nationalgrid

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

July 11, 2024

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

Re: ***National Grid Watertown Former MGP Site***
Anthony Street
Watertown, New York
2024 Periodic Review Report

Dear Mr. Garland:

Enclosed for your review is the 2024 Periodic Review Report (PRR) for the National Grid Watertown Former MGP Site. The PRR pertains to the period from June 1, 2023 through June 1, 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- Watertown Former MGP Site (NYSDEC Site No. 623029)

Reporting Period – June 1, 2023 through June 1, 2024

I. Introduction

A. **Brief Site Summary** –

The Former Watertown Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 1.6-acre lot, approximately 150 feet southwest of City Center Drive, 200 feet northeast of Court Street, and 300 feet southwest of the Black River (refer to Figure 1, Site Location Map). The Site is currently occupied by the Empsall Plaza and another commercial building, and a portion of J.B. Wise Place, including a City of Watertown municipal parking lot/picnic pavilion. The MGP was constructed in or before 1884, and operated for approximately 25 years based on the review of the Sanborn maps. The MGP was apparently expanded in 1890 to include a purifying house; and again in 1902 with a third gas holder. MGP-related operations appear to have stopped between 1902 and 1909 with other businesses occupying some of the gas plant buildings. Between 1909 and 1949 all remnants of the MGP-related structures were removed, and between 1949 and 1971 Anthony Street was renamed J.B. Wise Place. The site was previously owned by a predecessor company to Niagara Mohawk Power Corporation.

A remedial investigation (RI), was conducted between 2004 and 2011 to determine the nature and extent of MGP-related impacts at the Site. The results of the RI are presented in detail in the NYSDEC-approved December 2012 RI Repot. Additionally National Grid's September 23, 2013 and February 24, 2016 letters to the NYSDEC presented the results of groundwater sampling events. The RI involved soil, bedrock and groundwater investigations, sewer line evaluation, soil vapor investigations, and riverbank investigations.

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. No off-site impacts to groundwater were found.

B. **Remedial Program Effectiveness** – During the reporting period (June 1, 2023 to June 1, 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 June 1, 2024 to June 1, 2025.

II. Site Overview

A. Site Location and Boundaries –

The Site is located approximately 150 feet southwest of City Center Drive, 200 feet northeast of Court Street, and 300 feet southwest of the Black River, in the City of Watertown, County of Jefferson, New York (Figure 1 presents the site location map). The Site is an approximate 1.6-acre area bounded by Black River Parkway to the north, privately-owned properties to the east, south and west. Currently, the property is occupied by the Empsall Plaza and another commercial building, and a portion of J.B. Wise Place, including a City of Watertown municipal parking lot/picnic pavilion.

B. Regulatory History and Remedy Features –

The Site was remediated between September 2008 and 2011 in accordance with the *Voluntary Consent Order #D0-0001-0011* and the NYSDEC Decision Document for the site issued on September 2, 2014. This PRR is being completed in compliance with Section 5.3 of the NYSDEC – approved Site Management Plan (SMP) for the project. A Deed of Covenants and Restrictions (DCR), dated February 21, 2018 and recorded on March 21, 2018, was placed on the City of Watertown, and shall be 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: Annual site inspection of the cover system includes identification of any damage to the cover (i.e., structures such as buildings and pavement). 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): 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 March 6, 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 June 1, 2024 to June 1, 2025.

VIII. Additional Guidance – In August 2023, a permanent fence was built by 259 JB Wise Partners under City of Watertown permit number F-2023-00352. A representative from GES was on-site during the augering of holes for the fence posts on August 17 and 18, 2023. No evidence of MGP-related impacts to soil were noted in any of the augered

holes. A site map depicting the location of the fence is provided as a figure in Attachment 3.

REFERENCES

Arcadis, 2017. "Site Management Plan, Watertown (Anthony Street) Former MGP Site", March 2017.

Attachment 1: Site Inspection Forms

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 3/21/2024 Time: 20:00

Technician: Kevin Leo Weather: Cloudy 19

General Site Wide Conditions		
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:
Excessive cracking or missing pavement?	No	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	No	COMMENTS:
Any repairs, maintenance or corrective actions since the last inspection?	No	COMMENTS:
Have the front lawns been mowed?	No	COMMENTS:
Conditon of the asphalt pavement	Good	COMMENTS:
Conditon of the front sidewalks?	Good	COMMENTS:
Conditon of the building foundations?	Good	COMMENTS:
Are the requirements of the SMP being met?	Yes	COMMENTS:
Are there any needed changes?	No	COMMENTS:
Are the site records complete and up to date?	Yes	COMMENTS:

Site Monitoring Wells	
Well ID.	***Location Secure***
MW-1	Yes
MW-2	Yes
MW-3	Yes
MW-3R	Yes
MW-4R	Yes
MW-5R	Yes
MW-6R	Yes
MW-7R	Yes

General Comments:

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 12/13/2023 Time: 8:00

Technician: KL Weather: Partly Cloudy 34

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES	NO		COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO		COMMENTS:
Any surface erosion?	YES	NO		COMMENTS:
Any settlement?	YES	NO		COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO		COMMENTS:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 9/20/2023 Time: 11:00

Technician: KL Weather: Sunny 64

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES		NO	COMMENTS: Fence installed August 2023
Any soil disturbance regardless of quantity/extent?	YES		NO	COMMENTS:
Any surface erosion?	YES		NO	COMMENTS:
Any settlement?	YES		NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES		NO	COMMENTS:
Excessive cracking or missing pavement?	YES		NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES		NO	COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS: repairs made
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Fence was installed in August 17-18,2023 with GES providing oversight.

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 6/28/2023 Time: 7:30

Technician: KL Weather: Rain 64

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES	NO		COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO		COMMENTS:
Any surface erosion?	YES	NO		COMMENTS:
Any settlement?	YES	NO		COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO		COMMENTS:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

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. 623029

Site Name NM - Anthony St. - Watertown MGP

Site Address: Anthony St Zip Code: 13601
City/Town: Watertown
County: Jefferson
Site Acreage: 1.600

Reporting Period: June 01, 2023 to June 01, 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? Restricted-Residential, 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. 623029 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
7-01-132.100	259 JB Wise Partners LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-134.1	Fun Xcape LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater

use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-137 City of Watertown

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

A Deed Restriction has been recorded for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and
engineering controls for the site and details the steps and media-specific requirements necessary
to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in
areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the provisions of the deed restriction including any land use, and groundwater
use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

7-01-144 HKBBE Apartments Housing DFC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

An Environmental Easement is required for the controlled property that a) requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls b) allows the use and development of the controlled property for restricted-residential, commercial and industrial uses, although land use is subject to local zoning laws c) restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH and d) requires compliance with the Department approved Site Management Plan.

A Site Management Plan is required which includes the following: a) an Institutional and Engineering Control Plan that identifies all use restrictions and
engineering controls for the site and details the steps and media-specific requirements necessary
to ensure the following institutional and/or engineering controls remain in place and effective b)an Excavation Plan which details the provisions for management of future excavations in
areas of remaining contamination c) a provision for further investigation and remediation if any of the existing buildings are demolished, or if the subsurface is otherwise made accessible d)descriptions of the

provisions of the deed restriction including any land use, and groundwater use restrictions e) the management and inspection of the identified engineering controls f) maintaining site access controls and Department notification f) the steps necessary for periodic reviews and certification of the institutional and engineering controls.

A Monitoring Plan is required to assess the current conditions at the site. The plan will include a) monitoring of groundwater to assess any change in the current conditions and b) a schedule of monitoring and frequency of submittals to the Department.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
7-01-132.100	Cover System Monitoring Wells Fencing/Access Control

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-134.1	Cover System Monitoring Wells

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-137	Cover System Monitoring Wells

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).

