MW-10R**

Date: 4/27/23
Weather: 44°F, sunny
Time In: 0915 Time Out: 1000

Well Information

		TOC	Other
Depth to Water:	(feet)	0.10	
Depth to Bottom:	(feet)	22.50	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.40	
Volume of Water in Well:	(gal)	3.58	
Three Well Volumes:	(gal)	10.7	

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

Purging Information

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

Average Pumping Rate: 250 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0920	0.70	10.26	10.34	-9	0.469	0.0	3.26	0.305
0925	0.90	9.98	10.35	-31	0.461	0.0	4.41	0.300
0930	1.15	9.63	10.34	-63	0.459	0.0	3.47	0.298
0935	1.45	9.54	10.34	-86	0.464	0.0	3.17	0.302
0940	1.78	9.54	10.32	-104	0.469	0.0	3.01	0.304
0945	2.05	9.65	10.26	-111	0.471	0.0	3.01	0.306
0950	2.20	9.72	10.21	-113	0.469	0.0	3.06	0.305

Sampling Information:

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

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

FD-0423
Sample ID: **MW-10R-0423** Duplicate? Yes [X] No [ ]
Sample Time: 0955 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-136690-221
Well Id. **MW-11**

Date: 4/27/23
Weather: Sunny 60°
Time In: 0915 Time Out: 0955

Well Information

		TOC	Other
Depth to Water:	(feet)	2.95	
Depth to Bottom:	(feet)	6.51	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	3.56	
Volume of Water in Well:	(gal)	0.56	
Three Well Volumes:	(gal)	1.7	

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

Purging Information

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

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0920	2.99	12.55	6.88	85	1.20	146	1.40	0.770
0925	2.99	12.35	6.71	91	1.21	129	1.13	0.776
0930	2.99	11.95	6.64	92	1.22	118	1.02	0.779
0935	2.99	11.97	6.61	93	1.22	113	0.96	0.779
0940	2.99	11.87	6.61	92	1.22	102	0.96	0.778
0945	2.99	11.46	6.61	92	1.23	93.9	0.92	0.786
0950	2.99	11.36	6.60	89	1.23	91.9	0.89	0.789

Sampling Information:

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

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

Sample ID: **MW-11-0423** Duplicate? Yes [ ] No [X]
Sample Time: 0950 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-136690-221
Well Id. **MW-12R**

Date: 4/27/23
Weather: Sunny 60°
Time In: 1001 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	6.36	
Depth to Bottom:	(feet)	21.40	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	15.04	
Volume of Water in Well:	(gal)	2.40	
Three Well Volumes:	(gal)	7.21	

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

Purging Information

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

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	7.38	12.58	7.41	-261	0.673	1.9	1.42	0.430
1010	8.60	11.73	7.42	-305	0.675	0.0	0.85	0.432
1015	9.31	11.88	7.43	-314	0.675	0.0	0.78	0.432
1020	9.91	11.71	7.45	-321	0.677	0.0	0.74	0.433
1025	10.40	11.72	7.46	-326	0.678	0.0	0.72	0.435
1030	10.81	11.77	7.47	-328	0.679	0.0	0.72	0.434
1035	11.20	11.91	7.48	-330	0.673	0.0	0.72	0.435

Sampling Information:

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

Sample ID: **MW-12R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1035 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: K
Job Number: 0603324-136690-221
Well Id. **MW-14R**

Date: 4/27/23
Weather: Sunny 46
Time In: 09:40 Time Out: 09:55

Well Information

		TOC	Other
Depth to Water:	(feet)	0.00	
Depth to Bottom:	(feet)	50.80	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	50.80	
Volume of Water in Well:	(gal)	8.12	
Three Well Volumes:	(gal)	24.39	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	250			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:20	0.00	13.52	7.56	-121	0.612	0.0	2.06	0.395
09:25	0.00	1.91	7.14	-149	0.652	0.0	0.66	0.417
09:30	0.00	12.01	7.05	-167	0.655	0.0	0.68	0.419
09:35	0.00	12.12	7.04	-183	0.655	0.0	0.65	0.411
09:40	0.00	12.10	7.07	-209	0.657	0.0	0.71	0.420
09:45	0.00	12.16	7.08	-229	0.656	0.0	0.96	0.420
09:50	0.00	12.16	7.11	-237	0.656	0.0	1.04	0.420

Sampling Information:

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

Sample ID: **MW-14R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 09:50 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: [illegible]
Job Number: 0603324-136690-221
Well Id. **MW-15**

Date: 4/27/23
Weather: PC 50
Time In: 12:05 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	7.38	
Depth to Bottom:	(feet)	9.04	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	~~1.66~~	1.66
Volume of Water in Well:	(gal)	~~0.265~~	0.265
Three Well Volumes:	(gal)	0.79	

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

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	> 100			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:10	7.10	12.14	6.77	-307	1.35	19.4	9.17	0.841
12:15	7.45	13.57	6.56	-267	0.904	194	8.32	0.527
12:20	7.85	14.00	6.52	-247	0.848	169	7.86	0.542
12:25	8.02	14.27	6.53	-240	0.832	87.9	2.56	0.532
12:30	8.16	14.47	6.52	-238	0.829	101	7.38	0.536
12:35	8.30	14.78	6.52	-236	0.849	136	7.18	0.543
12:40	8.41	15.06	6.49	-235	0.840	70.0	6.99	0.538

Sampling Information:

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

Sample ID: **MW-15-0423** Duplicate? Yes [ ] No [X]
Sample Time: 12:40 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: K
Job Number: 0603324-136690-221
Well Id. **MW-15RS**

Date: 4/27/17
Weather: PC 50
Time In: 10:55 Time Out: 12:05

Well Information

		TOC	Other
Depth to Water:	(feet)	9.91	
Depth to Bottom:	(feet)	23.65	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	13.74	
Volume of Water in Well:	(gal)	0.54	
Three Well Volumes:	(gal)	1.64	

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

Purging Information

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:30	1	15.82	6.78	-115	0.742	4.8	5.16	0.725
11:35		15.65	6.90	-260	1.24	4.6	0.95	0.795
11:40		15.42	6.85	-283	1.25	3.5	0.85	0.808
11:45		15.07	6.83	-300	1.23	2.1	1.26	0.795
11:50		14.86	6.80	-308	1.26	1.8	0.89	0.805
11:55		14.64	6.79	-317	1.26	4.7	2.96	0.809
12:00	15.33	14.54	6.78	-319	1.26	4.5	2.93	0.814

Sampling Information:

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

Sample ID: **MW-15RS-0423** Duplicate? Yes [ ] No [X]
Sample Time: 12:00 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: AJ
Job Number: 0603324-136690-221
Well Id. **MW-17R**

Date: 4/27/23
Weather: 52°F, partly cloudy
Time In: 1150 Time Out: 1235

Well Information

		TOC	Other
Depth to Water:	(feet)	6.59	
Depth to Bottom:	(feet)	26.90	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	20.31	
Volume of Water in Well:	(gal)	3.24	
Three Well Volumes:	(gal)	9.74	

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

Purging Information

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

Average Pumping Rate: 250 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [✓]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1155	7.51	16.54	7.67	-136	0.829	0.0	2.67	0.527
1200	8.25	9.95	7.59	-98	0.892	0.2	2.60	0.571
1205	8.66	9.67	7.50	-117	0.887	0.0	2.69	0.568
1210	8.89	9.59	7.48	-129	0.889	0.0	2.72	0.569
1215	9.06	9.75	7.49	-135	0.894	0.0	2.68	0.572
1220	9.20	9.98	7.49	-139	0.893	0.1	2.60	0.572
1225	9.21	10.09	7.49	-141	0.890	0.5	2.58	0.570

Sampling Information:

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

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

Sample ID: **MW-17R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 1230 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: VL
Job Number: 0603324-136690-221
Well Id. **MW-19R**

Date: 4/27/23
Weather: Sunny 50
Time In: 10:45 Time Out: 11:25

Well Information

		TOC	Other
Depth to Water:	(feet)	2.09	
Depth to Bottom:	(feet)	38.05	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	35.97	
Volume of Water in Well:	(gal)	5.75	
Three Well Volumes:	(gal)	17.26	

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

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:50	2.97	13.36	7.31	-92	0.611	79	2.57	0.395
10:55	4.93	12.47	7.28	-107	0.629	3.7	1.61	0.402
11:00	7.27	12.43	7.25	-104	0.628	2.5	0.93	0.402
11:05	8.65	12.45	7.27	-104	0.621	3.1	0.58	0.398
11:10	9.90	12.76	7.24	-103	0.620	2.6	0.52	0.396
11:15	11.72	12.83	7.21	-100	0.618	4.2	0.53	0.39
11:20	13.36	12.61	7.20	-94	0.617	1.9	0.51	0.395

Sampling Information:

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

Sample ID: **MW-19R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 11:20 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: IK
Job Number: 0603324-136690-221
Well Id. **MW-20R**

Date: 4/27/23
Weather: Sny 47
Time In: 09:55 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	0.13	
Depth to Bottom:	(feet)	28.40	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	28.27	
Volume of Water in Well:	(gal)	4.52	
Three Well Volumes:	(gal)	13.56	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0800	1.23	13.00	7.14	-178	0.665	4.8	1.75	0.428
10:05	3.40	11.77	7.05	-169	0.679	1.9	0.64	0.435
10:10	5.28	11.72	7.01	-166	0.679	0.9	0.58	0.435
10:15	6.90	11.76	7.02	-163	0.679	1.2	0.55	0.435
10:20	8.18	11.82	7.01	-160	0.677	4.8	0.47	0.433
10:25	9.01	11.93	7.01	-157	0.676	4.6	0.47	0.433
10:30	9.65	12.08	7.01	-154	0.678	1.7	0.42	0.434

Sampling Information:

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

Sample ID: **MW-20R-0423** Duplicate? Yes [ ] No [X]
Sample Time: 10:30 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A — Required Client Information:

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

Section B — Required Project Information:

Report To: Devin Shay (GES) dshay@gesonline.com
Report To: Tim Beaumont (GES) tbeaumont@gesonline.com
Purchase Order No.:
Project Name: National Grid - Ogdensburg King Street Ogdensburg, NY
Project Number: 0603324-136690-221-1106

Section C — Invoice Information:

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

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

SITE LOCATION: GA | L | OH | C | IL | OTHER

Section D — Required Client Information

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

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

ITEM #	Sample ID	Matrix Code	Sample Type (G=GRAB C=COMP)	Collected Date (Composite Start)	Collected Time (Composite Start)	Collected Date (Grab)	Collected Time (Grab)	Sample Temp at Collection	# of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX (8260C)	Requested Analysis: SVOCs (PAHs) (8270D)	Requested Analysis: Cyanide, Total (9012B)	Pace Project Number / Lab I.D.
1	MW-2(R)-0423	WT	G				11:20		6	2			3	1				3	2	1	
2	MW-5R(R)-0423	WT	G				12:00		6	2			3	1				3	2	1	
3	MW-8R-0423	WT	G				11:35		6	2			3	1				3	2	1	
4	MW-8R-MS-0423	WT	G				11:55		6	2			3	1				3	2	1	
5	MW-8R-MSD-0423	WT	G				11:35		6	2			3	1				3	2	1	
6	MW-9-0423	WT	G				10:45		6	2			3	1				3	2	1	
7	MW-10R-0423	WT	G				0955		6	2			3	1				3	2	1	
8	MW-11-0423	WT	G				09:50		6	2			3	1				3	2	1	
9	MW-12R-0423	WT	G				10:35		6	2			3	1				3	2	1	
10	MW-14R-0423	WT	G				09:40		6	2			3	1				3	2	1	
11	MW-15-0423	WT	G				12:40		6	2			3	1				3	2	1	
12	MW-15RS-0423	WT	G				12:40		6	2			3	1				3	2	1	
13	MW-17R-0423	WT	G				12:20		6	2			3	1				3	2	1	
14	MW-19R-0423	WT	G				11:20		6	2			3	1				3	2	1	
15	MW-20R-0423	WT	G				10:50		6	2			3	1				3	2	1	
16	FD-0423	WT	G				—		6	2			3	1				3	2	1	
17	Trip Blanks	WT	G						2				3					3			

Additional Comments:

SAMPLES WILL ARRIVE IN # COOLERS.