7-01-144	Cover System

A site cover currently exists and will be maintained to allow for restricted-residential use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed soil will exceed the applicable soil cleanup objectives (SCOs) for restricted residential use of the site. Where a soil cover is required it will be a minimum of two feet of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted-residential use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer.

Parcel	Engineering Control
Any fill material brought to the site will meet the requirements for restricted residential site use as set forth in 6 NYCRR Part 375-6.7(d).	

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. 623029

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

7/10/2024
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 Creasp, 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 for 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)

7/10/2024
Date

Attachment 3: Annual Monitoring Report

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

March 6, 2024

Mr. Tracey Garland
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
Anthony Street, Watertown, New York
Annual Groundwater Monitoring Report

Dear Mr. Garland:

Enclosed for your review is the 2023 Annual Groundwater Monitoring Report for the NG Watertown Former MGP Site.

Groundwater and Environmental Services, 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 (March, June, September and December). The site is generally in good shape and in compliance. There were detections of BTEX and/or PAH in five of the six 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 Watertown (Anthony Street) Former MGP Site
Anthony Street, Watertown NY13601

March 2024

Version 1

Annual Groundwater Monitoring Report

National Grid Watertown (Anthony St.) Former
MGP Site
Anthony Street
Watertown, NY 13601

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:
0603400.136010.221

Date:
March 6, 2024

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Figures

Tables

Appendices

1 Introduction

This Annual Groundwater Monitoring Report presents results from the activities conducted at the Watertown (Anthony Street) former non-owned manufactured gas plant (MGP) site located in Watertown, New York (the Site). A site location map is presented on **Figure 1**, and a site map is presented as **Figure 2**. The work summarized in this report is conducted in accordance with the Site Management Plan (SMP) for the Site, which was approved by the New York State Department of Environmental Conservation (NYSDEC) on March 17, 2017.

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

2 Annual Groundwater Monitoring

2.1 Objectives

The objectives of the June 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 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 amended April 2000 and June 2004.

2.2 Groundwater Well Gauging

The June 28, 2023 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-1, MW-2, MW-3, MW-3R, MW-4E, MW-5R, MW-6R and MW-7R. 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**, and are depicted on **Figure 3**. **Table 1** also includes groundwater elevation measurements obtained during previous groundwater monitoring events.

Groundwater generally flows to the north-northwest from the Site toward the Black River. Groundwater elevations ranged from 422.14 feet above sea level (asl; well MW-7R) to 438.78 feet asl (well MW-2). 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 six (6) monitoring wells on June 28, 2023 (including MW-2, MW-3R, MW-4R, MW-5R, MW-6R and MW-7R). 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), and 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 **Figure 4**. The Data Usability Summary Report (DUSR) is included in **Appendix C**.

There were BTEX and/or PAH detections in monitoring wells MW-3R, MW-4R, MW-5R, MW-6R, and MW-7R. 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, MW-3R, MW-4R, MW-5R, and MW-6R. As shown on **Table 2**, in general, BTEX, PAHs, and total cyanide detected in groundwater during the June 2023 sampling event are lower or consistent compared to previous sampling results.

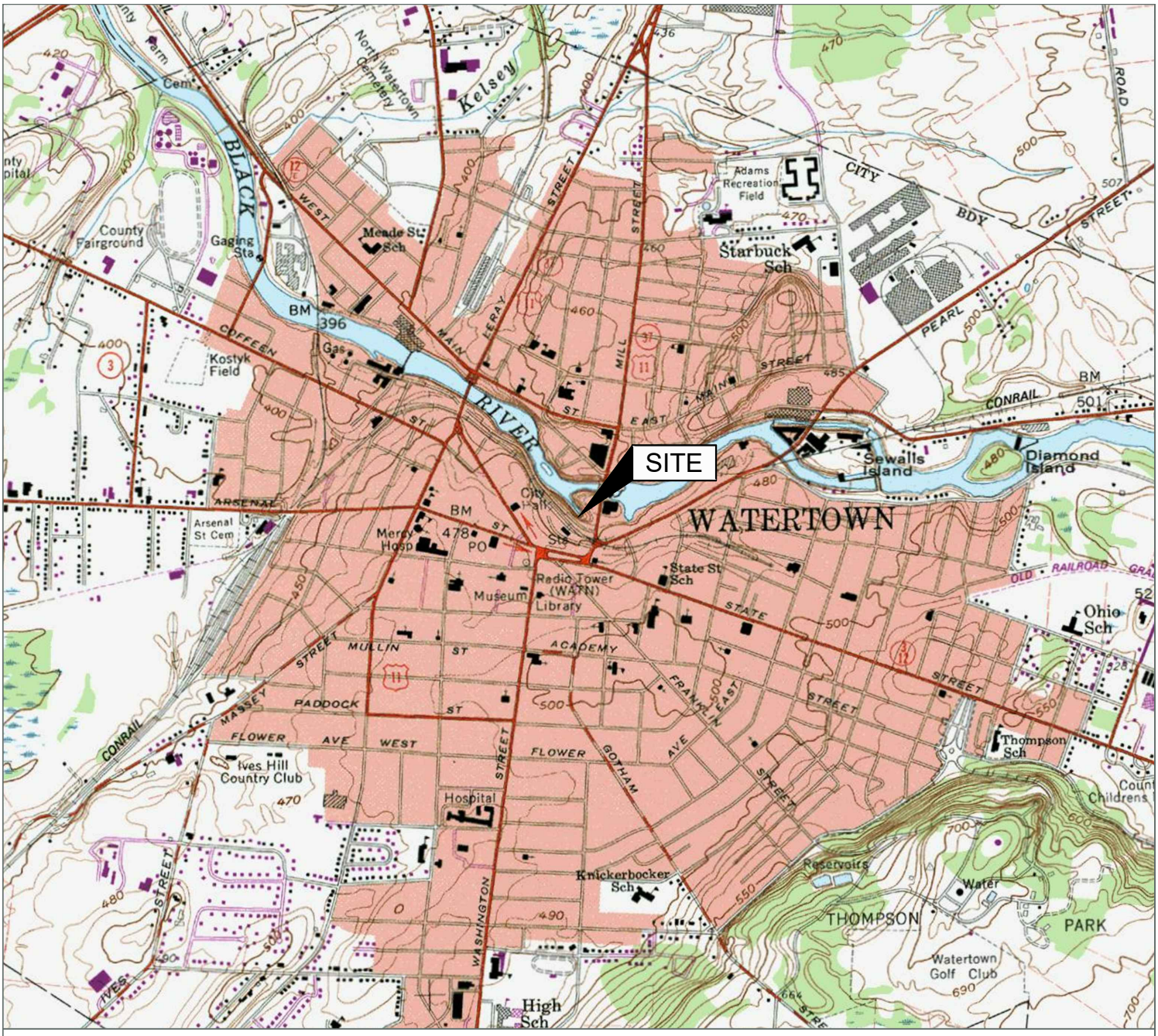
3 Quarterly Site-Wide Inspections

The quarterly site-wide inspections were completed on March 9, June 28, September 20, and December 13, 2023. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance. In August 2023, a fence was installed at the site and GES provided oversight during the excavation for the fence posts. No soil impacts were noted during the fence installation.