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

SPECIFIC EDD NAME:

NGOgdensburg-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	4/27/23	1520	[signature]	4/27	15:25

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alison Sadon
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM / DD / YY): 4/27/23

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-2(R)	Yes	2"	2.93		6.35	
MW-5R(R)	Yes	2"	2.22		24.30	
MW-8R	Yes	2"	2.05		20.92	MS/MSD
MW-9	Yes	2"	4.97		6.35	
MW-10R	Yes	2"	0.15		22.50	Field Duplicate
MW-11	Yes	2"	3.62		6.51	
MW-12R	Yes	2"	8.37		21.40	
MW-14R	Yes	2"	0.00		50.80	
MW-15	Yes	2"	7.57		9.04	
MW-15RS	Yes	1"	7.78		23.65	
MW-17R	Yes	2"	6.75		26.90	
MW-19R	Yes	2"	4.33		38.05	
MW-20R	Yes	2"	0.00		28.40	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: G. ERNST
Job Number: 0603400-136690-221
Well Id. **MW-2(R)**

Date: 10/18/23
Weather: Cloudy 50
Time In: 1220 Time Out: 1305

Well Information

		TOC	Other
Depth to Water:	(feet)	2.93	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	3.42	
Volume of Water in Well:	(gal)	0.55	
Three Well Volumes:	(gal)	1.64	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	3.49	16.25	7.52	-329	0.654	30.2	0.27	0.409
1230	4.34	16.44	7.56	-327	0.501	19.7	0.07	0.325
1235	5.62	16.52	7.72	-331	0.451	8.8	0.20	0.293
1240	6.30	16.61	8.19	-311	0.428	11.3	0.55	0.277
1245		DRIed @	12:42					
1250								
1255								

Sampling Information:

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

Sample ID: **MW-2(R)-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1300 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: G. Ernst
Job Number: 0603400-136690-221
Well Id. **MW-5R(R)**

Date: 10/18/23
Weather: Cloudy 50°s
Time In: 1120 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	2.22	
Depth to Bottom:	(feet)	24.30	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.08	
Volume of Water in Well:	(gal)	3.53	
Three Well Volumes:	(gal)	10.60	

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

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]		Grundfos Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]		Polyethylene [X]	
Sampling Method:		Bailer [ ]	Peristaltic [X]		Grundfos Pump [ ]	
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]	

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1140	3.90	15.78	7.57	-342	1.07	194	0.42	0.688
1145	5.62	15.68	7.60	-361	1.10	156	0.42	0.703
1150	6.49	15.55	7.60	-363	1.09	151	0.31	0.697
1155	7.20	15.40	7.58	-365	1.02	130	0.25	0.650
1200	7.73	15.32	7.56	-364	0.913	122	0.27	0.582
1205	8.19	15.09	7.55	-364	0.881	110	0.24	0.564
1210	8.50	15.10	7.54	-364	0.848	106	0.21	0.542

Sampling Information:

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

Sample ID: **MW-5R(R)-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1215 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Date: 10/19/23
Job Number: 0603400-136690-221
Weather: Cloudy 55
Well Id. **MW-8R**
Time In: 1128 Time Out: 1205

Well Information

		TOC	Other
Depth to Water:	(feet)	2.05	
Depth to Bottom:	(feet)	20.92	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	18.87	
Volume of Water in Well:	(gal)	3.01	
Three Well Volumes:	(gal)	9.05	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1130	2.82	17.17	7.40	-142	0.720	5.1	0.57	0.465
1135	4.15	16.41	7.28	-259	0.739	0.0	0.30	0.473
1140	4.59	16.43	7.29	-277	0.740	0.0	0.28	0.474
1145	4.90	16.42	7.29	-284	0.742	0.0	0.27	0.475
1150	6.05	16.38	7.30	-298	0.749	2.1	0.25	0.479
1155	6.45	16.27	7.29	-303	0.751	2.0	0.25	0.481
1200	6.72	16.17	7.29	-306	0.753	3.8	0.25	0.482

Sampling Information:

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

6 - 100 ml ambers Yes [X] No [ ]
9 - 40 ml vials Yes [X] No [ ]
3 - 250 ml plastic Yes [X] No [ ]

MW-8R-MS-1023 **MW-8R-MSD-1023**

Sample ID: **MW-8R-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1200 MS/MSD? Yes [X] No [ ]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-9**

Date: 10/19/23
Weather: 55 Sunny
Time In: 1033 Time Out: 1110

Well Information

		TOC	Other
Depth to Water:	(feet)	4.97	
Depth to Bottom:	(feet)	6.35	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	1.38	
Volume of Water in Well:	(gal)	0.22	
Three Well Volumes:	(gal)	0.66	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [/]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1035	5.40	17.62	8.12	-64	1.20	252	1.60	0.770
1040	5.74	17.47	6.98	-107	1.20	75.7	1.84	0.780
1045	5.81	17.38	6.87	-118	1.22	56.1	0.92	0.783
1050	5.85	17.39	6.85	-136	1.23	16.4	0.59	0.790
1055	6.01	17.40	6.84	-156	1.24	36.5	0.49	0.798
1100	6.07	17.36	6.84	-168	1.25	32.3	0.47	0.798
1105	6.12	17.40	6.84	-178	1.25	12.4	0.60	0.801

Sampling Information:

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

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

Sample ID: **MW-9-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1105 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-10R**

Date: 10/18/23
Weather: Cloudy 55°
Time In: 0936 Time Out: 1015

Well Information

		TOC	Other
Depth to Water:	(feet)	.15	
Depth to Bottom:	(feet)	22.50	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	22.35	
Volume of Water in Well:	(gal)	3.57	
Three Well Volumes:	(gal)	10.72	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0940	0.72	17.06	9.25	-152	0.530	0.0	2.55	0.340
0945	1.66	12.32	9.34	-198	0.536	0.0	0.74	0.344
0950	2.10	17.24	9.30	-217	0.623	0.0	0.56	0.400
0955	2.43	17.23	9.18	-221	0.648	0.0	0.49	0.415
1000	2.64	17.06	9.19	-230	0.684	0.0	0.46	0.438
1005	2.98	17.05	9.40	-243	0.697	0.0	0.41	0.446
1010	3.06	17.02	9.44	-244	0.699	0.0	0.40	0.447

Sampling Information:

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

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

FD-1023
Sample ID: **MW-10R-1023** Duplicate? Yes [X] No [ ]
Sample Time: 1010 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: G. ERNST
Job Number: 0603400-136690-221
Well Id. **MW-11**

Date: 10/18/23
Weather: PT cloudy 50°
Time In: 1025 Time Out: 1120

Well Information

		TOC	Other
Depth to Water:	(feet)	3.62	
Depth to Bottom:	(feet)	6.51	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	2.89	
Volume of Water in Well:	(gal)	0.46	
Three Well Volumes:	(gal)	1.39	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1035	3.77	15.08	7.71	-248	1.17	0.0	2.34	0.752
1040	4.05	14.95	7.51	-247	1.20	58.9	1.21	0.773
1045	4.14	14.84	7.35	-249	1.24	11.3	0.46	0.795
1050	4.17	14.82	7.25	-250	1.28	60.2	0.28	0.814
1055	4.21	14.81	7.20	-249	1.29	33.7	0.21	0.827
1100	4.22	14.81	7.16	-248	1.30	16.8	0.17	0.828
1105	4.24	14.79	7.12	-247	1.30	5.2	0.14	0.833

Sampling Information:

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

Sample ID: **MW-11-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1110 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: G. ERNST
Job Number: 0603400-136690-221
Well Id. **MW-12R**

Date: 10/18/23
Weather: PT Cloudy 50°s
Time In: 0930 Time Out: 1025

Well Information

		TOC	Other
Depth to Water:	(feet)	8.37	
Depth to Bottom:	(feet)	21.40	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	13.03	
Volume of Water in Well:	(gal)	2.08	
Three Well Volumes:	(gal)	6.25	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0945	9.38	14.65	7.61	-215	0.673	1.5	0.81	0.430
0950	11.13	14.60	7.47	-341	0.669	2.6	0.51	0.428
0955	12.04	14.67	7.49	-359	0.667	3.2	0.45	0.427
1000	13.28	14.87	7.54	-372	0.665	2.0	0.47	0.425
1005	14.56	15.09	7.52	-379	0.659	0.7	0.50	0.422
1010	15.65	15.23	7.51	-386	0.656	0.4	0.51	0.419
1015	16.70	15.37	7.49	-387	0.651	0.0	0.54	0.417

Sampling Information:

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

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

Sample ID: **MW-12R-1023**
Sample Time: 1020
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: KC
Job Number: 0603400-136690-221
Well Id. **MW-14R**

Date: 10/18/23
Weather: Cloudy 51
Time In: 09:45 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	0.00	
Depth to Bottom:	(feet)	50.80	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	50.80	
Volume of Water in Well:	(gal)	8.12	
Three Well Volumes:	(gal)	24.39	

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

Purging Information

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

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:50	0.00	14.87	0.92	172	0.579	3.4	11.17	0.371
09:55	0.00	13.77	2.07	63	0.577	1.2	9.58	0.369
10:00	0.00	13.47	3.06	-18	0.576	0.6	8.82	0.369
10:05	0.00	13.32	3.09	-46	0.577	0.0	8.07	0.370
10:10	0.00	13.18	2.85	-49	0.579	0.0	7.28	0.371
10:15	0.00	13.14	3.08	-73	0.580	0.0	6.51	0.371
10:20	0.00	13.13	3.72	-112	0.581	0.0	6.0	0.372

Sampling Information:

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

Sample ID: **MW-14R-1023** Duplicate? Yes [ ] No [X]
Sample Time: 10:20 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: K
Job Number: 0603400-136690-221
Well Id. **MW-15RS**

Date: 10/18/23
Weather: Cony 50
Time In: 12:15 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	7.78	
Depth to Bottom:	(feet)	23.65	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	15.87	
Volume of Water in Well:	(gal)	0.63	
Three Well Volumes:	(gal)	1.90	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:20		15.52	0.73	85	1.21	7.5	3.14	0.779
12:25		15.03	1.50	20	1.27	4.9	1.60	0.815
12:30		14.99	2.43	-35	1.28	4.2	1.56	0.823
12:35		14.91	3.10	-76	1.30	3.7	1.52	0.829
12:40		14.85	3.60	-106	1.31	3.7	1.62	0.839
12:45		14.78	4.03	-132	1.32	3.9	1.64	0.847
12:50	18.00	14.99	4.29	-145	1.32	3.5	1.76	0.846

Sampling Information:

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

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

Sample ID: **MW-15RS-1023** Duplicate? Yes [ ] No [X]
Sample Time: 12:50 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: Peter Lyon
Job Number: 0603400-136690-221
Well Id. **MW-17R**