4 Recommendations

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

Figures



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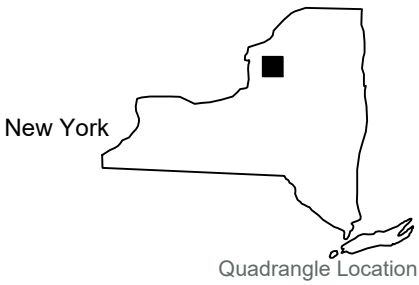
USGS 7.5 Minute Series
Topographic Quadrangle, 1982
Watertown, New York
Contour Interval = 10'



Site Location Map

National Grid
Anthony Street
Watertown, New York

Drawn
W.G.S.
Designed

Approved

Date
8/19/20
Figure
1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

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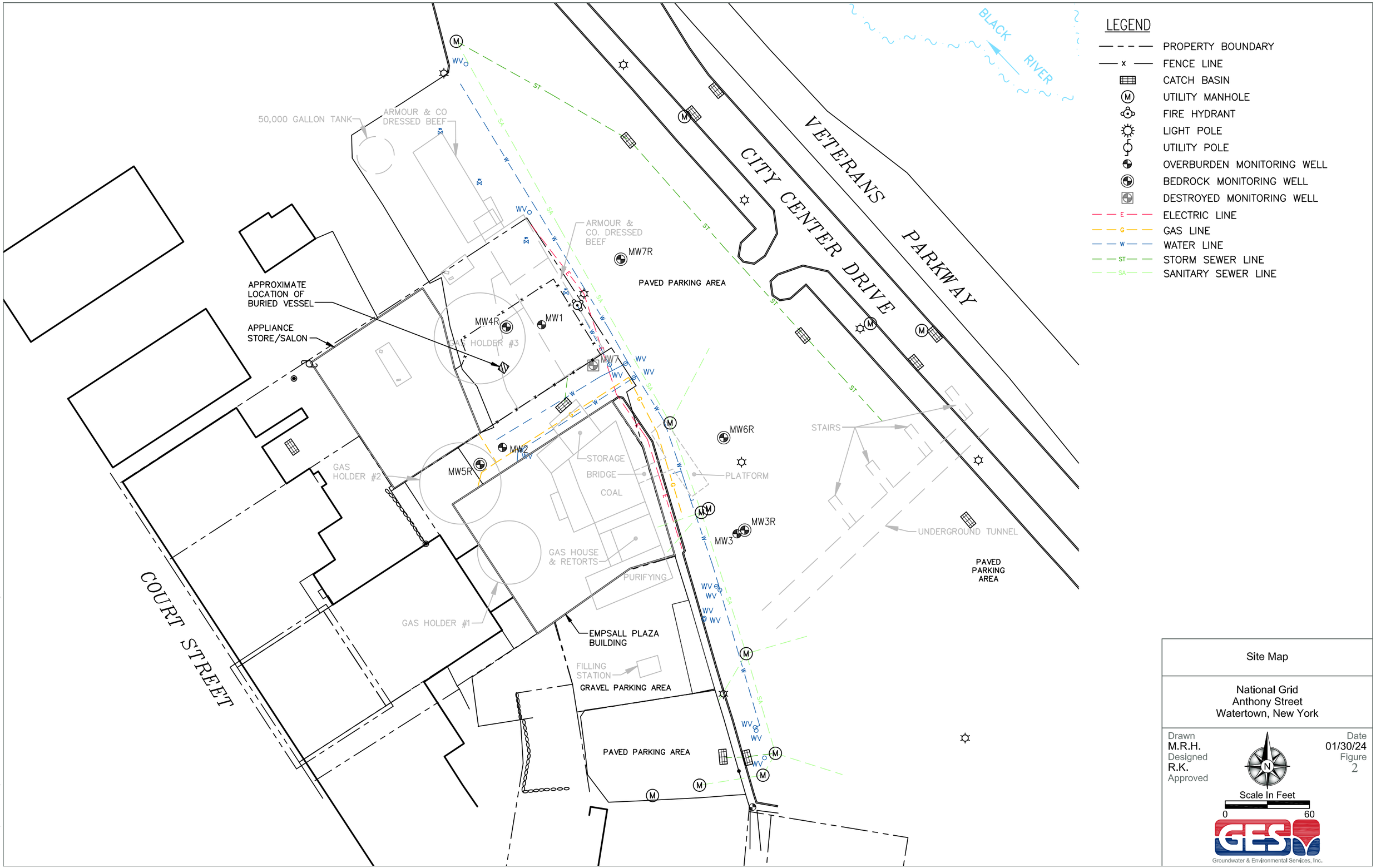

Site Map

National Grid
Anthony Street
Watertown, New York

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

Date
01/30/24
Figure
2

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

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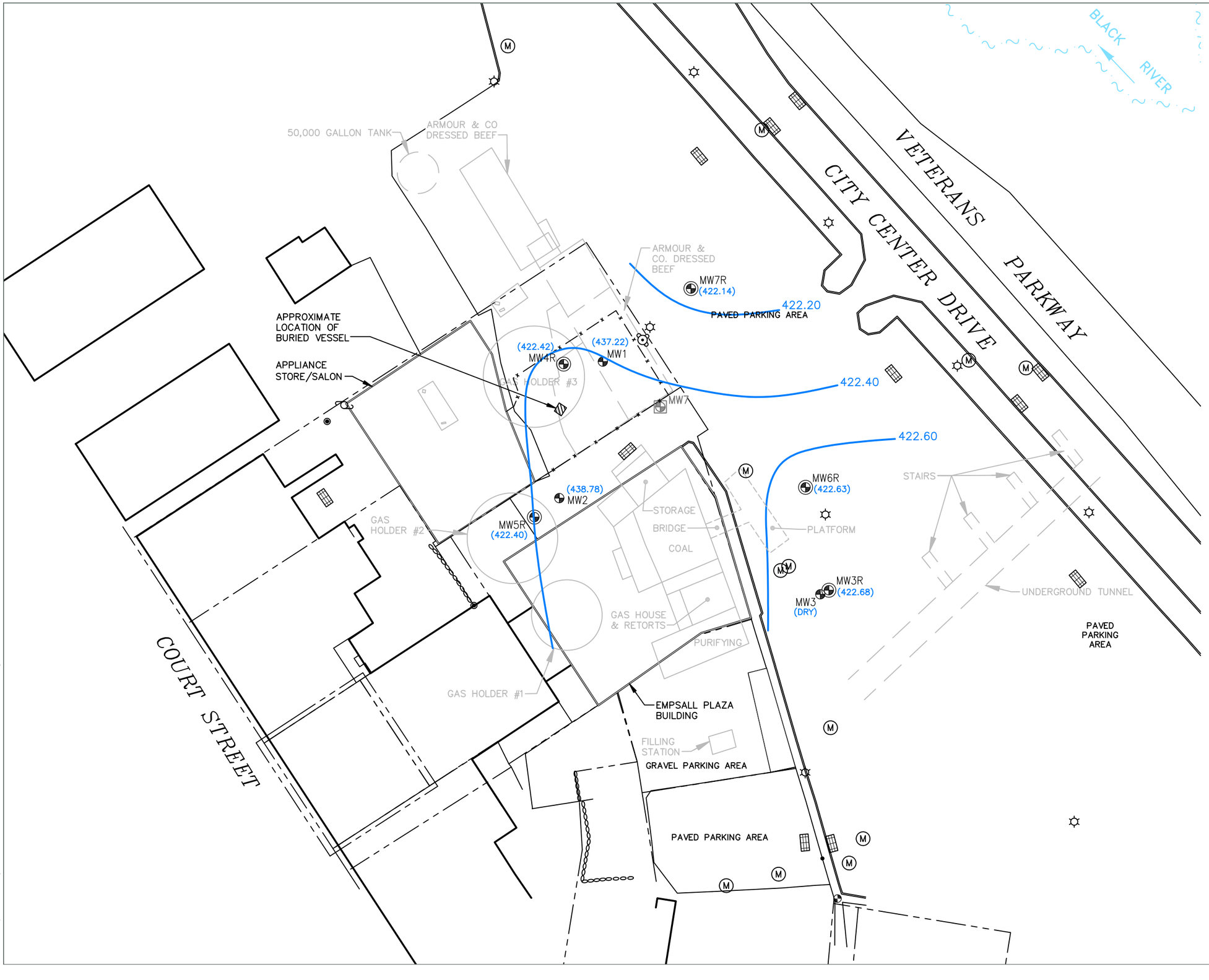

LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- CATCH BASIN
- UTILITY MANHOLE
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- DESTROYED MONITORING WELL
- (422.10) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)

NOTE:

MW1 AND MW2 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
June 28, 2023

National Grid
Anthony Street
Watertown, New York

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

Date 01/30/24
Figure 3

Scale In Feet
0 60

GES
Groundwater & Environmental Services, Inc.