Date: 10/18/23
Weather: 55° overcast
Time In: 1220 Time Out: 1305

Well Information

		TOC	Other
Depth to Water:	(feet)	6.75	
Depth to Bottom:	(feet)	26.90	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	20.15	
Volume of Water in Well:	(gal)	3.22	
Three Well Volumes:	(gal)	9.67	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [✓]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1230	2.53	15.75	7.58	-229	0.904	30.5	0.67	0.579
1235	8.28	15.58	7.30	-244	0.914	3.5	0.44	0.584
1240	9.02	15.55	7.18	-254	0.910	3.3	0.36	0.581
1245	9.51	15.55	7.12	-260	0.909	0.4	0.33	~~0.58~~ 0.580
1250	9.94	15.54	7.06	-262	0.898	1.2	0.32	0.574
1255	10.14	15.54	7.06	-262	0.893	0.8	0.31	0.571
1300	10.36	15.51	7.03	-260	0.892	1.7	0.32	0.571

Sampling Information:

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

Sample ID: **MW-17R-1023** Duplicate? Yes [ ] No [X]
Sample Time: 1300 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: VK
Job Number: 0603400-136690-221
Well Id. **MW-19R**

Date: 10/18/23
Weather: Cloudy 56
Time In: 11:05 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	4.33	
Depth to Bottom:	(feet)	38.05	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	33.72	
Volume of Water in Well:	(gal)	5.39	
Three Well Volumes:	(gal)	16.18	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2	Did well go dry?	Yes [ ]	No [X]

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:15	5.15	16.25	3.15	35	0.621	0.9	2.63	0.393
11:20	7.01	15.35	3.54	30	0.599	0.4	1.47	0.376
11:25	9.04	15.30	3.61	41	0.582	0.3	1.37	0.373
11:30	11.32	15.30	3.50	62	0.582	1.1	1.41	0.372
11:35	13.22	15.30	3.20	89	0.593	0.2	1.38	0.373
11:40	15.10	15.30	2.99	118	0.584	0.1	1.38	0.374
11:45	16.96	15.32	2.60	152	0.585	0.4	1.44	0.374

Sampling Information:

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

Sample ID: **MW-19R-1023** Duplicate? Yes [ ] No [X]
Sample Time: 11:45 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Laboratory: Pace Analytical
Greensburg, PA

Comments/Notes:

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: KC
Job Number: 0603400-136690-221
Well Id. **MW-20R**

Date: 10/18/23
Weather: PC 55
Time In: 10:25 Time Out: 11:05

Well Information

		TOC	Other
Depth to Water:	(feet)	0.00	
Depth to Bottom:	(feet)	28.40	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	28.40	
Volume of Water in Well:	(gal)	4.54	
Three Well Volumes:	(gal)	13.63	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	
Horiba U-52 Water Quality Meter Used?	Yes [X]	No [ ]			

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:30	0.00	15.25	4.06	-162	0.603	49.9	9.27	0.386
10:35	1.32	15.35	4.98	-141	0.615	4.7	9.22	0.394
10:40	3.75	15.72	4.80	-102	0.619	7.8	8.47	0.395
10:45	5.92	15.86	4.20	-63	0.618	17.0	7.84	0.395
10:50	7.42	15.89	4.18	-57	0.618	3.7	7.31	0.396
10:55	9.47	15.87	4.07	-51	0.615	3.1	6.92	0.393
11:00	10.72	15.87	4.11	-52	0.614	2.0	6.57	0.393

Sampling Information:

PH SENSOR CHECKED 3.76 ON 4.0

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

Sample ID: **MW-20R-1023** Duplicate? Yes [ ] No [X]
Sample Time: 11:00 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
King Street Non-Owned Former MGP Site
Ogdensburg, New York

Sampling Personnel: K
Job Number: 0603400-136690-221
Well Id. **MW-15**

Date: 10/18/23
Weather: Cloudy
Time In: 12:55 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	7.57	
Depth to Bottom:	(feet)	9.04	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	1.47	
Volume of Water in Well:	(gal)	0.24	
Three Well Volumes:	(gal)	0.71	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
13:00	7.63	15.39	4.15	-155	1.21	4.1	1.79	0.765
13:05	7.77	15.97	3.91	-77	0.950	4.0	1.52	0.607
13:10	7.96	16.17	3.95	-65	0.929	22.3	1.48	0.595
13:15	8.15	16.32	4.18	-70	0.922	6.8	1.60	0.590
13:20	8.31	16.38	4.50	-85	0.918	5.5	1.57	0.588
13:25	8.52	16.39	4.67	~~-91~~	0.912	~~60~~	1.58	0.587
13:30	8.62	16.39	4.69	-91	0.916	8.8	1.61	0.586

Sampling Information:

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

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

Sample ID: **MW-15-1023** Duplicate? Yes [ ] No [X]
Sample Time: 13:30 MS/MSD? Yes [ ] No [X]

Shipped: Pace Courier Pickup [X]
Ship to Pace [ ]

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical
www.pacelabs.com

Page: 1 of 1

Section A — Required Client Information:
- Company: GES - Syracuse
- Address: 5788 Northern Blvd, Suite 300
- East Syracuse, New York 13057
- Email To: dshay@gesonline.com
- Phone: [illegible] Fax: None
- Requested Due Date/TAT: Standard

Section B — Required Project Information:
- Report To: Devin Shay (GES) dshay@gesonline.com
- Report To: Jim Beaumont (GES) jbeaumont@gesonline.com
- Purchase Order No.:
- Project Name: National Grid - Ogdensburg King Street Ogdensburg, NY
- Project Number: 0603[illegible]-[illegible]-221 1163

Section C — Invoice Information:
- Attention: Accounts Payable [illegible]@gesonline.com
- Company Name: Groundwater & Environmental Services, Inc
- Address: 5788 Northern Blvd, Suite 300, East Syracuse, NY [illegible]
- Pace Quote Reference: [illegible]
- Pace Project Manager: Justin [illegible]
- Pace Profile #:

Semi-annual GWS

REGULATORY AGENCY: NPDES / GROUND WATER / DRINKING WATER / UST / RCRA / OTHER

Section D — Required Client Information

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	Preservatives		
1	MW-2(R)-1023	WT	G	10/18/23	12:00	2	3	1
2	MW-5R(R)-1023	WT	G		12:15	2	3	1
3	MW-8R-1023	WT	G		12:00	2	3	1
4	MW-8R-MS-1023	WT	G		12:00	2	3	1
5	MW-8R-MSD-1023	WT	G		12:00	2	3	1
6	MW-9-1023	WT	G		1105	2	3	1
7	MW-10R-1023	WT	G		10:10	2	3	1
8	MW-11-1023	WT	G		11:10	2	3	1
9	MW-12R-1023	WT	G		10:20	2	3	1
10	MW-14R-1023	WT	G		10:20	2	3	1
11	MW-15-1023	WT	G		13:30	2	3	1
12	MW-16R(R)-1023	WT	G		12:30	2	3	1
13	MW-17R-1023	WT	G		13:00	2	3	1
14	MW-18R-1023	WT	G		11:45	2	3	1
15	MW-20R-1023	WT	G		11:00	2	3	1
16	FD-[illegible]	WT	G		—	2	3	1
17	Trip Blanks	WT	G	↓	13:00		3	

Additional Comments:

SAMPLES WILL ARRIVE IN [illegible] COOLERS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
[signature]	10/18/23	14:00				

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

SPECIFIC EDD NAME:
NGOgdensburg-[illegible]-[illegible].zip

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: KEVIN LEO
SIGNATURE of SAMPLER: [signature] DATE Signed: 10/18/23

Appendix C – Data Usability Summary Report

Groundwater & Environmental Services, Inc.

708 North Main Street, Suite 201
Blacksburg, VA 24060

T. 800.662.5067

January 23, 2024

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

RE: Data Usability Summary Report for National Grid - Ogdensburg: Data Packages Pace Analytical Job No. 30632900, 30582832

Groundwater & Environmental Services, Inc. (GES) reviewed two data packages (Laboratory Project Numbers 30632900, 30582832) from Pace Analytical Services, Inc., for the analysis of groundwater samples collected on April 27, 2023 and October 10, 2023 from monitoring wells located at the at the National Grid Ogdensburg site. Collected samples included 13 aqueous samples in the spring and 13 aqueous samples in the fall event, as well as field quality samples including a trip blank and a field duplicate during each event. The samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), cyanide and polycyclic aromatic hydrocarbons (PAHs). The trip blanks were analyzed for volatiles with the site samples. The purpose of the trip blank is to determine if there is outside BTEX contamination caused by transporting the samples.

Analytical methodologies are those of the USEPA with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- 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

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

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

Table 1 – Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
MW-8R-1023	J+	Ethylbenzene Toluene m&p-Xylene	High MS/MSD recoveries
	J-	Cyanide	MS/MSD recoveries low
	J+	2-Methylnaphthalene Acenaphthene	MS/MSD recoveries high
	J	Phenanthrene	RPD exceeds maximum
MW-8R-0423	J	Benzo(a)pyrene Acenaphthylene Benzo(a)pyrene	
	J-	Phenanthrene Pyrene Fluoranthene Benzo(k)fluoranthene	MS/MSD recoveries <10%, positive detection
	J-	Benzo(b)fluoranthene	MS/MSD recoveries low, positive detection
MW-2(R)-0423 **MW-8R-0423** **MW-9-0423** **MW-10R-0423** **MW-12R-0423**	J-	Acenaphthene Fluorene	Low LCS/LCSD recoveries
MW-5R(R)-0423	UJ	Acenaphthene	
MW-11-0423 **MW-14R-0423** **MW-15-0423** **MW-15RS-0423** **MW-17-0423**	UJ	Acenaphthene Fluorene	
MW-5R(R)-0423	J-	Fluorene	

J-/UJ-: estimated detect/estimated non-detect with a possible low bias
R: Data unusable due to gross QC failure
J+: estimated detect with a possible high bias
J/UJ: estimated with an indeterminate bias

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater and instrumental tune fragmentations are within acceptance ranges for both events. For some samples, the concentrations exceeded the calibration curve, and were diluted prior to final quantification. Elevated reporting limits are provided for the MW-8R MS and MW-8R MSD samples.

Calibration standards show acceptable responses within analytical protocol and validation action limits for both events.

LCS/LCSD recoveries and relative percent differences (RPD) are within criteria for both events.

Surrogate and internal standard recoveries are within required limits for the spring event

and within limits for the fall event with the following exception:

- For the fall event, the field duplicate surrogate 2-Fluorobiphenyl recovered low indicating a possible low bias. Duplicate analysis indicates that the recovered COCs are within variance with the original sample, and no data is qualified.
- For the spring event, an MS/MSD was analyzed using **MW-8R-1023** as the matrix. Ethylbenzene, toluene, and m&p-xylene recovered high. Data is qualified as estimated with a possible high bias.

Qualifiers can be found int **Table 1.**

No MS/MSD was analyzed with the fall event.

The blind field duplicate correlations of **MW-10R-0423** were within the project specification of ≤25% for both sampling events.

Table 2a: VOCs Precision Calculations

Compound	MW-10R-0423	FD-0423	RPD
Benzene	1520	1480	2.7
Ethylbenzene	95.7	96.2	0.5
Toluene	172	170	1.2
Xylene (Total)	134	132	1.5

µg/L-microgram per liter RPD - relative percent difference

The blind field duplicate correlations of **MW-10R-1023** were within the project specification of ≤25% for both sampling events.

Table 2b: VOCs Precision Calculations

Compound	MW-10R-1022	FD-1022	RPD
Benzene	1990	1880	5.7
Ethylbenzene	128	124	3.2
Toluene	229	219	4.5
Xylene (Total)	164	156	5.0

µg/L-microgram per liter RPD - relative percent difference

Cyanide by EPA 9012B/NYDESC ASP

Holding times were met for both sampling events. Blanks, both laboratory and field-generated, show no contamination. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory control spike recoveries and precision indicate the method is within laboratory control.