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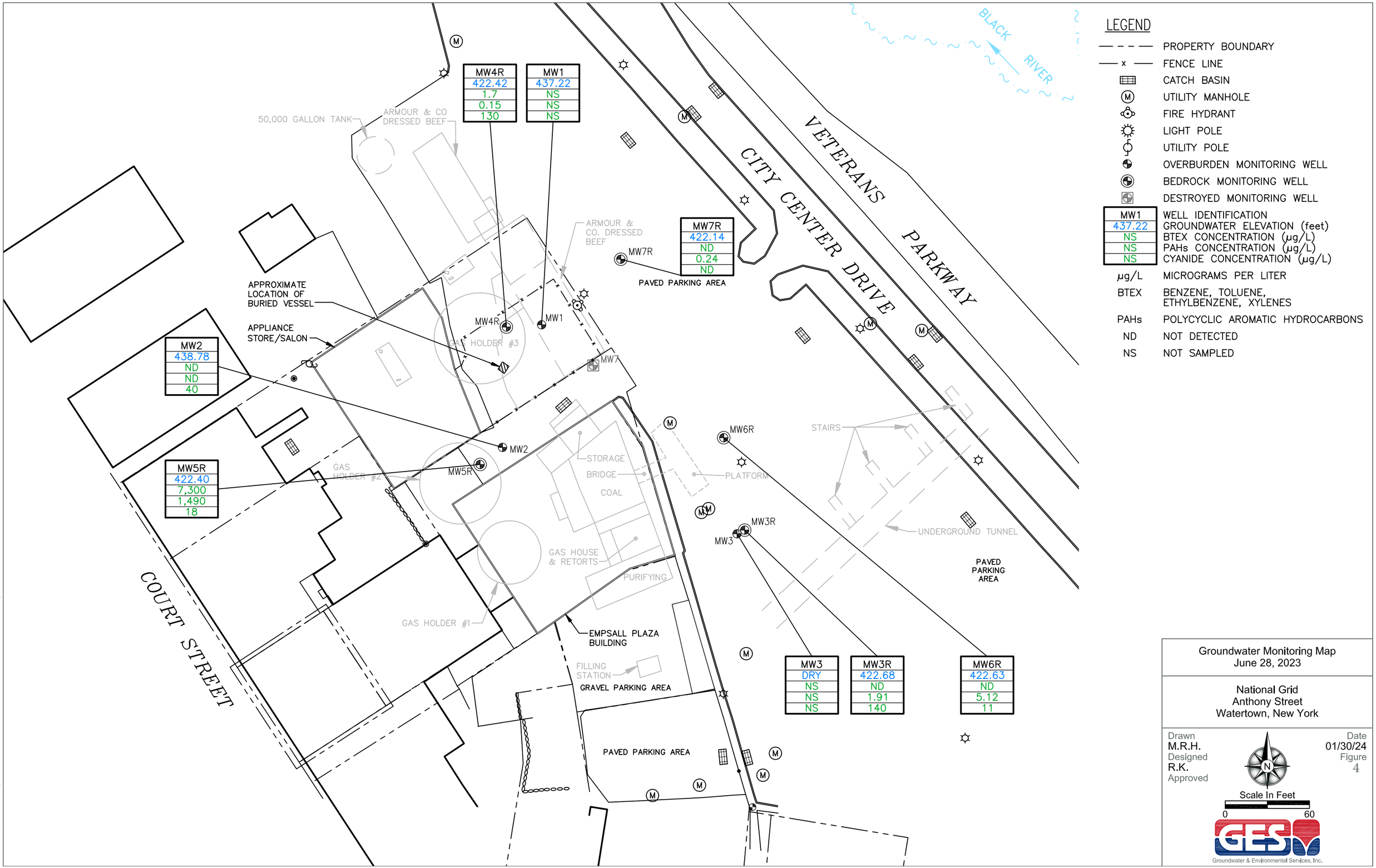

LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- CATCH BASIN
- UTILITY MANHOLE
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- DESTROYED MONITORING WELL

MW1	WELL IDENTIFICATION
437.22	GROUNDWATER ELEVATION (feet)
NS	BTEX CONCENTRATION (µg/L)
NS	PAHs CONCENTRATION (µg/L)
NS	CYANIDE CONCENTRATION (µg/L)

µg/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
ND	NOT DETECTED
NS	NOT SAMPLED

Groundwater Monitoring Map
June 28, 2023

National Grid
Anthony Street
Watertown, New York

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

Date
01/30/24
Figure
4

Scale In Feet
0 60

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (12/14/15	Groundwater Elevation (12/14/15)	Depth To Water (08/11/20)	Groundwater Elevation (08/11/20)	Depth To Water (06/23/21)	Groundwater Elevation (06/23/21)	Depth To Water (06/08/22)	Groundwater Elevation (06/08/22)	Depth To Water (06/28/23)	Groundwater Elevation (06/28/23)
MW-1	Flushmount; PVC; 2-inch	444.62	8.50	436.12	3.00 - 8.00	7.47	436.92	7.11	437.51	7.45	437.17	7.44	437.18	7.40	437.22
MW-2	Flushmount; PVC; 2-inch	444.60	8.50	436.10	3.00 - 8.00	6.00	438.35	5.68	438.92	5.52	439.08	5.30	439.30	5.82	438.78
MW-3	Flushmount; PVC; 2-inch	445.39	8.70	436.69	3.20 - 8.20	7.25	438.40	DRY	-	5.74	439.65	DRY	-	DRY	-
MW-3R	Flushmount; PVC; 2-inch	445.48	24.40	421.08	14.40 - 24.00	22.81	422.52	22.82	422.66	22.82	422.66	22.78	422.70	22.80	422.68
MW-4R	Flushmount; PVC; 2-inch	444.76	50.00	394.76	20.00 - 40.00	23.11	421.22	22.28	422.48	22.39	422.37	22.40	422.36	22.34	422.42
MW-5R	Flushmount; PVC; 2-inch	444.60	50.00	394.60	20.00 - 40.00	22.02	422.04	22.00	422.60	22.30	422.30	22.23	422.37	22.20	422.40
MW-6R	Flushmount; PVC; 2-inch	445.16	50.00	395.16	18.00 - 40.00	22.56	421.69	22.57	422.59	22.56	422.60	22.53	422.63	22.53	422.63
MW-7R	Flushmount; PVC; 2-inch	443.60	45.00	398.60	18.00 - 40.00	21.45	421.67	21.40	422.20	21.48	422.12	21.45	422.15	21.46	422.14

Table 2

Groundwater Analytical Data

MW-1

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/27/05	09/08/10	06/25/13	12/15/15	08/11/20
BTEX			ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND
SVOCs			ND	ND	6.8 J	ND	0.95
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	**0.86 J**	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	0.79 J	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	**1.1 J**	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	**0.78 J**	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND
Fluorene	50	µg/L	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	ND	ND	ND	ND	0.95
Phenanthrene	50	µg/L	ND	ND	0.77 J	ND	ND
Pyrene	50	µg/L	ND	ND	1.2 J	ND	ND
Inorganics							
Cyanide, Total	200	µg/L	**744**	**596**	**210**	31	150