For the spring and fall event, MS/MSDs were analyzed using **MW-8R.** For the spring event, the **FD-0423** sample was also utilized, for the fall event, sample **MW-20R-1023** was used.

Spring Event

For the spring event, the following non-compliances were noted for MW-8R-0423:

Low recoveries

Acenaphthylene & Fluoranthene recovered <10% in the MS and/or the MSD

RPDs outside of compliance

- Phenanthrene
- Pyrene
- Fluoranthene
- Benzo(a)pyrene
- Acenaphthylene

For associated data not previously qualified due to bias, the qualifier of estimated is applied. Validation qualifiers are noted in **Table 1.**

Fall Event

For the fall analysis MW-8R MS/MSD recoveries were below criteria (86%, 86%). The cyanide data for this sample is qualified as estimated with a possible low bias.

For the fall event, and MS/MSD was analyzed using MW-20R, both recoveries and RPDs were within criteria, no qualification was required.

The blind field duplicate correlations of **MW-10R-0423** were within project criteria. No data was qualified.

Table 3a: Cyanide Precision Calculations

Compound	MW-10R-0423	FD-0423	RPD
Cyanide	0.11	0.13	16.7

µg/L-microgram per liter *RPD - relative percent difference*

The blind field duplicate correlations of **MW-10R-1023** were within project criteria. No data was qualified.

Table 3b: Cyanide Precision Calculations

Compound	MW-10R-1023	FD-1023	RPD
Cyanide	*0.075*	*0.078*	*3.9*

µg/L-microgram per liter RPD - relative percent difference

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks reported no above RL concentrations.

Surrogates were within specification for all samples. Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines. Samples with high concentrations were run at dilution to allow accurate quantification. Some detection limits are elevated.

Spring Event

The spring event reported out-of-compliance LCS/LCSD results for the following analytes:

- Acenaphthene (65%) low
- Fluorene (66%) low

Samples with associated data are qualified as estimated detect with a possible low bias, or estimated non-detect. Qualifiers are noted in **Table 1.**

There were numerous low recoveries <10% in the spring MS/MSD pair. Although the recoveries indicate a very poor method efficacy, because there is positive data, the analyte concentrations are qualified as estimated with a low bias,

RPDs were >25% for multiple analytes as well. Associated data not previously qualified due to recovery is qualified as estimated due to precision issues.

Qualifiers are noted in **Table 1.**

Fall Event

The fall laboratory control spike recoveries and precision indicate the method is within laboratory control. Matrix spike and matrix spike associated with **MW-08R-1023** recoveries were within laboratory specified criteria, with the following exceptions:

- 2-Methylnapthalene and acenaphthene both reported high recoveries. Data is qualified as estimated with a possible high bias.
- Naphthalene reported a high recovery, but the original concentration > four times the spiking concentration, and data cannot be used to determine method efficacy.
- The RPD for phenanthrene reported outside laboratory criteria and the data is qualified as estimated with an indeterminate bias.

Data is qualified as noted in **Table 1.**

*The blind field duplicate correlations of **MW-10R-0423** were within project specification of RPD ≤ 25%, with the exception of naphthalene. Naphthalene is qualified as estimated with an indeterminate bias.*

Table 4a: PAH Precision Calculations

Compound	MW-10R-0422	FD-0422	RPD
Acenaphthene	29.2	26	11.6
Acenaphthylene	37.5	34	9.8
Anthracene	0.78	0.8	2.5
Fluorene	10.5	10.6	0.9
2-Methylnaphthalene	11.0	11.1	0.9
Naphthalene	449	647	36.1
Phenanthrene	1.7	1.8	5.7

*The blind field duplicate correlations of **MW-10R-1023** were within project specification of RPD ≤ 25%. No qualifications are required.*

Table 4b: PAH Precision Calculations

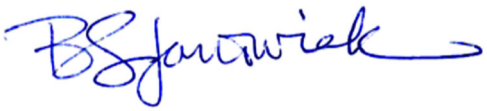
Compound	MW-10R	FD-1022	RPD
Acenaphthene	37.5	36.8	1.9
Acenaphthylene	46.6	45.0	3.5
Fluorene	16.2	16.3	0.6
2-Methylnaphthalene	6.4	6.0	6.5
Naphthalene	431	412	4.5
Phenanthrene	2.5	2.5	0.0

Data Package Completeness

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

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

Sincerely,



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

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

SAMPLE SUMMARY

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30582832001	**MW-2(R)-0423**	Water	04/27/23 11:20	04/28/23 09:50
30582832002	**MW-5R(R)-0423**	Water	04/27/23 12:00	04/28/23 09:50
30582832003	**MW-8R-0423**	Water	04/27/23 11:35	04/28/23 09:50
30582832004	**MW-8R-MS-0423**	Water	04/27/23 11:35	04/28/23 09:50
30582832005	**MW-8R-MSD-0423**	Water	04/27/23 11:35	04/28/23 09:50
30582832006	**MW-9-0423**	Water	04/27/23 10:45	04/28/23 09:50
30582832007	**MW-10R-0423**	Water	04/27/23 09:55	04/28/23 09:50
30582832008	**MW-11-0423**	Water	04/27/23 09:50	04/28/23 09:50
30582832009	**MW-12R-0423**	Water	04/27/23 10:35	04/28/23 09:50
30582832010	**MW-14R-0423**	Water	04/27/23 09:50	04/28/23 09:50
30582832011	**MW-15-0423**	Water	04/27/23 12:40	04/28/23 09:50
30582832012	**MW-15RS-0423**	Water	04/27/23 12:00	04/28/23 09:50
30582832013	**MW-17R-0423**	Water	04/27/23 12:30	04/28/23 09:50
30582832014	**MW-19R-0423**	Water	04/27/23 11:20	04/28/23 09:50
30582832015	**MW-20R-0423**	Water	04/27/23 10:30	04/28/23 09:50
30582832016	**FD-0423**	Water	04/27/23 00:00	04/28/23 09:50
30582832017	**Trip Blanks**	Water	04/27/23 00:00	04/28/23 09:50

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30582832001	**MW-2(R)-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832002	**MW-5R(R)-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832003	**MW-8R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	DO1, KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832004	**MW-8R-MS-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832005	**MW-8R-MSD-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832006	**MW-9-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	DO1, KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832007	**MW-10R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832008	**MW-11-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832009	**MW-12R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832010	**MW-14R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832011	**MW-15-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832012	**MW-15RS-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832013	**MW-17R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA

Pace Analytical Services, LLC
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Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832014	**MW-19R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832015	**MW-20R-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832016	**FD-0423**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C/5030C	KGG	7	PASI-MV
		EPA 9012B	CMT	1	PASI-PA
30582832017	**Trip Blanks**	EPA 8260C/5030C	KGG	7	PASI-MV

PASI-MV = Pace Analytical Services - Long Island
PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: May 11, 2023

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: 585422

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: 2843244)
  - Acenaphthene
  - Fluorene

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

QC Batch: 585422

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30582832003

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

- MSD (Lab ID: 2843246)
  - Naphthalene

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

PROJECT NARRATIVE

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: May 11, 2023

QC Batch: 585422

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30582832003

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

- MS (Lab ID: 2843245)
  - Acenaphthylene
  - Phenanthrene
- MSD (Lab ID: 2843246)
  - Benzo(a)anthracene
  - Benzo(k)fluoranthene
  - Fluoranthene
  - Phenanthrene
  - Pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2843246)
  - Acenaphthylene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(k)fluoranthene
  - Chrysene
  - Fluoranthene
  - Phenanthrene
  - Pyrene

Additional Comments:

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

PROJECT NARRATIVE

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: May 11, 2023

General Information:
17 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Long Island. 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:

Analyte Comments:

QC Batch: 304127

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MW-8R-MS-0423 (Lab ID: 30582832004)
  - Benzene
- MW-8R-MSD-0423 (Lab ID: 30582832005)
  - Benzene

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PROJECT NARRATIVE

Project: NG - Ogdensburg King Street
Pace Project No.: 30582832

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: May 11, 2023

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.

Additional Comments:

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

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SAMPLE SUMMARY

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30632900001	**MW-2(R)-1023**	Water	10/18/23 13:00	10/20/23 09:10
30632900002	**MW-5R(R)-1023**	Water	10/18/23 12:15	10/20/23 09:10
30632900003	**MW-8R-1023**	Water	10/18/23 12:00	10/20/23 09:10
30632900004	**MW-8R-MS-1023**	Water	10/18/23 12:00	10/20/23 09:10
30632900005	**MW-8R-MSD-1023**	Water	10/18/23 12:00	10/20/23 09:10
30632900006	**MW-9-1023**	Water	10/18/23 11:05	10/20/23 09:10
30632900007	**MW-10R-1023**	Water	10/18/23 10:10	10/20/23 09:10
30632900008	**MW-11-1023**	Water	10/18/23 11:10	10/20/23 09:10
30632900009	**MW-12R-1023**	Water	10/18/23 10:20	10/20/23 09:10
30632900010	**MW-14R-1023**	Water	10/18/23 10:20	10/20/23 09:10
30632900011	**MW-15-1023**	Water	10/18/23 13:30	10/20/23 09:10
30632900012	**MW-15RS-1023**	Water	10/18/23 12:50	10/20/23 09:10
30632900013	**MW-17R-1023**	Water	10/18/23 13:00	10/20/23 09:10
30632900014	**MW-19R-1023**	Water	10/18/23 11:45	10/20/23 09:10
30632900015	**MW-20R-1023**	Water	10/18/23 11:00	10/20/23 09:10
30632900016	**FD-1023**	Water	10/18/23 00:00	10/20/23 09:10

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SAMPLE ANALYTE COUNT

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30632900001	**MW-2(R)-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900002	**MW-5R(R)-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900003	**MW-8R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900004	**MW-8R-MS-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900005	**MW-8R-MSD-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900006	**MW-9-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900007	**MW-10R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900008	**MW-11-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900009	**MW-12R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900010	**MW-14R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900011	**MW-15-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900012	**MW-15RS-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900013	**MW-17R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900014	**MW-19R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900015	**MW-20R-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30632900016	**FD-1023**	EPA 8270D by SIM	DSC	19	PASI-PA
		EPA 8260C	JEW	10	PASI-PA
		EPA 9012B	CMT	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 31, 2023

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.

QC Batch: 624504

SR: Surrogate recovery was below laboratory control limits. Results may be biased low.

- FD-1023 (Lab ID: 30632900016)
  - 2-Fluorobiphenyl (S)

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: 624504

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30632900003

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

- MS (Lab ID: 3044384)
  - 2-Methylnaphthalene
  - Acenaphthylene
  - Naphthalene

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PROJECT NARRATIVE

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Method: **EPA 8270D by SIM**
Description: 8270D PAH SIM Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 31, 2023

QC Batch: 624504

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30632900003

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

- MSD (Lab ID: 3044385)
  - Naphthalene

R1: RPD value was outside control limits.

- MSD (Lab ID: 3044385)
  - 2-Methylnaphthalene
  - Naphthalene
  - Phenanthrene

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 31, 2023

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: 624309

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30632900003

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

- MS (Lab ID: 3043505)
  - Ethylbenzene
  - Toluene
  - m&p-Xylene

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Ogdensburg
Pace Project No.: 30632900

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 31, 2023

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: 625758

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30632900003,30632900015

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

- MS (Lab ID: 3050091)
  - Cyanide
- MSD (Lab ID: 3050092)
  - Cyanide

Additional Comments:

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