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-2

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/27/05	10/15/08	09/08/10	06/25/13	12/14/15	08/11/20	06/23/21	06/08/22	06/28/23
BTEX			4.0 J	5.5 J	4.2	2.8	1.4	3.2	1.1	1.6	ND
Benzene	1	µg/L	**4.0 J**	**4.3**	**2.4**	**2.8**	**1.4**	**3.2**	**1.1**	**1.6**	ND
Ethylbenzene	5	µg/L	ND	0.90 J	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	1.8	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	4.3 J	2.4 J	ND	ND	1.3	1.1	0.50	ND
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	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
Benzo(a)pyrene	ND	µg/L	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
Benzo(g,h,i)perylene	- -	µg/L	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
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	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
Naphthalene	10	µg/L	ND	4.3 J	2.4 J	ND	ND	1.3	1.1	0.50	ND
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics											
Cyanide, Total	200	µg/L	98	90	127 J	61	50	70	43	52	40

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-3R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/15/08	09/08/10	06/23/13	12/14/15	08/11/20	06/28/23
BTEX			ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	1.1	1.91
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	**0.11**
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	**0.17**
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.33**
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	0.16
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	**0.27**
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	**0.15**
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	0.25
Fluorene	50	µg/L	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	**0.12**
Naphthalene	10	µg/L	ND	ND	ND	ND	1.1	0.15
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	0.20
Inorganics								
Cyanide, Total	200	µg/L	2.5 J	ND	5.2 J	5.5 J	ND	140

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-4R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/07/10	06/26/13	12/14/15	08/11/20	06/23/21	06/08/22	06/28/23
BTEX			2,239	769	23.8	7.2 J	2.1	57.0	87.8	1.7
Benzene	1	µg/L	**1,200**	**670 D**	**22**	**7.2 J**	**2.1**	**55.5**	**79.8**	**1.7**
Ethylbenzene	5	µg/L	**510**	**51**	1.8	ND	ND	1.5	4.5	ND
Toluene	5	µg/L	**49**	**6.6**	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	**480**	**41**	ND	ND	ND	ND	3.5	3.5
SVOCs			443 J	16.89 J	ND	ND	1.14	2.3	1.9	0.15
Acenaphthene	20	µg/L	4.3 J	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	1.3 J	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
Naphthalene	10	µg/L	**430**	**16**	ND	ND	1.0	2.3	1.8	0.15
Phenanthrene	50	µg/L	6.9 J	0.89 J	ND	ND	0.14	ND	0.12	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics										
Cyanide, Total	200	µg/L	ND	ND	11	13	19	12	19	130

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

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/15/08	09/08/10	06/23/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23
BTEX			20,300	12,800	27,100	8,340	29,290	17,900	29,040	7,300
Benzene	1	µg/L	**3,800**	**4,200 D**	**6,600 D**	**3900**	**4,370**	**3,350**	**7,760**	**2,180**
Ethylbenzene	5	µg/L	**2,000**	**2,100 D**	**3,500 D**	**740**	**4,350**	**3,250**	**4,460**	**1,620**
Toluene	5	µg/L	**9,700**	**3,600 D**	**11,000 D**	**2600**	**13,200**	**6,720**	**10,400**	**1,480**
Total Xylenes	5	µg/L	**4,800**	**2,900 D**	**6,000 D**	**1100**	**7,370**	**4,580**	**6,420**	**2,020**
SVOCs			1,927 J	2,461 J	3,598 J	2,231 J	7,647	3,158	4,637	1,490
Acenaphthene	20	µg/L	**70 J**	**74**	**74 J**	**62 DJ**	**78.1**	**82.2**	**102**	**47.0**
Acenaphthylene	- -	µg/L	69 J	26	56 J	17 J	46.3	27.1	ND	4.4
Anthracene	50	µg/L	11 J	4.7	5.5 J	ND	4.4	3.8	4.2	1.6
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	1.0 J	ND	0.66 J	0.92	0.85	0.71	0.26
Fluorene	50	µg/L	41 J	29	32 J	21 J	29.1	27.8	ND	14.6
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	**ND**	ND	ND	ND	ND	ND
Naphthalene	10	µg/L	**1,700**	**2,300 D**	**3,400 D**	**2,200 D**	**7,460**	**2,990**	**4,530**	**1,410**
Phenanthrene	50	µg/L	36 J	26	30 J	20 J	27.8	25.2	ND	11.5
Pyrene	50	µg/L	ND	0.71 J	ND	0.56 J	0.74	0.70	0.55	0.20
Inorganics										
Cyanide, Total	200	µg/L	98	ND	180	89	86	96	92	18

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-6R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/08/10	06/25/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23
BTEX			ND	ND	0.52 J	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	0.52 J	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	8.58	3.4	1.7	5.12
Acenaphthene	20	µg/L	ND	ND	ND	ND	0.20	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	0.12	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	0.28	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.22**
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.43**
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	**0.14**	ND	ND	**0.80**
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	0.53
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.65**
Chrysene	0.002	µg/L	ND	ND	ND	ND	**0.19**	ND	ND	0.33
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	0.38	ND	ND	0.55
Fluorene	50	µg/L	ND	ND	ND	ND	0.59	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	**0.35**
Naphthalene	10	µg/L	ND	ND	ND	ND	3.7	3.4	1.7	0.62
Phenanthrene	50	µg/L	ND	ND	ND	ND	2.4	ND	ND	0.13
Pyrene	50	µg/L	ND	ND	ND	ND	0.58	ND	ND	0.51
Inorganics										
Cyanide, Total	200	µg/L	ND	ND	ND	ND	ND	ND	10	11

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-7R

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/16/08	09/07/10	06/25/13	12/15/15	08/11/20	06/23/21	06/08/22	06/28/23
BTEX			ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs			ND	ND	ND	ND	2.4	1.0	0.97	0.24
Acenaphthene	20	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	µg/L	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
Naphthalene	10	µg/L	ND	ND	ND	ND	2.4	1.0	0.97	0.24
Phenanthrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Inorganics										
Cyanide, Total	200	µg/L	3.1 J	ND	ND	30	ND	ND	12	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
Anthony Street
Former MGP Site
Watertown, New York

Date: 12/13/2023 Time: 8:00

Technician: KL Weather: Partly Cloudy 34

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES	NO		COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO		COMMENTS:
Any surface erosion?	YES	NO		COMMENTS:
Any settlement?	YES	NO		COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO		COMMENTS:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 9/20/2023 Time: 11:00

Technician: KL Weather: Sunny 64

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES		NO	COMMENTS: Fence installed August 2023
Any soil disturbance regardless of quantity/extent?	YES		NO	COMMENTS:
Any surface erosion?	YES		NO	COMMENTS:
Any settlement?	YES		NO	COMMENTS:
Bare or sparsely-vegetated areas?	YES		NO	COMMENTS:
Excessive cracking or missing pavement?	YES		NO	COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES		NO	COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES		NO	COMMENTS:
Have the front lawns been mowed?	YES		NO	COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS: repairs made
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES		NO	COMMENTS:
Are there any needed changes?	YES		NO	COMMENTS:
Are the site records complete and up to date?	YES		NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Fence was installed in August 17-18,2023 with GES providing oversight.

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 6/28/2023 Time: 7:30

Technician: KL Weather: Rain 64

General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES	NO		COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO		COMMENTS:
Any surface erosion?	YES	NO		COMMENTS:
Any settlement?	YES	NO		COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO		COMMENTS:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS:
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Building Owner Dan Queri 315-430-5407

Site Management Plan Inspection Form
Anthony Street
Former MGP Site
Watertown, New York

Date: 3/9/2023 Time: 7:45

Technician: KL Weather: Cloudy 28

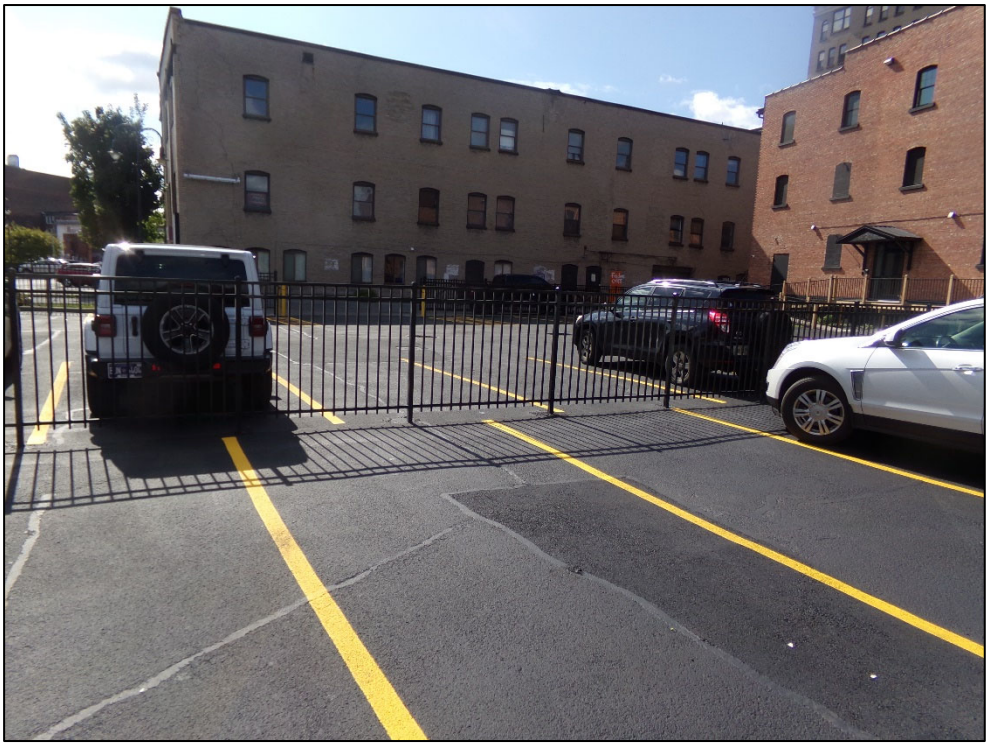
General Site Wide Conditions				
Any signs of ground-intrusive activities?	YES	NO		COMMENTS:
Any soil disturbance regardless of quantity/extent?	YES	NO		COMMENTS:
Any surface erosion?	YES	NO		COMMENTS:
Any settlement?	YES	NO		COMMENTS:
Bare or sparsely-vegetated areas?	YES	NO		COMMENTS:
Excessive cracking or missing pavement?	YES	NO		COMMENTS:
Any other conditions affecting the thickness or the integrity of the soil cover system?	YES	NO		COMMENTS:
Any repairs, maintenace or corrective actions since the last inspection?	YES	NO		COMMENTS:
Have the front lawns been mowed?	YES	NO		COMMENTS: winter
Conditon of the asphalt pavement	GOOD	FAIR	POOR	COMMENTS:
Conditon of the front sidewalks?	GOOD	FAIR	POOR	COMMENTS:
Conditon of the building foundations?	GOOD	FAIR	POOR	COMMENTS:
Are the requirements of the SMP being met?	YES	NO		COMMENTS:
Are there any needed changes?	YES	NO		COMMENTS:
Are the site records complete and up to date?	YES	NO		COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
MW-1	YES	NO
MW-2	YES	NO
MW-3	YES	NO
MW-3R	YES	NO
MW-4R	YES	NO
MW-5R	YES	NO
MW-6R	YES	NO
MW-7R	YES	NO

General Comments:

Site Conditions on March 9, 2023

Fence Installation on August 18, 2023



Site Conditions on September 20, 2023

Site Conditions on December 13, 2023

Appendix B – Well Sampling Field Data

Well ID	Sample?	Well Size	DTW	DTP	DTB	Comments
MW-1	Yes	2"	7.90		7.85	NO SAMPLE
MW-2	Yes	2"	5.82		7.30	Field Duplicate
MW-3	Yes	2"	5.76	DRY	5.76	NO SAMPLE historically dry
MW-3R	Yes	2"	22.80		23.30	
MW-4R	Yes	2"	22.34		44.80	MS/MSD
MW-5R	Yes	2"	22.20		44.45	~~Field Duplicate~~
MW-6R	Yes	2"	22.53		45.00	
MW-7R	Yes	2"	21.46		45.05	

DTW *-depth to water*

DTP *-depth to product*

DTB *-depth to bottom*

National Grid
Anthony Street, Watertown New York

Sampling Personnel:

Date: 6/28/23

Job Number: 0603324-136010-221

Weather: Cloudy

Well Id. **MW-1**

Time In: 1010 Time Out: 1030

Well Information

		TOC	Other
Depth to Water:	(feet)	7.40	
Depth to Bottom:	(feet)	7.85	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	0.45	
Volume of Water in Well:	(gal)	0.07	
Three Well Volumes:	(gal)	0.22	

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: Insufficient water in well, could not fill flow cell

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)	—			
Duration of Pumping:	(min)	—			
Total Volume Removed:	(gal)	—			

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)
1015								
1020								
1025								
1030								
1035								
1040								
1045								

Sampling Information:

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

Sample ID: **MW-1-0623** Duplicate? Yes [ ] No [X]

Sample Time: 0945 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: KL
Date: 6/28/23
Job Number: 0603324-136010-221
Weather: Cloudy 64
Well Id. **MW-2**
Time In: 09:00 Time Out: 09:50

Well Information

		TOC	Other
Depth to Water:	(feet)	5.82	
Depth to Bottom:	(feet)	7.30	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	1.48	
Volume of Water in Well:	(gal)	0.23	
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)	7			

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)
9:10	5.88	19.65	8.80	191	0.531	38.0	9.59	0.335
9:15	6.20	19.66	8.45	207	0.496	41.3	9.13	0.322
9:20	6.28	18.98	7.93	234	0.494	45.2	8.60	0.322
9:25	6.28	18.10	7.70	240	0.494	38.8	8.22	0.321
9:30	6.28	17.31	7.55	247	0.501	7.6	7.85	0.320
9:35	6.28	17.01	7.50	248	0.503	3.9	7.50	0.322
9:40	6.28	16.75	7.48	250	0.505	7.3	7.12	0.323

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100ml 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 [ ]

FD-0623

Sample ID: **MW-2-0623** Duplicate? Yes [X] No [ ]
Sample Time: 09:40 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: Peter Egan
Job Number: 0603324-136010-221
Well Id. **MW-3**

Date: 6/28/23
Weather: 60° overcast
Time In: 1000 Time Out: 10:15

Well Information

		TOC	Other
Depth to Water:	(feet)	~~22. Dry~~	
Depth to Bottom:	(feet)	5.76	
Depth to Product:	(feet)		
Length of Water Column:	(feet)		
Volume of Water in Well:	(gal)		
Three Well Volumes:	(gal)		

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)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

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)

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100ml 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-3-0623** Duplicate? Yes [ ] No [X]
Sample Time: No Sample MS/MSD? Yes [ ] No [X]

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

Comments/Notes: Well is Dry

Laboratory: Pace Analytical Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: Pete Lyon
Date: 6/28/23
Job Number: 0603324-136010-221
Weather: overcast 60°
Well Id. **MW-3R**
Time In: 0930 Time Out: 1035

Well Information

		TOC	Other
Depth to Water:	(feet)	22.80	
Depth to Bottom:	(feet)	23.30	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	0.5	
Volume of Water in Well:	(gal)	.08	
Three Well Volumes:	(gal)	0.24	

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)
1000	22.80	17.26	7.75	79	2.45	373	7.58	1.57
1005	22.80	16.46	7.57	104	2.42	426	7.10	1.55
1010	22.80	15.87	7.68	118	2.37	38.2	6.59	1.51
1015	22.80	15.69	7.71	126	2.34	45.3	6.40	1.50
1020	22.80	15.62	7.73	132	2.32	7.3	6.48	1.49
1025	22.80	15.61	7.76	135	2.31	5.3	6.40	1.48
1030	22.80	15.60	7.78	138	2.31	5.9	6.58	1.48

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100ml 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-3R-0623** Duplicate? Yes [ ] No [X]
Sample Time: 1030 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: G. Ernst
Date: 6/28/23
Job Number: 0603324-136010-221
Weather: Cloudy 60's
Well Id. **MW-4R**
Time In: 0900 Time Out: 1010

Well Information

		TOC	Other
Depth to Water:	(feet)	22.34	
Depth to Bottom:	(feet)	44.80	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	22.46	
Volume of Water in Well:	(gal)	3.59	
Three Well Volumes:	(gal)	10.8	

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)
0915	22.79	18.15	8.50	-105	2.44	1.8	2.47	1.58
0920	23.59	17.16	7.87	-126	2.58	2.7	1.89	1.65
0925	24.17	18.61	7.74	-133	2.51	7.7	2.48	1.60
0930	24.67	18.41	7.70	-137	2.49	9.3	2.28	1.60
0935	25.43	18.18	7.55	-125	2.22	7.6	1.63	1.42
0940	25.93	18.08	7.39	-112	1.96	4.5	0.88	1.25
0945	26.38	17.97	7.30	-102	1.75	2.4	1.31	1.12

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

MW-4R-MS-0623 **MW-4R-MSD-0623**

Sample ID: **MW-4R-0623** Duplicate? Yes [ ] No [X]
Sample Time: 0950 MS/MSD? Yes [X] No [ ]

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: VL
Job Number: 0603324-136010-221
Well Id. **MW-5R**

Date: 6/29/23
Weather: Cloudy 64
Time In: 09:50 Time Out: 10:45

Well Information

		TOC	Other
Depth to Water:	(feet)	22.20	
Depth to Bottom:	(feet)	44.45	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	22.25	
Volume of Water in Well:	(gal)	3.56	
Three Well Volumes:	(gal)	10.68	

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)
10:05	22.43	16.84	7.28	20	0.846	32.3	3.01	0.547
10:10	22.58	16.57	7.27	-81	0.899	18.7	2.49	0.578
10:15	22.65	15.33	7.19	-117	1.12	6.0	2.45	0.717
10:20	22.75	15.20	7.15	-156	1.46	2.5	2.46	0.943
10:25	22.86	15.09	7.16	-184	1.68	2.8	2.46	1.08
10:30	22.94	14.94	7.18	-218	1.95	2.2	2.46	1.25
10:35	23.03	14.77	7.21	-253	2.11	3.0	2.42	1.36

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 [ ]

~~Field Duplicate 0623~~
Sample ID: **MW-5R-0623** Duplicate? ~~Yes [X] No [X]~~
Sample Time: 10:35 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical
Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: Peter Lyon
Date: 6/28/23
Job Number: 0603324-136010-221
Weather: 60° Overcast
Well Id. **MW-6R**
Time In: 1040 Time Out: 1120

Well Information

		TOC	Other
Depth to Water:	(feet)	22.53	
Depth to Bottom:	(feet)	45.00	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	22.47	
Volume of Water in Well:	(gal)	3.59	
Three Well Volumes:	(gal)	10.77	

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)
1045	22.53	15.44	7.45	-18	4.06	137	3.24	2.65
1050	22.53	15.13	7.54	-59	4.42	20.1	1.66	2.83
1055	22.53	14.96	7.55	0	4.42	13.2	1.41	2.83
1100	22.53	14.93	7.56	14	4.41	11.5	1.39	2.82
1105	22.53	14.88	7.57	34	4.40	10.1	1.39	2.82
1110	22.53	14.86	7.58	46	4.39	9.4	1.33	2.81
1115	22.53	14.74	7.58	49	4.40	9.3	1.29	2.82

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100ml 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-6R-0623** Duplicate? Yes [ ] No [X]
Sample Time: 1115 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

National Grid
Anthony Street, Watertown New York

Sampling Personnel: G. Ernst
Date: 6/28/23
Job Number: 0603324-136010-221
Weather: cloudy 60°s
Well Id. **MW-7R**
Time In: 1030 Time Out: 1115

Well Information

		TOC	Other
Depth to Water:	(feet)	21.46	
Depth to Bottom:	(feet)	45.05	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	23.59	
Volume of Water in Well:	(gal)	3.77	
Three Well Volumes:	(gal)	11.32	

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	21.49	18.44	7.42	96	3.69	98.6	4.32	2.36
1040	21.49	17.94	7.56	133	3.79	50.7	3.61	2.43
1045	21.49	17.72	7.58	145	3.81	58.4	3.56	2.44
1050	21.49	17.38	7.60	171	3.82	56.0	3.55	2.44
1055	21.49	17.17	7.60	193	3.83	43.7	3.55	2.45
1100	21.49	17.15	7.60	202	3.82	32.6	3.61	2.45
1105	21.49	17.06	7.60	210	3.79	33.4	3.72	2.42

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	2 - 100ml 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-7R-0623** Duplicate? Yes [ ] No [X]
Sample Time: 1110 MS/MSD? Yes [ ] No [X]

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

Comments/Notes:

Laboratory: Pace Analytical Greensburg, PA

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: GES - Syracuse	
Address: 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 - Watertown Anthony St, Watertown NY	
Project Number: 0603324-136010-221-1106	

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 #: Annual GWS	

REGULATORY AGENCY

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

SITE LOCATION ☐ STATE ☐ ☐ ☐ ☐ ☐ OTHER

Filtered (Y/N)

Requested Analysis:

Section D Required Client Information

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

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

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis: BTEX (8260C)	SVOCs (PAH) (8270D)	Cyanide, Total (9012B)	Pace Project Number / Lab I.D.
1	~~MW-1-0623~~	WT	G			6/28/23			6	3			3	1				3	2	1	
2	MW-2-0623	WT	G				5:32		6	2			3	1				3	2	1	
3	~~MW-3-0623~~	WT	G				~~10:20~~		6	2			3	1				3	2	1	
4	MW-3R-0623	WT	G				10:30		6	2			3	1				3	2	1	
5	MW-4R-0623	WT	G				09:50		6	2			3	1				3	2	1	
6	MW-4R-MS-0623	WT	G				09:50		6	2			3	1				3	2	1	
7	MW-4R-MSD-0623	WT	G				09:50		6	2			3	1				3	2	1	
8	MW-5R-0623	WT	G				10:35		6	2			3	1				3	2	1	
9	MW-6R-0623	WT	G				11:15		6	2			3	1				3	2	1	
10	MW-7R-0623	WT	G				11:10		6	2			3	1				3	2	1	
11	FD-0623	WT	G				—		6	2			3	1				3	2	1	
15	Trip Blanks	WT	G				11:20		2				3					3			
16		WT	G																		
17		WT	G																		

Additional Comments:

SAMPLES WILL ARRIVE IN # 1 COOLERS.

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

SPECIFIC EDD NAME:

NGWatertown-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	6/28/23	11:30	Pace Drop Box		

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (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: KEVIN LEO
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/28/23

\\svrrmt88-vm3\syracuse-01\Dashboard\Planning\949183.xlsm

Appendix C – Data Usability Summary Report

Groundwater
& Environmental Services, Inc.

701 N Main St. Suite 201 • Blacksburg, Virginia 24060 • (866) 756 0788

February 29, 2024

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

RE: Data Usability Summary Report for National Grid: Watertown, NY Site Data Package
Pace Analytical Job No. 30600526

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Project Number 30600526) from Pace Analytical Services, LLC in Greensburg, PA., for the analysis of groundwater samples collected on June 28, 2023 from monitoring wells located at the National Grid: Watertown, NY Site. Seven aqueous samples and a field duplicate were analyzed for volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), and cyanide. Methodologies utilized were those of the USEPA SW846 methods 8260C/8270D and SM 4500CN-E-2-11, with additional QC requirements of the NYSDEC ASP.

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

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

The items listed above which show deficiencies were discussed within the text of this narrative.

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

In addition, method and QC criteria specified in the NYSDEC ASP were implemented. All data are considered valid and acceptable except those analytes that have been qualified as unusable "R" (unreliable).

Table 1. Validation Qualifiers

Sample ID	Qualifier	Analyte	Reason for qualification
MW-4R	R	Cyanide	MS Recovery << 10%
MW-2 MW-3R MW-4R MW-7R FD	U at 0.11 ug/L U at 0.15 ug/L U at 0.15 ug/L U at 0.24 ug/L U at 0.12 ug/L	Naphthalene	Method blank detection
MW-3R	J	Benzo(b)fluoranthene Benzo(k)fluoranthene	
MW-6R	J- (detected) UJ (non-detected)	All SVOCS	

In summary, sample results were usable as reported, with qualifications and exceptions listed in Table 1.

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

BTEX Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times were met and instrumental tune fragmentations were within acceptance ranges.

There were no positive detections in the blanks.

Surrogate and internal standard recoveries were within required limits with the following exceptions:

- MW-6R-0623 (Lab ID: 30600526007)
  - 1,2-Dichloroethane-d4 (S) recovered high

No analytes reported positive detections. The possible high bias does not affect non-detect data.

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

MS/MSD recoveries and associated RPDs were within criteria.

The blind field duplicate correlations for MW-2R were not calculated, as there were no positive detections in either sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met.

Instrument resolution was insufficient to separate benzo(b)fluoranthene and benzo(k)fluoranthene. The analytes were reported as an isomeric pair. Where the data is positively reported, it is considered estimated.

Surrogate recovery was below laboratory control limits for the following samples:

- FD-0623 (Lab ID: 30600526009)
  - 2-Fluorobiphenyl (S)
- MW-6R-0623 (Lab ID: 30600526007)
  - 2-Fluorobiphenyl (S)

Results may be biased low.

Instrumental tune fragmentations were within acceptance ranges. Surrogate recoveries were within analytical and validation criteria.

Blanks show no contamination with the following exception:

- Naphthalene was reported in the method blank at 0.11 µg/L.

Compounds that reported naphthalene at less than 5 times the blank are qualified as estimated with a possible high bias.

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

LCS recoveries and RPDs were reported within acceptable ranges, with the exception of a high recovery of naphthalene, likely due to the same source as the method blank contamination. All naphthalene detections are qualified as estimated with a possible high bias.

MS/MSD recoveries and RPDs were reported within acceptable ranges.

The blind field duplicate correlations for MW-2R were not calculated, as there were no positive detections in either sample.

Total Cyanide by 9012B/ NYSDEC ASP

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable for the validated samples, with the flowing exceptions:

- Extremely low recovery of cyanide in the MS and MSD prepared from the sample MW-4R. Low recoveries significantly below initial concentration indicate a complete failure of the analysis. Cyanide is qualified as unusable (R) in MW-4R.

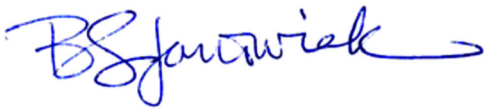
Calibration standard responses were compliant. Blanks show no detections above the reporting limits. The laboratory spikes and duplicates of total cyanide show acceptable recoveries and/or correlations.

The blind field duplicate correlations associated with MW-2R fall below the EPA recommended 30% for aqueous duplicate samples.

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.



Bonnie Janowiak, Ph.D.
Principal Environmental Chemist, NRCC Certified
701 N Main St
Blacksburg, VA 24060

VALIDATION DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

J The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.

J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.

UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

NJ The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Sample Summaries

and

Laboratory Case Narratives

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

SAMPLE SUMMARY

Project: National Grid - Watertown
Pace Project No.: 30600526

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30600526001	**MW-2-0623**	Water	06/28/23 09:40	06/29/23 09:20
30600526002	**MW-3R-0623**	Water	06/28/23 10:30	06/29/23 09:20
30600526003	**MW-4R-0623**	Water	06/28/23 09:50	06/29/23 09:20
30600526004	**MW-4R-MS-0623**	Water	06/28/23 09:50	06/29/23 09:20
30600526005	**MW-4R-MSD-0623**	Water	06/28/23 09:50	06/29/23 09:20
30600526006	**MW-5R-0623**	Water	06/28/23 10:35	06/29/23 09:20
30600526007	**MW-6R-0623**	Water	06/28/23 11:15	06/29/23 09:20
30600526008	**MW-7R-0623**	Water	06/28/23 11:10	06/29/23 09:20
30600526009	**FD-0623**	Water	06/28/23 00:00	06/29/23 09:20
30600526010	**Trip Blank**	Water	06/28/23 11:20	06/29/23 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: National Grid - Watertown
Pace Project No.: 30600526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30600526001	**MW-2-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526002	**MW-3R-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526003	**MW-4R-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526004	**MW-4R-MS-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526005	**MW-4R-MSD-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526006	**MW-5R-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526007	**MW-6R-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526008	**MW-7R-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526009	**FD-0623**	EPA 8270D by SIM	DSC	18	PASI-PA
		EPA 8260C	AJC	8	PASI-PA
		SM 4500CN-E-2011	CMT	1	PASI-PA
30600526010	**Trip Blank**	EPA 8260C	AJC	8	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

PROJECT NARRATIVE

Project: National Grid - Watertown
Pace Project No.: 30600526

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

General Information:
9 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: 599005

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

- FD-0623 (Lab ID: 30600526009)
  - 2-Fluorobiphenyl (S)
- MW-6R-0623 (Lab ID: 30600526007)
  - 2-Fluorobiphenyl (S)

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

QC Batch: 599005

B: Analyte was detected in the associated method blank.

- BLANK for HBN 599005 [OEXT/502 (Lab ID: 2911518)
  - Naphthalene

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.

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

PROJECT NARRATIVE

Project: National Grid - Watertown
Pace Project No.: 30600526

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

Additional Comments:

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

PROJECT NARRATIVE

Project: National Grid - Watertown
Pace Project No.: 30600526

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: July 11, 2023

General Information:
10 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.

QC Batch: 599939

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- MW-6R-0623 (Lab ID: 30600526007)
  - 1,2-Dichloroethane-d4 (S)

ST: Surrogate recovery was above laboratory control limits. Results may be biased high.

- MW-6R-0623 (Lab ID: 30600526007)
  - 1,2-Dichloroethane-d4 (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.

Additional Comments:

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

PROJECT NARRATIVE

Project: National Grid - Watertown
Pace Project No.: 30600526

Method: **SM 4500CN-E-2011**
Description: 4500-CN-E Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: July 11, 2023

General Information:
9 samples were analyzed for SM 4500CN-E-2011 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 SM 4500-CN-C-2011 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: 599013

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30600526003,30601006004

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

- MS (Lab ID: 2911558)
  - Cyanide
- MS (Lab ID: 2912054)
  - Cyanide
- MSD (Lab ID: 2911559)
  - Cyanide
- MSD (Lab ID: 2912055)
  - Cyanide

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 599013

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 2911576)
  - Cyanide

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS