nationalgrid

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

February 28, 2024

Michael Squire
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway – 11th Floor
Albany, NY 12233

Re: ***National Grid***
Little Falls (Mill Street) Non-Owned Former MGP Site
Little Falls, New York
2023 Groundwater and NAPL Monitoring Results
VCO Index No. D0-0001-0011
Site No. V00470

Dear Mr. Squire:

Attached for your information is the 2023 Groundwater Monitoring Report detailing the annual groundwater monitoring event and OM&M activities conducted from January 1, 2023, to December 31, 2023, at the National Grid Little Falls (Mill Street) Site. Site activities were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (ARCADIS; 2007) and Site Management Plan (ARCADIS; 2011).

The annual groundwater samples were collected on September 28, 2023. The results of this event indicate that the groundwater quality is consistent with previous sampling events.

Please contact me at 315-428-5652 if you have any questions.

Sincerely,

for SPS

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

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National Grid

2023 Groundwater Monitoring Report

National Grid Little Falls (Mill Street) Site
575 Mill Street
Little Falls, NY

February 2024

Version 1

2023 Groundwater Monitoring Report

National Grid Little Falls (Mill Street) Site
575 Mill Street
Little Falls, NY

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

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

GES Project:
0603400.125340.221

Date:
February 28, 2024

Devin Shay

Digitally signed by Devin Shay
Date: 2024.02.28 16:43:48 -05'00'

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

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Acronyms

AWQS	Ambient Water Quality Standards
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
DUSR	Data Usability Summary Report
FER	Final Engineering Report
GES	Groundwater & Environmental Services, Inc.
MGP	Manufactured Gas Plant
NAPL	Light Non-Aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operation, Maintenance, and Monitoring
Pace	Pace Analytical Services, LLC
RAWP	Remedial Action Work Plan
SMP	Site Management Plan
SVOC	Semi-volatile organic compound
TAL	Target Analyte List
TCL	Target Compound List
VOC	Volatile Organic Compound

1 Introduction

1.1 Overview

Groundwater & Environmental Services, Inc. (GES) has prepared this 2023 Groundwater Monitoring Report (covering January 1, 2023 – December 31, 2023) for the Little Falls (Mill Street) Site, Little Falls, New York**.** The groundwater and non-aqueous phase liquid (NAPL) monitoring activities described in this letter were completed as part of the post-remedial monitoring activities outlined in the New York State Department of Environmental Conservation- (NYSDEC) approved Remedial Action Work Plan (RAWP) prepared by ARCADIS of New York, Inc., (ARCADIS, 2007) and the Site Management Plan (SMP) (ARCADIS, 2011). The RAWP was approved in a letter dated March 11, 2008, from Mr. Bernard Franklin of the NYSDEC to Mr. James F. Morgan of National Grid. The SMP was approved in a letter dated May 5, 2011, from the NYSDEC to National Grid.

Groundwater monitoring has been conducted at the Site in order to evaluate the effectiveness of remedial activities previously completed at the Site and to monitor long-term groundwater quality trends. Currently, groundwater sampling at the Former MGP Site is performed on an annual basis.

The following Operation, Maintenance, and Monitoring (OM&M) activities conducted during this reporting period are summarized below:

- Quarterly site inspections, including checks on the Site structures, the exterior cover system, the interior Feldmeier Building concrete slab, riverbank, groundwater monitoring wells, NAPL wells, and storm-water features that could impact the remedy.
- Quarterly groundwater elevation data.
- Annual NAPL monitoring and collection, if necessary.
- Annual groundwater sampling, analysis and data validation. Water samples are submitted to Pace Analytical Services, LLC (Pace) for laboratory analysis of target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), and target analyte list (TAL) inorganics (including cyanide) for comparison to NYSDEC Ambient Water Quality Standards (AWQS).
- Any site maintenance that comes about as a result of the quarterly inspections.

1.2 Site Description

The Little Falls (Mill Street) Former Manufactured Gas Plant Site located in Little Falls, New York is comprised of approximately 6.5 acres of land and is currently owned by Feldmeier (refer to **Figure 1 – Site Location Map** and **Figure 2 – Site Map**). As shown on the figures, the Site is located north of the Mohawk River, east of George Lumber and Building Materials Company (George Lumber), south of East Mill Street, and west of the line of demarcation. The Site is located on the western portion of

the approximately 6.5-acre property and is occupied by a paved parking lot, and the western portion of a tank manufacturing building owned by Feldmeier. Some vegetated areas are present along the margins of the parking lot, and in the area south of the tank manufacturing building along the bank of the Mohawk River.

The remedial action plan in place at the site was substantially completed in August 2009. The Final Engineering Report (FER) was submitted to NYSDEC in October 2019, and written approval from NYSDEC was received on April 1, 2021.

2 Quarterly Site Inspections and Groundwater Monitoring Activities

2.1 Quarterly Site Inspections

GES conducted quarterly site inspections during this reporting period on March 3, June 13, September 28, and December 15, 2023.

In general, the Site is in good condition and in compliance. The exterior cover system is intact. No visible saw cutting, holes from burrowing animals, or evidence of any other intrusive activities were noted in 2023. The groundwater monitoring wells and NAPL wells are secured and operable.

It should be noted that four (4) piezometers that were part of the SMP requirements to conduct groundwater static level measurements were never located: PZ-102, PZ-103, PZ-105, and PZ-106. It is believed these piezometers have long since been removed or covered during Feldmeier site modifications (i.e., storage shed installation and/or asphalt/gravel road installation). National Grid believes there are ample groundwater wells for obtaining water table measurements and these four piezometers are not necessary. The new storage shed and existing wells were resurveyed in January 2016.

Appendix A includes the Quarterly Site Inspection Forms.

2.2 Groundwater Well Gauging

Groundwater level measurements are collected at the Site to accomplish the following:

- To determine the general groundwater flow direction on site.

Annual gauging field data is presented in **Table 1**. Based on the September 2023 groundwater level measurements, groundwater in the overburden/shallow bedrock beneath the Site flows to the south (which is consistent with the local groundwater flow direction observed during the RI and previous monitoring events). There is a groundwater depression observed near the Mohawk River near recovery well RW-3, where the groundwater is likely mimicking the drop in the bedrock surface as it approaches the Mohawk River. A potentiometric surface map for overburden/shallow bedrock groundwater developed from the September groundwater elevations is presented on **Figure 3**. Based on the September 2023 groundwater level measurements from the one deep bedrock well at the Site (well MW-101RD), an upward hydraulic gradient exists between the deep bedrock unit and the overburden/shallow rock unit at the Site, indicating that the groundwater from the deep bedrock unit likely discharges to the Mohawk River.

2.3 Annual NAPL Monitoring and Collection

Annual NAPL monitoring was conducted at on-site recovery wells RW-2, and RW-3, and monitoring wells B-MW-3, FWMW-1, FWMW-2, FWMW-3, FWMW-5, MW-101RD, MW-102R, and MW-103R. NAPL monitoring was not conducted at recovery well RW-1 due to shipping materials on top of it preventing access. NAPL observations were documented on the Site

inspection forms as presented in **Appendix A**. A summary of NAPL observations where NAPL was present from October 2011 through the 2023 monitoring event (including NAPL thickness measured for previous monitoring events) is presented below.

NAPL was not detected in during the September 2023.

Presence/Thickness of NAPL (in inches)

Well	Oct 2011	Dec 2011	June 2012	Dec 2012	Aug 2013	Dec 2013	June 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018
RW-1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
RW-2	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
RW-3	Trace	Trace	0.12	0.48	0.96	0.96	2.04	NP	NP	NP	Trace
MW-101RD	NP	NP	NP	NP	NP	Trace	NP	NP	NP	NP	NP

Well	Oct 2019	Sept 2020	Sept 2021	Sept 2022	Sept 2023
RW-1	NP	NP	NP	NA	NP
RW-2	NP	NP	NP	NP	NP
RW-3	NP	Trace	NP	0.6	NP
MW-101RD	NP	NP	NP	NP	NP

NP – NAPL was not present
NA – Not Accessible

2.4 Groundwater Well Sampling and Analysis

Groundwater samples were collected from eight (8) monitoring wells B-MW-3, FWMW-1, FWMW-2, FWMW-3, FWMW-5, MW-101RD, MW-102R, and MW-103R, on September 28, 2023. The wells were purged using a peristaltic pump. Field Measurements of pH, conductivity, turbidity, dissolved oxygen, temperature, total dissolved solids and oxidation-reduction potential were recorded using a Horiba U-52 water quality meter during sample collection. Samples were collected once field parameters stabilized. Field monitoring data and the chain-of-custody record are included in **Appendix B**.

Eight aqueous field samples, a field duplicate, and trip blank were analyzed for TCL VOCs, TCL SVOCs, and TAT inorganics. The samples were analyzed by Pace in accordance with the NYSDEC Analytical Services Protocol. The Analytical Lab Report and Data Usability Summary Report are presented in **Appendix C.** Analytical results are summarized in **Table 2**. A BTEX (benzene, toluene, ethylbenzene, xylenes) contour map is shown on **Figure 4**. A naphthalene contour map is shown on **Figure 5**.

VOCs were detected in six of the eight groundwater monitoring wells that were sampled during the September 2023 groundwater sampling event. There were detections of 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, benzene, bromodichloromethane, chloroform, cis-1,2-Dichloroethene, chloroethane, ethylbenzene, isopropylbenzene, trans-1,2-

Dichlorothene, trichloroethene, and vinyl chloride. SVOCs were detected in four of the eight groundwater samples collected. Detections of SVOCs include acenaphthene, acenaphthylene, anthracene, bis(2-ethylexyl)phthalate, carbazole, dibenzofuran, fluoranthene, fluorene, phenanthrene, and pyrene.

TAL inorganics were detected in all eight groundwater samples collected in September 2023. Manganese concentrations in five of the eight samples exceeded the AWQS criteria. The sample collected from FWMW-1 had an exceedance for arsenic. Mercury, silver and thallium were the only inorganics not detected in any of the groundwater samples collected. The analytical results for the inorganics as well as VOCs and SVOCs are summarized on **Table 2**.

3 Conclusions and Recommendations

3.1 Conclusions

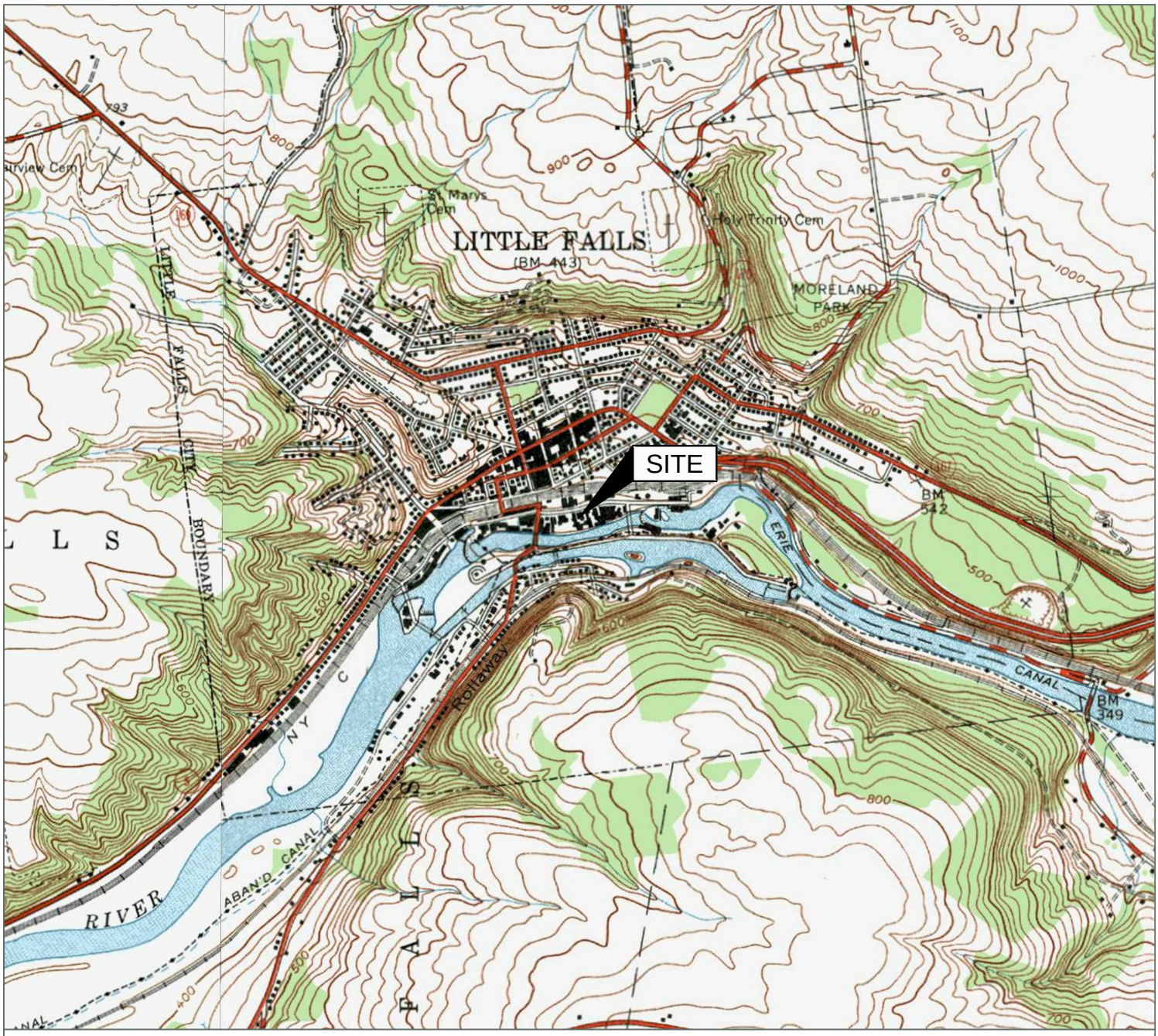
Based on the results of the past year's activities, the following conclusions were made:

- Quarterly site inspections demonstrate that the site is in good condition and in compliance.
- Groundwater beneath the Site appears to flow in a general south direction towards the Mohawk River.
- NAPL was not detected in any monitoring well or recovery well during the September 2023 monitoring event. RW-1 was not gauged because it was covered with shipping materials.
- BTEX was detected in FWMW-1, FWMW-5, MW-101RD, MW-102R, and MW-103R. Naphthalene was not detected in any monitoring well. These detections are generally consistent with previous sampling events.

3.2 Recommendations

It is recommended that all OM&M activities continue, with the next report due in February 2025.

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1943
Little Falls, New York
Contour Interval = 20'

Site Location Map

National Grid
Former MGP Site
575 Mill Street
Little Falls, New York

Drawn
W.G.S.
Designed

Approved

Date
12-27-17
Figure
1

Scale In Feet
0
2000

Groundwater & Environmental Services, Inc.

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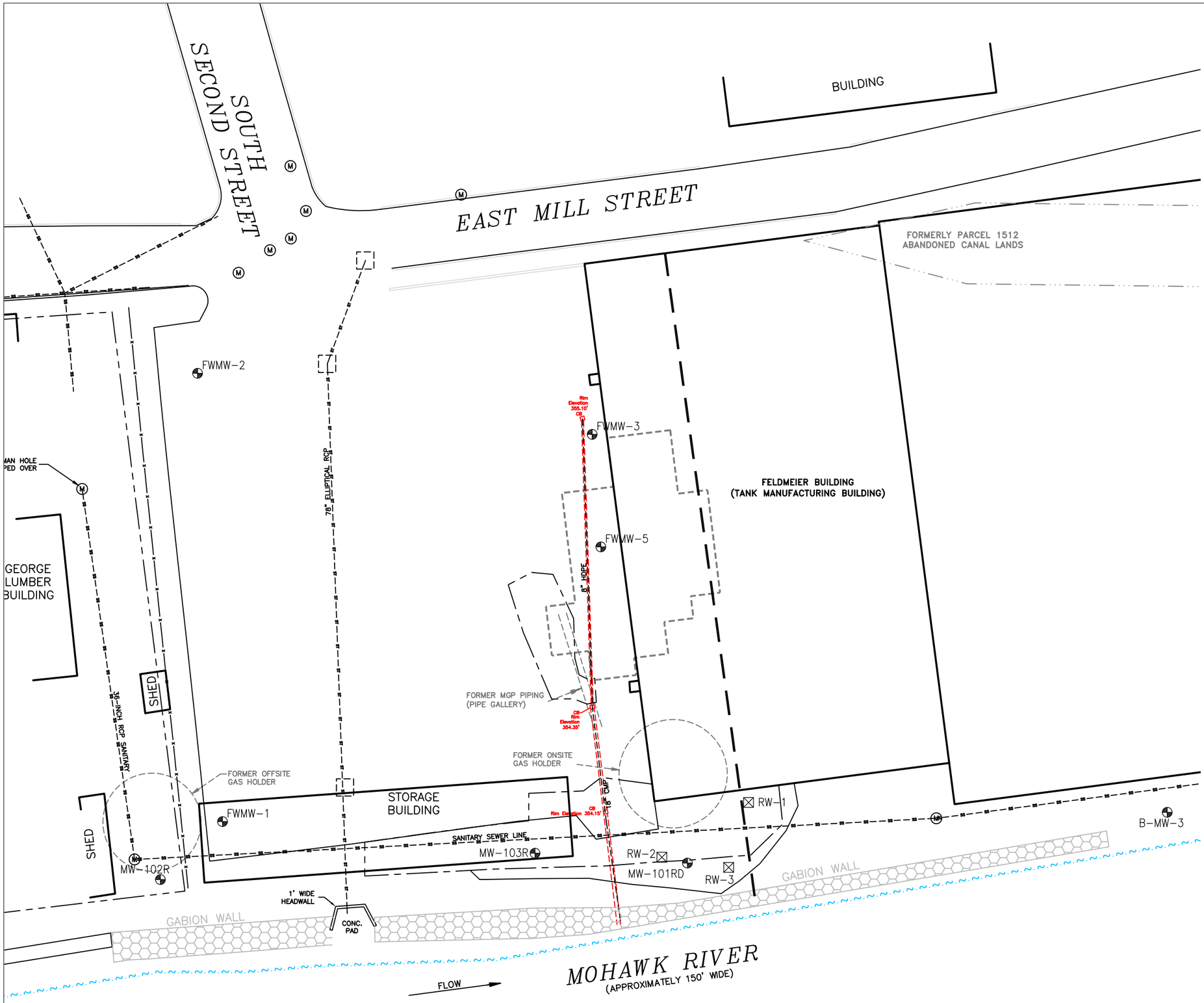

LEGEND

- PROPERTY BOUNDARY
- FENCE
- WATERS EDGE
- UTILITY MANHOLE
- MONITORING WELL
- RECOVERY WELL
- SS — UNDERGROUND SANITARY SEWER LINE
- ST — UNDERGROUND STORM SEWER LINE

Site Map

National Grid
Former MGP Site
575 Mill Street
Little Falls, New York

Drawn: W.G.S.
Designed:
Approved:
Date: 1/30/23
Figure: 2

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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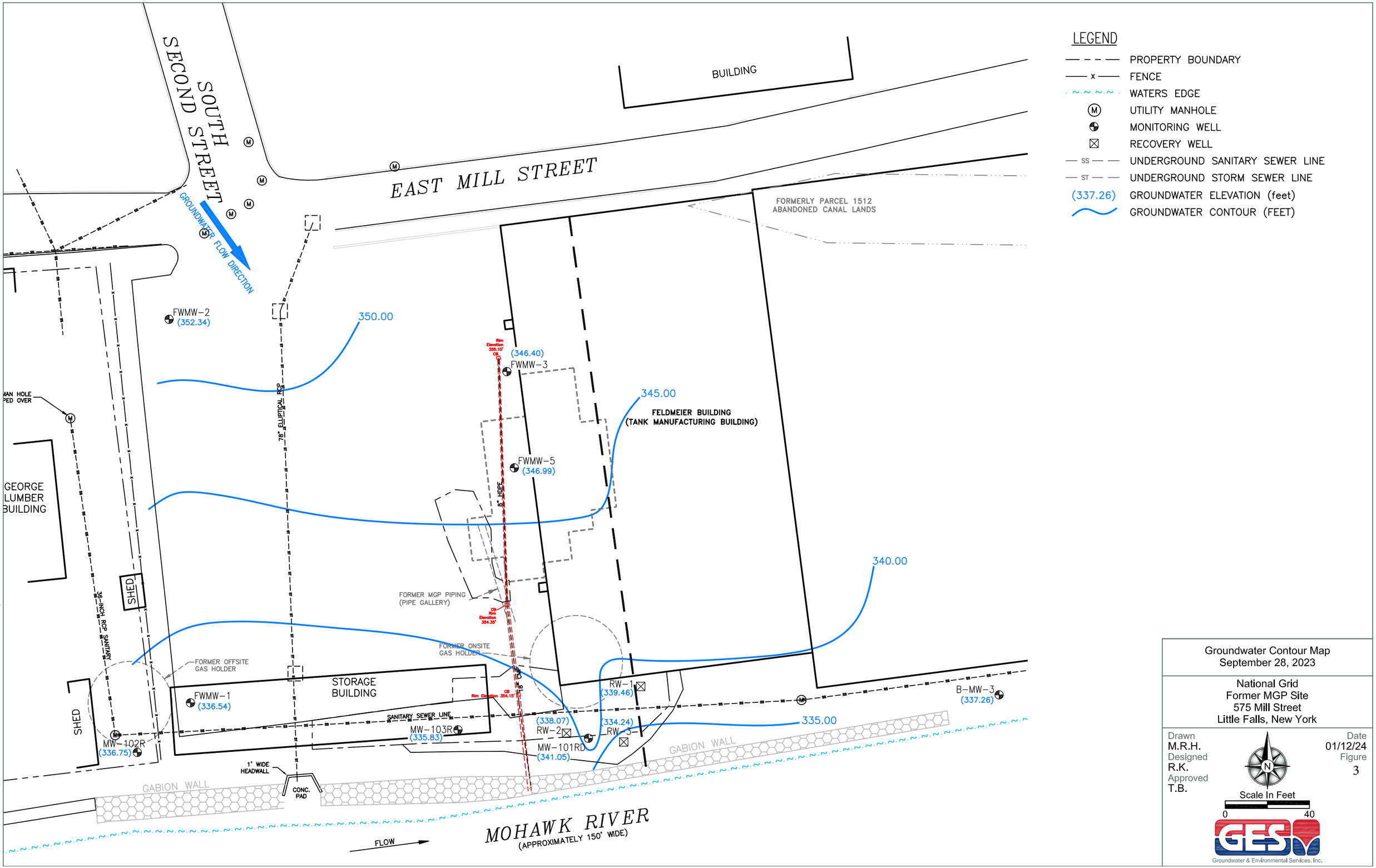

LEGEND

- PROPERTY BOUNDARY
- FENCE
- WATERS EDGE
- UTILITY MANHOLE
- MONITORING WELL
- RECOVERY WELL
- SS — UNDERGROUND SANITARY SEWER LINE
- ST — UNDERGROUND STORM SEWER LINE
- (337.26) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (FEET)

Groundwater Contour Map
September 28, 2023

National Grid
Former MGP Site
575 Mill Street
Little Falls, New York

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

Date
01/12/24
Figure
3

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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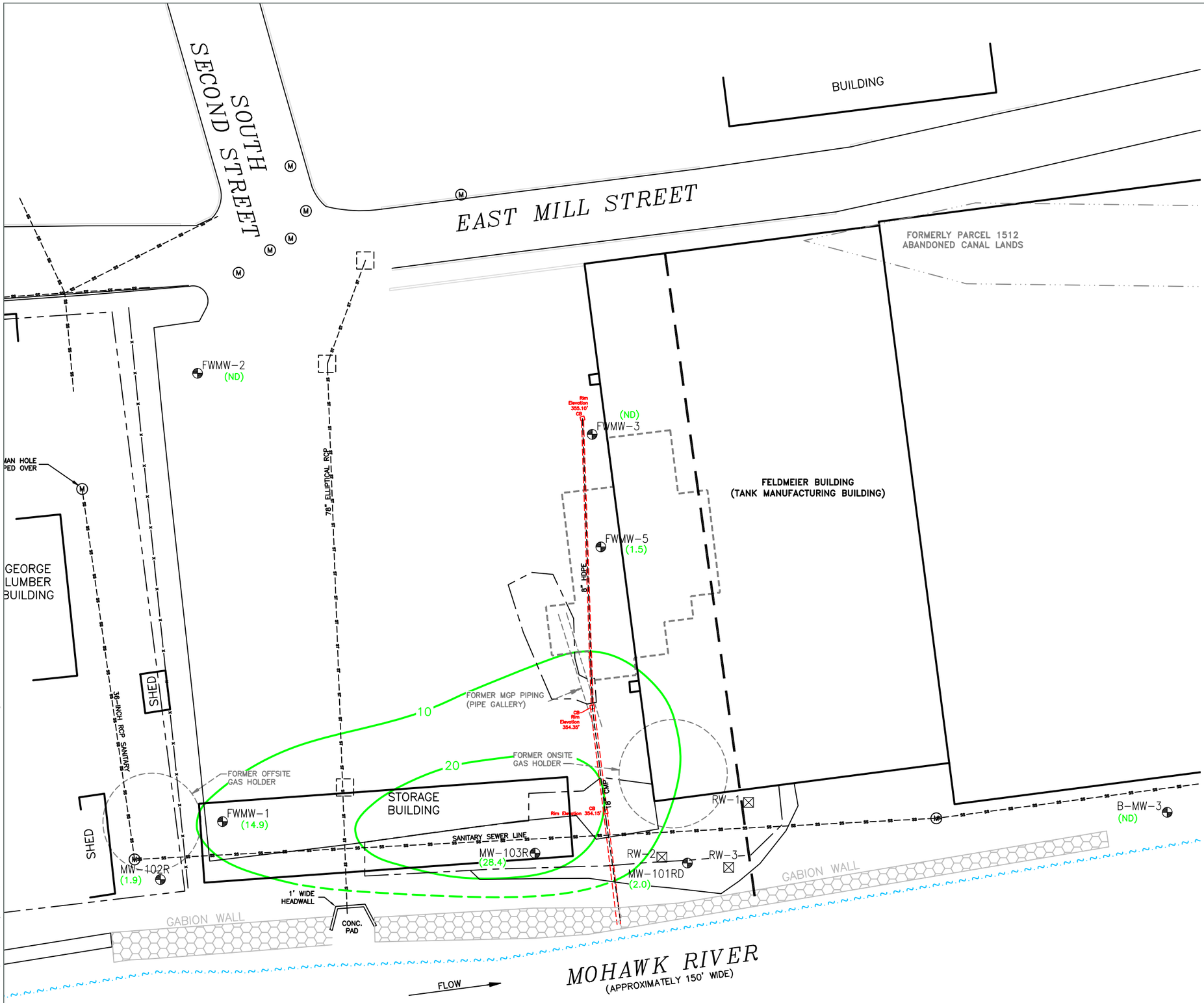

LEGEND

— — —	PROPERTY BOUNDARY
—— x ——	FENCE
~.~.~.~	WATERS EDGE
(M)	UTILITY MANHOLE
◔	MONITORING WELL
☒	RECOVERY WELL
— SS — —	UNDERGROUND SANITARY SEWER LINE
— ST — —	UNDERGROUND STORM SEWER LINE
(28.4)	BTEX CONCENTRATION (µg/L)
	BTEX CONTOUR DASHED WHERE INFERRED
µg/L	MICROGRAMS PER LITER
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
ND	NOT DETECTED

BTEX Contour Map
September 28, 2023

National Grid
Former MGP Site
575 Mill Street
Little Falls, New York

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

Date 01/12/24
Figure 4

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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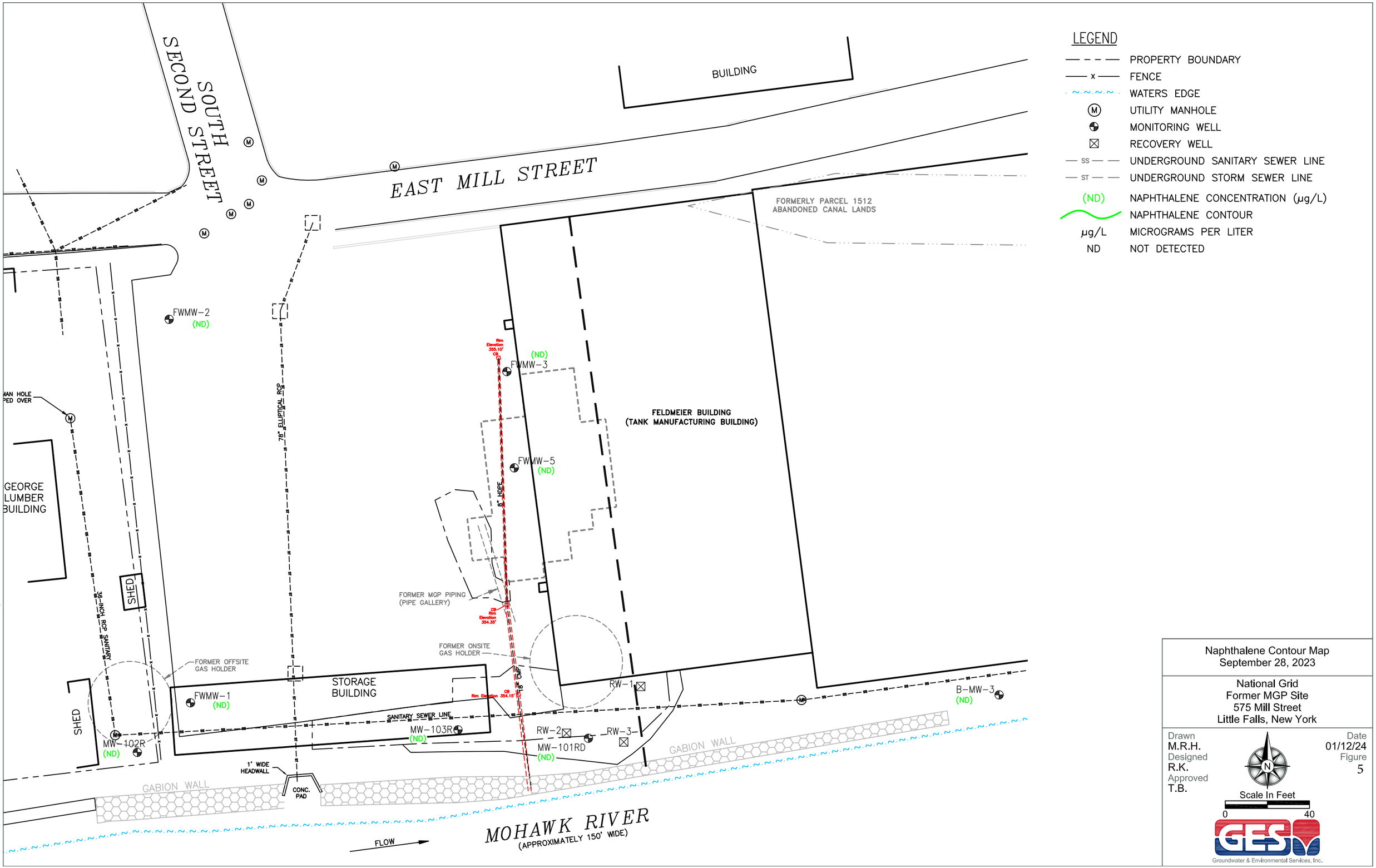

LEGEND

- PROPERTY BOUNDARY
- FENCE
- WATERS EDGE
- UTILITY MANHOLE
- MONITORING WELL
- RECOVERY WELL
- SS — UNDERGROUND SANITARY SEWER LINE
- ST — UNDERGROUND STORM SEWER LINE
- (ND) NAPHTHALENE CONCENTRATION (µg/L)
- NAPHTHALENE CONTOUR
- µg/L MICROGRAMS PER LITER
- ND NOT DETECTED

Naphthalene Contour Map
September 28, 2023

National Grid
Former MGP Site
575 Mill Street
Little Falls, New York

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

Date 01/12/24
Figure 5

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Groundwater Elevation Measurements

Well ID	Top of Casing Elevation (ft. AMSL)	February 2011	April 2011	December 2011	June 2012	December 2012	August 2013	December 2013	December 2014	October 2015	October 2016	October 2017	October 2018	October 2019	September 2020	September 2021	September 2022	September 2023
B-MW-3	351.4	NA	NA	336.53	NA	337.17	335.93	335.78	337.06	337.32	337.40	337.35	337.60	337.42	336.40	337.00	336.27	337.26
FWMW-1	355.58	NA	NA	336.70	NA	336.69	336.72	336.36	338.93	336.71	336.68	336.03	336.68	337.80	339.30	340.51	336.66	336.54
FWMW-2	361.94	NA	NA	353.00	NA	352.94	352.77	352.89	353.29	352.71	352.42	352.04	352.59	352.63	351.99	352.39	352.60	352.34
FWMW-3	354.93	NA	NA	346.35	NA	345.32	346.33	346.31	346.33	346.52	346.40	346.43	346.43	346.43	339.93	346.42	346.45	346.40
FWMW-5	355.09	NA	NA	347.59	NA	348.01	347.54	347.25	348.01	347.95	347.67	347.52	347.94	347.77	346.98	347.32	347.75	346.99
MW-101RD	351.58	340.58	345.71	341.18	340.78	340.94	340.68	340.77	340.82	340.75	340.83	340.82	341.06	341.32	340.76	340.89	341.11	341.05
MW-102R	356.1	NA	NA	337.48	NA	337.31	337.55	336.72	337.58	337.15	336.84	336.00	336.80	338.05	347.91	338.86	336.58	336.75
MW-103R	353.83	NA	NA	336.24	NA	335.83	335.55	335.42	335.55	335.64	335.83	335.97	336.03	335.21	335.78	335.78	335.79	335.83
RW-1	354.03	339.26	345.33	339.32	339.37	339.34	339.5	339.34	339.35	339.34	NA	339.31	339.33	339.45	339.33	339.34	NA	339.46
RW-2	353.3	338.04	345.33	338.12	338.05	347.20	338.11	338.01	338.08	338.09	338.17	338.20	338.00	335.58	334.14	338.07	338.05	338.07
RW-3	352.41	333.44	340.15	333.98	333.51	333.57	333.41	333.99	333.86	333.69	333.86	333.96	334.06	337.54	334.14	334.33	334.31	334.24

Notes:
Elevations reported in feet above mean sea level (ft AMSL). Elevations referenced to National Geodetic Vertical Datum (NGVD) 1988.
NA = Not Accessible

Table 2

Groundwater Analytical Results
September 2023

Constituent	NYSDEC AWQS	Units	B-MW-3	FWMW-1	FWMW-2	FWMW-3	FWMW-5	MW-101RD	MW-102R	MW-103R
VOCs										
1,1,1-Trichloroethane	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**50.2**	ND (<1.0)	ND (<1.0)
1,1-Dichloroethane	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**78.2**	**14.1**	**10.5**
1,1-Dichloroethene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**12.8**	2.5	ND (<1.0)
Benzene	1	ug/L	ND (<1.0)	**14.9**	ND (<1.0)	ND (<1.0)	**1.5**	ND (<1.0)	1.9	**27.1**
Bromodichloromethane	50	ug/L	1.7	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chloroethane	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.2	ND (<1.0)	**5.7**
Chloroform	7	ug/L	**33.1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
cis-1,2-Dichloroethene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**1,200**	**69.7**	ND (<1.0)
Ethylbenzene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	2.0	ND (<1.0)	1.3
Isopropylbenzene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.8
Toluene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
trans-1,2-Dichloroethene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	3.4	ND (<1.0)	ND (<1.0)
Trichloroethene	5	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**7.7**	ND (<1.0)	ND (<1.0)
Vinyl Chloride	2	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**143**	**7.1**	ND (<1.0)
Xylene (Total)	5	ug/L	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)
SVOCs										
Acenaphthene	20	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	2.8	6.1	ND (<0.98)	ND (<1.2)
Acenaphthylene	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	2.0	ND (<0.98)	ND (<1.2)
Anthracene	50	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	1.8	ND (<0.98)	ND (<1.2)
Benzo(a)anthracene	0.002	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Benzo(a)pyrene	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Benzo(b)fluoranthene	0.002	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Benzo(g,h,i)perylene	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Benzo(k)fluoranthene	0.002	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
bis(2-Ethylhexyl)phthalate	5	ug/L	ND (<2.5)	**9.4**	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.9)
Carbazole	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	1.6	ND (<0.98)	2.2
Chrysene	0.002	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Dibenz(a,h)anthracene	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Dibenzofuran	NA	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	5.0	ND (<0.98)	ND (<1.2)
Fluoranthene	50	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	2.7	ND (<0.98)	ND (<1.2)
Fluorene	50	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	6.2	ND (<0.98)	ND (<1.2)
Indeno(1,2,3-cd)pyrene	0.002	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	ND (<1.0)	ND (<0.98)	ND (<1.2)
Naphthalene	10	ug/L	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.5)	ND (<2.9)
Phenanthrene	50	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	4.8	ND (<0.98)	ND (<1.2)
Pyrene	50	ug/L	ND (<0.98)	ND (<0.99)	ND (<0.99)	ND (<1.0)	ND (<0.99)	1.8	ND (<0.98)	ND (<1.2)
Metals										
Aluminum	NA	ug/L	135	2,030	463	6,970	277	28	33	ND (<25.0)
Antimony	3	ug/L	ND (<0.40)	2.0	ND (<0.40)	1.1	0.53	0.50	ND (<0.40)	ND (<0.40)
Arsenic	25	ug/L	ND (<1.0)	**62.8**	1.4	2.4	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Barium	1,000	ug/L	17.7	713	328	94	42.0	200	260	261
Beryllium	3	ug/L	ND (<0.30)	0.34	ND (<0.30)	0.47	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)
Cadmium	5	ug/L	ND (<1.0)	1.3	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chromium	50	ug/L	ND (<7.0)	21.1	ND (<10.0)	13	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)
Cobalt	NA	ug/L	ND (<0.50)	6.4	1.1	3.5	23.0	ND (<0.50)	ND (<0.50)	ND (<0.50)
Copper	200	ug/L	9.1	184	19.1	19.3	2.3	2.7	2.7	4.4
Lead	25	ug/L	2.6	19	5.5	11.6	1.2	ND (<1.0)	ND (<1.0)	ND (<1.0)
Manganese	300	ug/L	10.4	**753**	**1,290**	153	166	**517**	**1,840**	**657**
Nickel	100	ug/L	0.55	12.6	3.0	8.7	2.0	0.65	0.74	1.8
Selenium	10	ug/L	ND (<2.0)	3.9	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Silver	50	ug/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Thallium	0.5	ug/L	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)
Vanadium	NA	ug/L	1.1	22.5	1.6	12.3	1.1	ND (<1.0)	ND (<1.0)	1.1
Zinc	2,000	ug/L	20.1	504	95.7	112	23.7	5.6	8.6	ND (<5.0)
Mercury	0.7	ug/L	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)
Total Cyanide	200	ug/L	ND (<10.0)	11	16	91	53	ND (<10.0)	ND (<10.0)	25

AWQS = Ambient Water Quality Standards (from TOGS 1.1.1)
NA = NYSDEC AWQS Not Applicable for this Constituent
NYSDEC = New York State Department of Environmental Conservation
TOGS = Technical and Operational Guidance Series
Bolded = values indicate exceedance of the NYSDEC AWQS

Appendix A – Quarterly Inspection Forms

Field Inspection Report
Non-Owned Former MGP Site
Mill Street
Little Falls, New York

Date: 12/15/2023 Time: 11:30

Technician: KL Weather: Sunny 46

Exterior Cover System			
Soil Intrusion Activities Being Performed	YES	NO	COMMENTS:
Evidence of any Intrusive Activities	YES	NO	COMMENTS:
Evidence of Saw Cutting	YES	NO	COMMENTS:
Evidence of Excavation or Trenching	YES	NO	COMMENTS:
Burrowing Animals	YES	NO	COMMENTS:

Interior Slab (West Side of Feldmeier Building)			
Sub-Slab Activities Being Performed	YES	NO	COMMENTS:
Signs of Sub-Slab Soil Intrusive Activities	YES	NO	COMMENTS:
Evidence of Excavation or Tunneling	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
B-MW-3	YES	NO
FW-MW-1	YES	NO
FW-MW-2	YES	NO
FW-MW-3	YES	NO
FW-MW-5	YES	NO
MW-101RD	YES	NO
MW-102R	YES	NO
MW-103R	YES	NO
RW-1	YES	NO
RW-2	YES	NO
RW-3	YES	NO

Site DNAPL Recovery Wells				
Well ID.	***DTW***	***DTP***	***DTB***	***Thickness***
RW-1	N/A	N/A	***21.95***	
RW-2	N/A	N/A	***19.42***	
RW-3	N/A	N/A	***31.70***	

Levels and Recovery in March and September Only

General Comments:

Field Inspection Report
Non-Owned Former MGP Site
Mill Street
Little Falls, New York

Date: 9/28/2023 Time: 13:15

Technician: AJ Weather: Mostly Sunny 66

Exterior Cover System			
Soil Intrusion Activities Being Performed	YES	NO	COMMENTS:
Evidence of any Intrusive Activities	YES	NO	COMMENTS:
Evidence of Saw Cutting	YES	NO	COMMENTS:
Evidence of Excavation or Trenching	YES	NO	COMMENTS:
Burrowing Animals	YES	NO	COMMENTS:

Interior Slab (West Side of Feldmeier Building)			
Sub-Slab Activities Being Performed	YES	NO	COMMENTS:
Signs of Sub-Slab Soil Intrusive Activities	YES	NO	COMMENTS:
Evidence of Excavation or Tunneling	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
B-MW-3	YES	NO
FW-MW-1	YES	NO
FW-MW-2	YES	NO
FW-MW-3	YES	NO
FW-MW-5	YES	NO
MW-101RD	YES	NO
MW-102R	YES	NO
MW-103R	YES	NO
RW-1	YES	NO
RW-2	YES	NO
RW-3	YES	NO

Site DNAPL Recovery Wells				
Well ID.	***DTW***	***DTP***	***DTB***	***Thickness***
RW-1	14.57	N/A	***21.95***	
RW-2	15.23	N/A	***19.42***	
RW-3	18.17	N/A	***31.70***	

Levels and Recovery in March and September Only

General Comments:

Field Inspection Report
Non-Owned Former MGP Site
Mill Street
Little Falls, New York

Date: 6/13/2023 Time: 9:15

Technician: PL Weather: Overcast 60

Exterior Cover System			
Soil Intrusion Activities Being Performed	YES	NO	COMMENTS:
Evidence of any Intrusive Activities	YES	NO	COMMENTS:
Evidence of Saw Cutting	YES	NO	COMMENTS:
Evidence of Excavation or Trenching	YES	NO	COMMENTS:
Burrowing Animals	YES	NO	COMMENTS:

Interior Slab (West Side of Feldmeier Building)			
Sub-Slab Activities Being Performed	YES	NO	COMMENTS:
Signs of Sub-Slab Soil Intrusive Activities	YES	NO	COMMENTS:
Evidence of Excavation or Tunneling	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
B-MW-3	YES	NO
FW-MW-1	YES	NO
FW-MW-2	YES	NO
FW-MW-3	YES	NO
FW-MW-5	YES	NO
MW-101RD	YES	NO
MW-102R	YES	NO
MW-103R	YES	NO
RW-1	YES	NO
RW-2	YES	NO
RW-3	YES	NO

Site DNAPL Recovery Wells				
Well ID.	***DTW***	***DTP***	***DTB***	***Thickness***
RW-1	N/A	N/A	***21.95***	
RW-2	N/A	N/A	***19.42***	
RW-3	N/A	N/A	***31.70***	

Levels and Recovery in March and September Only

General Comments:

Field Inspection Report
Non-Owned Former MGP Site
Mill Street
Little Falls, New York

Date: 3/3/2023 Time: 9:00

Technician: PL Weather: Sunny 27

Exterior Cover System			
Soil Intrusion Activities Being Performed	YES	NO	COMMENTS:
Evidence of any Intrusive Activities	YES	NO	COMMENTS:
Evidence of Saw Cutting	YES	NO	COMMENTS:
Evidence of Excavation or Trenching	YES	NO	COMMENTS:
Burrowing Animals	YES	NO	COMMENTS:

Interior Slab (West Side of Feldmeier Building)			
Sub-Slab Activities Being Performed	YES	NO	COMMENTS:
Signs of Sub-Slab Soil Intrusive Activities	YES	NO	COMMENTS:
Evidence of Excavation or Tunneling	YES	NO	COMMENTS:

Site Monitoring Wells		
Well ID.	***Location Secure***	
B-MW-3	YES	NO
FW-MW-1	YES	NO
FW-MW-2	YES	NO
FW-MW-3	YES	NO
FW-MW-5	YES	NO
MW-101RD	YES	NO
MW-102R	YES	NO
MW-103R	YES	NO
RW-1	YES	NO
RW-2	YES	NO
RW-3	YES	NO

Site DNAPL Recovery Wells				
Well ID.	***DTW***	***DTP***	***DTB***	***Thickness***
RW-1	14.31	N/A	***21.95***	
RW-2	15.25	N/A	***19.42***	
RW-3	18.05	N/A	***31.70***	trace on probe

Levels and Recovery in March and September Only

General Comments:

Appendix B – Well Sampling Field Data

National Grid
Non-Owned Former MGP Site
Mill Street
Little Falls, New York

Well ID.	Sample?	Well Size	Well Material	Stickup-Flush	DTP	DTW	DTP	DTB	Sump ?
B-MW-3	Yes	2"	PVC	Flush	—	14.14		16.14	No
FW-MW-1	Yes	2"	PVC	Flush	—	19.04		23.10	No
FW-MW-2	Yes	2"	PVC	Flush	—	9.60		14.63	No
FW-MW-3	Yes	2"	PVC	Flush	—	8.53		14.15	No
FW-MW-5	Yes	2"	PVC	Flush	—	8.10		11.45	No
MW-101RD	Yes	2"	PVC	Flush	—	10.53		51.35	Yes
MW-102R	Yes	2"	PVC	Flush	—	19.35		38.42	Yes
MW-103R	Yes	2"	PVC	Flush	—	18.00		35.53	Yes
RW-1	No	4"	PVC	Flush	—	14.57		21.95	Yes
RW-2	No	4"	PVC	Flush	—	15.23		19.42	Yes
RW-3	No	4"	PVC	Flush	—	18.17		31.70	Yes

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: Peter Lyon
Date: 9/28/23
Job Number: 0603324-133650-221
Weather: Sunny 65°
Well Id. **B-MW-3**
Time In: 1215 Time Out: 1250

Well Information

		TOC	Other
Depth to Water:	(feet)	14.14	
Depth to Bottom:	(feet)	16.14	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	2.00	
Volume of Water in Well:	(gal)	.32	
Three Well Volumes:	(gal)	0.96	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]	

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

Did well go dry? Yes [ ] No [ ]

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

Conversion Factors

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1215	14.22	17.51	7.63	-90	0.648	29.1	4.43	0.412
1220	14.22	18.48	7.34	-73	0.493	29.3	4.35	0.316
1225	14.23	19.35	7.30	-58	0.392	15.3	4.51	0.253
1230	14.24	20.07	7.28	-43	0.362	4.2	4.80	0.235
1235	14.25	20.60	7.27	-31	0.353	2.3	4.57	0.229
1240	14.25	21.03	7.29	-19	0.347	1.4	4.62	0.225
1245	14.29	21.32	7.30	-13	0.337	1.3	4.66	0.219

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	4 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	6 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		2 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		2 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **B-MW-3-0923** **FD-0923**
Sample Time: 1245
Duplicate? Yes [X] No [ ]
MS/MSD? Yes [ ] No [X]
Shipped: Fed Ex [ ] Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: Peter Lyon
Date: 9/28/23
Job Number: 0603324-133650-221
Weather: 51° cloudy
Well Id. **FW-MW-1**
Time In: 0920 Time Out: 1050

Well Information

		TOC	Other
Depth to Water:	(feet)	19.04	
Depth to Bottom:	(feet)	23.10	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	4.06	
Volume of Water in Well:	(gal)	.64	
Three Well Volumes:	(gal)	1.94	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]
Average Pumping Rate:	(ml/min)	200		
Duration of Pumping:	(min)	30		
Total Volume Removed:	(gal)	2		

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0925	20.06	11.56	6.81	-177	1.18	225	3.97	0.755
0930	20.86	11.87	6.88	-217	1.17	213	1.36	0.747
0935	21.68	12.18	6.95	-220	1.15	117	1.02	0.734
0940	21.88	12.09	6.94	-213	1.14	95.8	1.09	0.733
0945	22.19	12.27	6.93	-209	1.13	61.2	1.18	0.726
0950	22.52	12.39	6.94	-205	1.13	38.9	1.16	0.723
0955	22.79	12.38	6.88	-192	1.13	24.9	1.29	0.721

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **FWMW-1-0923**
Sample Time: 0955
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]
Shipped: Fed Ex [ ]
Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: AS
Job Number: 0603324-133650-221
Well Id. **FW-MW-2**

Date: 9/28/23
Weather: 57°F, partly cloudy
Time In: 1105 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	9.60	
Depth to Bottom:	(feet)	14.63	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.03	
Volume of Water in Well:	(gal)	0.80	
Three Well Volumes:	(gal)	2.4	

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

Purging Information

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

Average Pumping Rate: 150 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.0 (gal)

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1110	10.35	18.74	6.46	-94	2.87	197	1.68	1.72
1115	10.89	18.14	6.67	-163	5.54	310	1.32	3.47
1120	11.07	18.36	7.04	-185	5.67	167	1.05	3.57
1125	11.11	18.72	7.06	-187	5.65	113	1.03	3.56
1130	11.19	19.10	6.97	-188	5.67	79.3	1.01	3.58
1135	11.31	19.28	6.89	-188	5.69	56.7	0.97	3.58
1140	11.48	19.37	6.80	-189	5.70	39.8	0.94	3.59

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **FWMW-2-0923**
Sample Time: 1140

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

Shipped: Fed Ex [ ]
Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: AS
Job Number: 0603324-133650-221
Well Id. **FW-MW-3**

Date: 9/28/23
Weather: 50°F, mostly cloudy
Time In: 0920 Time Out: 1005

Well Information

		TOC	Other
Depth to Water:	(feet)	8.53	
Depth to Bottom:	(feet)	14.15	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.62	
Volume of Water in Well:	(gal)	0.89	
Three Well Volumes:	(gal)	2.69	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]		
Sampling Method:	Bailer [X]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	150 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.0 (gal)				

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0925	8.92	17.85	7.09	94	1.22	71000	4.91	0.780
0930	9.12	18.04	6.89	89	1.22	959	4.10	0.779
0935	9.59	18.53	6.68	91	1.21	720	3.18	0.773
0940	10.02	19.06	6.63	103	1.17	422	2.68	0.749
0945	10.78	19.22	6.64	113	1.06	268	2.25	0.685
0950	10.99	19.09	6.75	118	0.943	116	1.94	0.605
0955	11.38	18.90	6.74	120	0.914	59.2	1.75	0.585

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **FWMW-3-0923**
Sample Time: 0955

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

Shipped: Fed Ex [ ]
Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: AJ
Date: 9/28/23
Job Number: 0603324-133650-221
Weather: 53°F, mostly cloudy
Well Id. **FW-MW-5**
Time In: 1010 Time Out: ~~1030~~ 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	8.10	
Depth to Bottom:	(feet)	11.45	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	3.35	
Volume of Water in Well:	(gal)	0.53	
Three Well Volumes:	(gal)	1.6	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]	

Average Pumping Rate: 100 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 1.5 ~~NA~~ (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 (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	8.89	18.98	6.50	121	1.79	212	1.50	1.09
1020	9.60	19.21	6.38	121	2.70	634	1.56	1.73
1025	10.30	19.40	6.61	114	2.20	565	1.73	1.44
1030	10.82	19.53	6.66	80	1.53	198	1.57	0.993
1035	11.25	19.50	6.64	30	1.22	76.8	1.64	0.789
1040	11.38	19.39	6.58	-15	1.11	72.2	1.72	0.714
1045	11.40	19.31	6.56	-39	1.09	89.8	1.76	0.701

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **FWMW-5-0923**
Sample Time: 1045
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]
Shipped: Fed Ex [ ] Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-133650-221
Well Id. **MW-101RD**

Date: 9/27/23
Weather: 55° Sunny
Time In: 1118 Time Out: 1205

Well Information

		TOC	Other
Depth to Water:	(feet)	10.53	
Depth to Bottom:	(feet)	51.35	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	40.82	
Volume of Water in Well:	(gal)	6.53	
Three Well Volumes:	(gal)	19.59	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	250			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	2			

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1120	10.63	14.54	7.27	-119	2.84	32.2	2.64	1.81
1125	10.65	14.49	7.12	-126	2.66	12.4	0.80	1.70
1130	10.67	14.49	7.01	-136	2.66	8.5	0.54	1.70
1135	10.69	14.50	6.99	-142	2.66	7.7	0.50	1.70
1140	10.72	14.57	6.99	-145	2.65	6.8	0.49	1.69
1145	10.74	14.63	6.98	-148	2.64	8.2	0.47	1.69
1150	10.76	14.73	6.99	-149	2.63	7.0	0.46	1.68

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	6 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	9 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		3 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		3 - 250 ml plastic	Yes [X] No [ ]

MW-101RD-MS-0923 **MW-101RD-MSD-0923**
Sample ID: **MW-101RD-0923** Duplicate? Yes [ ] No [X]
Sample Time: 1150 MS/MSD? Yes [X] No [ ]

Shipped: Fed Ex [ ]
Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: AJ
Job Number: 0603324-133650-221
Well Id. **MW-102R**

Date: 9/28/23
Weather: 60°F, mostly cloudy
Time In: 1205 Time Out: 1300

Well Information

		TOC	Other
Depth to Water:	(feet)	19.35	
Depth to Bottom:	(feet)	38.42	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	19.07	
Volume of Water in Well:	(gal)	3.05	
Three Well Volumes:	(gal)	9.15	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.5 (gal)				

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1210	20.62	18.54	6.98	-183	4.36	27.8	0.99	2.87
1215	21.17	17.25	7.19	-176	2.58	12.2	1.05	1.68
1220	21.45	16.97	7.11	-178	2.43	0.0	0.94	1.56
1225	21.60	16.79	7.07	-179	2.38	0.0	0.88	1.53
1230	21.69	16.58	7.06	-178	2.23	0.0	0.84	1.43
1235	21.75	16.32	7.06	-178	2.13	0.0	0.83	1.37
1240	21.80	16.17	7.05	-178	2.08	0.0	0.82	1.33

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **MW-102R-0923**
Sample Time: 1240

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

Shipped: Fed Ex [ ] Pick-up by PACE Courier [X]

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Mill Street, Little Falls, New York

Sampling Personnel: Peter Lyon
Job Number: 0603324-133650-221
Well Id. **MW-103R**

Date: 9/28/23
Weather: 53° Cloudy
Time In: 1025 Time Out: 1105

Well Information

		TOC	Other
Depth to Water:	(feet)	18.60	
Depth to Bottom:	(feet)	35.53	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	17.53	
Volume of Water in Well:	(gal)	2.80	
Three Well Volumes:	(gal)	8.41	

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 [X]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	200			
Duration of Pumping: (min)	36			
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 (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1030	20.53	13.76	6.92	-157	3.54	20.0	1.65	2.27
1035	20.82	13.70	6.93	-160	3.56	16.1	0.96	2.28
1040	21.99	13.76	6.96	-166	3.56	8.6	0.95	2.28
1045	22.78	13.84	6.97	-168	3.55	6.7	0.95	2.27
1050	23.70	13.97	6.97	-172	3.51	7.4	0.90	2.25
1055	24.47	13.98	6.98	-173	3.49	7.5	0.85	2.23
1100	25.04	14.01	6.99	-173	3.48	7.2	0.83	2.23

Sampling Information:

EPA SW-846 Method 8270	SVOC PAH's	Including Total PAH's	2 - 100 ml amber	Yes [X] No [ ]
EPA SW-846 Method 8260	VOC's BTEX	Including Total BTEX	3 - 40 ml vials	Yes [X] No [ ]
EPA SW-846 Method 9012	Total Cyanide		1 - 250 ml plastic	Yes [X] No [ ]
EPA SW-846 Methods 6010/7470	TAL Inorganics		1 - 250 ml plastic	Yes [X] No [ ]

Sample ID: **MW-103R-0923**
Sample Time: 1150
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]
Shipped: Fed Ex [ ] Pick-up by PACE Courier [X]

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 x4052 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
Annual GWS
Purchase Order No.:
Project Name: National Grid Little Falls, NY
Project Number: 0603324-133650-221

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: **CAT-B Deliverable Required**
Pace Project Manager: Rachel Christner
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUNDWATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ☐ _____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER ___

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: TCL VOCs (8260C)	TCL SVOCs (8270D)	TAL Metals (6010C & 7470A)	Cyanide, Total (9012B)	Pace Project Number / Lab I.D.
1	B-MW-3-0923	WT	G			9/18/23	1245		7	2		1	3	1				3	2	1	1	
2	FWMW-1-0923	WT	G				0955		7	2		1	3	1				3	2	1	1	
3	FWMW-2-0923	WT	G				1140		7	2		1	3	1				3	2	1	1	
4	FWMW-3-0923	WT	G				0955		7	2		1	3	1				3	2	1	1	
5	FWMW-5-0923	WT	G				1045		7	2		1	3	1				3	2	1	1	
6	MW-101RD-0923	WT	G				1150		7	2		1	3	1				3	2	1	1	
7	MW-101RD-MS-0923	WT	G				1190		7	2		1	3	1				3	2	1	1	
8	MW-101RD-MSD-0923	WT	G				1150		7	2		1	3	1				3	2	1	1	
9	MW-102R-0923	WT	G				1240		7	2		1	3	1				3	2	1	1	
10	MW-103R-0923	WT	G				1100		7	2		1	3	1				3	2	1	1	
11	FD-0923	WT	G						7	2		1	3	1				3	2	1	1	
12	Trip Blank	WT	Lab						3				3					3				

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
GES	9/18/23	1530			

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Allison Jodey
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 9/18/23

Additional Comments:

SAMPLES WILL ARRIVE IN [#] COOLERS.

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

NERegion@gesonline.com, ges@equisonline.com

Appendix C – Data Usability Summary Report and Analytical Data

Groundwater
& Environmental Services, Inc.

701 N Main Blacksburg, Virginia 24060 • (866) 756 0788

February 28, 2024

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

RE: Data Usability Summary Report for National Grid Mill Street, Little Falls, NY Site Data Packages Pace Job No. 30626426

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Project Number 30626426) Pace Analytical Services, LLC. Greensburg, PA.

The report detailed the analytical results of groundwater samples collected from monitoring wells on September 28, 2023 at the Little Falls site. Eight aqueous samples and a field duplicate were analyzed for volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), Metals, Mercury, and Cyanide. Methodologies utilized were those of EPA 200.7, EPA 200.8, EPA 245.1 and the USEPA SW846 methods 8260C/8270D/9012B, with additional QC requirements of the NYSDEC ASP.

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

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

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

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

In summary, sample results are usable as reported.

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

Table 1 – Data Qualifications

Sample ID	Qualifier	Analyte	Reason for qualification
B-MW-3-0923 FD-0923 FWMW-1-0923 FWMW-2-0923 FWMW-3-0923	J-	Detected compounds	LCS recovered low, site MS/MSDs recovered within criteria. Re-analysis performed outside hold time recovered within specification and confirmed results.
FWMW-5-0923 MW-101RD-0923	UJ J-	Carbon Disulfide Cyclohexane	Low secondary source standard
MW-101RD-MS-0923 MW-101RD-MSD-0923 MW-102R-0923 MW-103R-0923.	UJ J-	2-hexanone 4-Methyl -2-Pentanonen Acetone Methylene chloride 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane	Low CCV
B-MW-3/ FD	J/UJ	Aluminum Copper	Poor Field duplicate precision

Analytical Anomalies

- Methyl acetate had the secondary source verification recover high in the initial calibration. All data is ND, the possible high bias does not affect the data. No data is qualified.
- Carbon disulfide and cyclohexane had the secondary source verification recover low in the initial calibration. All data is qualified as estimated with a possible low bias.
- Multiple VOC analytes had CCVs recover low, resulting in estimated values. Qualifications are found in **Table 1.**

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Samples were analyzed within hold time 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 exception of diluted samples.

Laboratory control samples recovered within criteria.

Calibration standards show acceptable responses within analytical protocol and validation action limits with the exceptions noted previously in the analytical anomalies section.

MS/MSD results were compliant.

The blind field duplicate correlations of BMW-3 -0923, where applicable, fall within guidance limits.

SVOCs by EPA8270D/NYSDEC ASP

Holding times were met.

LCS recoveries were low for all analytes as well as the surrogate recoveries, indicating a failure for the LCS for the SVOC analysis. The MS/MSD associated with the site samples passed within criteria (high for 2,4-Dinitrophenol) for analytes and surrogates, indicating that the LCS was not representative of sample results for samples where surrogate recovery falls within criteria. Data is not qualified solely upon the low LCS recoveries. The following samples were affected by the LCS recoveries. The nonconformance required a confirmation analysis. This re-analysis was performed outside hold time for the following samples:

- B-MW-3-0923
- FD-0923
- FWMW-1-0923
- FWMW-2-0923
- FWMW-3-0923
- FWMW-5-0923
- MW-101RD-0923
- MW-101RD-MS-0923
- MW-101RD-MSD-0923
- MW-102R-0923
- MW-103R-0923.

Data from the original analysis was confirmed in the re-analysis. Compounds that recovered low in the original LCS had the concentrations confirmed in re-analysis. Positive detections are considered biased low, non-detects are confirmed as non-detects.

Instrumental tune fragmentations were within acceptance ranges.

Blanks show no contamination. Calibration standards show acceptable responses within analytical protocol and validation action limits with exceptions noted previously. Qualified data is noted in **Table 1.**

MS/MSD associated with MW-101RD reported results within criteria. No data is qualified due to MS/MSD results.

The blind field duplicate correlations of BMW-3 -0923, where applicable, fall within guidance limits.

Metals by EPA 200.7 & EPA 200.8/NYDESC ASP

The laboratory-prepared matrix spikes were not associated with the site.

The ICP Serial Dilution evaluations were analyzed utilizing samples unassociated with the site. No qualifications were required.

The laboratory duplicate was performed on a sample unassociated with the site.

The blind field duplicate correlations of BMW-3 -0923, where applicable, fall within guidance limits with the exception of aluminum and copper. Precision was calculated when both samples reported >5x the RL concentration per EPA guidance.

Total Mercury by EPA 245.1 and 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.

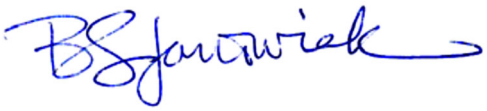
Calibration standard responses were compliant. Blanks show no detections above the reporting limits. All other laboratory spikes and duplicates of total cyanide show acceptable recoveries and/or correlations.

The blind field duplicate correlations of B-MW-3-0923, where applicable, fall within guidance limits.

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.
Principle Environment Chemist, N.R.C.C
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.

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

SAMPLE SUMMARY

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30626426001	**B-MW-3-0923**	Water	09/28/23 12:45	09/29/23 09:20
30626426002	**FWMW-1-0923**	Water	09/28/23 09:55	09/29/23 09:20
30626426003	**FWMW-2-0923**	Water	09/28/23 11:40	09/29/23 09:20
30626426004	**FWMW-3-0923**	Water	09/28/23 09:55	09/29/23 09:20
30626426005	**FWMW-5-0923**	Water	09/28/23 10:45	09/29/23 09:20
30626426006	**MW-101RD-0923**	Water	09/28/23 11:50	09/29/23 09:20
30626426007	**MW-101RD-MS-0923**	Water	09/28/23 11:50	09/29/23 09:20
30626426008	**MW-101RD-MSD-0923**	Water	09/28/23 11:50	09/29/23 09:20
30626426009	**MW-102R-0923**	Water	09/28/23 12:40	09/29/23 09:20
30626426010	**MW-103R-0923**	Water	09/28/23 11:00	09/29/23 09:20
30626426011	**FD-0923**	Water	09/28/23 11:00	09/29/23 09:20
30626426012	**Trip Blank**	Water	09/28/23 11:00	09/29/23 09:20

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

SAMPLE ANALYTE COUNT

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30626426001	**B-MW-3-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426002	**FWMW-1-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426003	**FWMW-2-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426004	**FWMW-3-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426005	**FWMW-5-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426006	**MW-101RD-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426007	**MW-101RD-MS-0923**	EPA 200.7	JWT	3	PASI-MV

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426008	**MW-101RD-MSD-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426009	**MW-102R-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426010	**MW-103R-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426011	**FD-0923**	EPA 200.7	JWT	3	PASI-MV
		EPA 200.8	JJS	17	PASI-MV
		EPA 245.1	JJS	1	PASI-MV
		EPA 8270D	EAC	69	PASI-PA
		EPA 8260C	AJC	52	PASI-PA
		EPA 9012B	CMT	1	PASI-PA
30626426012	**Trip Blank**	EPA 8260C	AJC	52	PASI-PA

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

General Information:
11 samples were analyzed for EPA 200.7 by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 200.7 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.

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.

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

QC Batch: 323105

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.
- DUP (Lab ID: 1649558)
  - Zinc

Additional Comments:

Batch Comments:

The post digestion spike for sample 70272673001 (PDS 1649783) did not meet acceptance criteria for Silver, Calcium, and Sodium.
- QC Batch: 323164

The serial dilution for sample 70272673001 (SD 1649784) did not meet acceptance criteria for Silver, Arsenic, Calcium, Chromium, Copper, Iron, Molybdenum, Lead, Tin, Titanium, and Zinc.
- QC Batch: 323164

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Batch Comments:

The serial dilution for sample 70272671001 (SD 1649786) did not meet acceptance criteria for Silver, Arsenic, Cadmium, Copper, Molybdenum, Nickel, Lead, Tin, and Thallium.
- QC Batch: 323164

The post digestion spike for sample 70272671001 (PDS 1649785) did not meet acceptance criteria for Silver, Calcium, Potassium, Sodium, Silicon, and Strontium.
- QC Batch: 323164

Analyte Comments:

QC Batch: 323105

2c: The post digestion spike for sample 70272671001 (PDS 1649785) did not meet acceptance criteria for Silver, Calcium, Potassium, Sodium, Silicon, and Strontium.
- B-MW-3-0923 (Lab ID: 30626426001)
  - Arsenic
  - Lead
  - Zinc
- BLANK (Lab ID: 1649556)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649558)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649741)
  - Arsenic
  - Lead
  - Zinc
- FD-0923 (Lab ID: 30626426011)
  - Arsenic
  - Lead
  - Zinc
- FWMW-1-0923 (Lab ID: 30626426002)
  - Arsenic
  - Lead
  - Zinc
- FWMW-2-0923 (Lab ID: 30626426003)
  - Arsenic
  - Lead
  - Zinc
- FWMW-3-0923 (Lab ID: 30626426004)
  - Arsenic
  - Lead
  - Zinc
- FWMW-5-0923 (Lab ID: 30626426005)
  - Arsenic
  - Lead

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

2c: The post digestion spike for sample 70272671001 (PDS 1649785) did not meet acceptance criteria for Silver, Calcium, Potassium, Sodium, Silicon, and Strontium.

- FWMW-5-0923 (Lab ID: 30626426005)
  - Zinc
- LCS (Lab ID: 1649557)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649559)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649742)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-0923 (Lab ID: 30626426006)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Arsenic
  - Lead
  - Zinc
- MW-102R-0923 (Lab ID: 30626426009)
  - Arsenic
  - Lead
  - Zinc
- MW-103R-0923 (Lab ID: 30626426010)
  - Arsenic
  - Lead
  - Zinc

3c: The post digestion spike for sample 70272673001 (PDS 1649783) did not meet acceptance criteria for Silver, Calcium, and Sodium.

- B-MW-3-0923 (Lab ID: 30626426001)
  - Arsenic
  - Lead
  - Zinc
- BLANK (Lab ID: 1649556)
  - Arsenic

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

3c: The post digestion spike for sample 70272673001 (PDS 1649783) did not meet acceptance criteria for Silver, Calcium, and Sodium.

- BLANK (Lab ID: 1649556)
  - Lead
  - Zinc
- DUP (Lab ID: 1649558)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649741)
  - Arsenic
  - Lead
  - Zinc
- FD-0923 (Lab ID: 30626426011)
  - Arsenic
  - Lead
  - Zinc
- FWMW-1-0923 (Lab ID: 30626426002)
  - Arsenic
  - Lead
  - Zinc
- FWMW-2-0923 (Lab ID: 30626426003)
  - Arsenic
  - Lead
  - Zinc
- FWMW-3-0923 (Lab ID: 30626426004)
  - Arsenic
  - Lead
  - Zinc
- FWMW-5-0923 (Lab ID: 30626426005)
  - Arsenic
  - Lead
  - Zinc
- LCS (Lab ID: 1649557)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649559)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649742)
  - Arsenic
  - Lead

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

3c: The post digestion spike for sample 70272673001 (PDS 1649783) did not meet acceptance criteria for Silver, Calcium, and Sodium.

- MS (Lab ID: 1649742)
  - Zinc
- MW-101RD-0923 (Lab ID: 30626426006)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Arsenic
  - Lead
  - Zinc
- MW-102R-0923 (Lab ID: 30626426009)
  - Arsenic
  - Lead
  - Zinc
- MW-103R-0923 (Lab ID: 30626426010)
  - Arsenic
  - Lead
  - Zinc

4c: The serial dilution for sample 70272671001 (SD 1649786) did not meet acceptance criteria for Silver, Arsenic, Cadmium, Copper, Molybdenum, Nickel, Lead, Tin, and Thallium.

- B-MW-3-0923 (Lab ID: 30626426001)
  - Arsenic
  - Lead
  - Zinc
- BLANK (Lab ID: 1649556)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649558)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649741)
  - Arsenic
  - Lead
  - Zinc
- FD-0923 (Lab ID: 30626426011)
  - Arsenic

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

4c: The serial dilution for sample 70272671001 (SD 1649786) did not meet acceptance criteria for Silver, Arsenic, Cadmium, Copper, Molybdenum, Nickel, Lead, Tin, and Thallium.

- FD-0923 (Lab ID: 30626426011)
  - Lead
  - Zinc
- FWMW-1-0923 (Lab ID: 30626426002)
  - Arsenic
  - Lead
  - Zinc
- FWMW-2-0923 (Lab ID: 30626426003)
  - Arsenic
  - Lead
  - Zinc
- FWMW-3-0923 (Lab ID: 30626426004)
  - Arsenic
  - Lead
  - Zinc
- FWMW-5-0923 (Lab ID: 30626426005)
  - Arsenic
  - Lead
  - Zinc
- LCS (Lab ID: 1649557)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649559)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649742)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-0923 (Lab ID: 30626426006)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Arsenic
  - Lead

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

4c: The serial dilution for sample 70272671001 (SD 1649786) did not meet acceptance criteria for Silver, Arsenic, Cadmium, Copper, Molybdenum, Nickel, Lead, Tin, and Thallium.

- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Zinc
- MW-102R-0923 (Lab ID: 30626426009)
  - Arsenic
  - Lead
  - Zinc
- MW-103R-0923 (Lab ID: 30626426010)
  - Arsenic
  - Lead
  - Zinc

5c: The serial dilution for sample 70272673001 (SD 1649784) did not meet acceptance criteria for Silver, Arsenic, Calcium, Chromium, Copper, Iron, Molybdenum, Lead, Tin, Titanium, and Zinc.

- B-MW-3-0923 (Lab ID: 30626426001)
  - Arsenic
  - Lead
  - Zinc
- BLANK (Lab ID: 1649556)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649558)
  - Arsenic
  - Lead
  - Zinc
- DUP (Lab ID: 1649741)
  - Arsenic
  - Lead
  - Zinc
- FD-0923 (Lab ID: 30626426011)
  - Arsenic
  - Lead
  - Zinc
- FWMW-1-0923 (Lab ID: 30626426002)
  - Arsenic
  - Lead
  - Zinc
- FWMW-2-0923 (Lab ID: 30626426003)
  - Arsenic
  - Lead
  - Zinc
- FWMW-3-0923 (Lab ID: 30626426004)
  - Arsenic

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 323105

5c: The serial dilution for sample 70272673001 (SD 1649784) did not meet acceptance criteria for Silver, Arsenic, Calcium, Chromium, Copper, Iron, Molybdenum, Lead, Tin, Titanium, and Zinc.

- FWMW-3-0923 (Lab ID: 30626426004)
  - Lead
  - Zinc
- FWMW-5-0923 (Lab ID: 30626426005)
  - Arsenic
  - Lead
  - Zinc
- LCS (Lab ID: 1649557)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649559)
  - Arsenic
  - Lead
  - Zinc
- MS (Lab ID: 1649742)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-0923 (Lab ID: 30626426006)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Arsenic
  - Lead
  - Zinc
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Arsenic
  - Lead
  - Zinc
- MW-102R-0923 (Lab ID: 30626426009)
  - Arsenic
  - Lead
  - Zinc
- MW-103R-0923 (Lab ID: 30626426010)
  - Arsenic
  - Lead
  - Zinc

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

General Information:
11 samples were analyzed for EPA 200.8 by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 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.

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: 323106

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70272990001,70272990002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1649565)
  - Barium
  - Copper
  - Manganese

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

QC Batch: 323106

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

- DUP (Lab ID: 1649564)
  - Manganese

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 323106

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

- DUP (Lab ID: 1649566)
  - Manganese

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 245.1**
Description: 245.1 Mercury
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

General Information:
11 samples were analyzed for EPA 245.1 by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 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.

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.

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

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

General Information:
11 samples were analyzed for EPA 8270D 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.

H2: Extraction or preparation conducted outside EPA method holding time.
- B-MW-3-0923 (Lab ID: 30626426001)
- FD-0923 (Lab ID: 30626426011)
- FWMW-1-0923 (Lab ID: 30626426002)
- FWMW-2-0923 (Lab ID: 30626426003)
- FWMW-3-0923 (Lab ID: 30626426004)
- FWMW-5-0923 (Lab ID: 30626426005)
- MW-101RD-0923 (Lab ID: 30626426006)
- MW-101RD-MS-0923 (Lab ID: 30626426007)
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
- MW-102R-0923 (Lab ID: 30626426009)
- MW-103R-0923 (Lab ID: 30626426010)

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.

QC Batch: 620107

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- FD-0923 (Lab ID: 30626426011)
  - Hexachlorocyclopentadiene
  - Pentachlorophenol

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
- FD-0923 (Lab ID: 30626426011)
  - 3,3'-Dichlorobenzidine
  - bis(2-Ethylhexyl)phthalate

QC Batch: 622651

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- B-MW-3-0923 (Lab ID: 30626426001)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 622651

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- 2-Nitrophenol
- 4,6-Dinitro-2-methylphenol
- 4-Nitroaniline
- Hexachlorocyclopentadiene
- Pentachlorophenol

- BLANK (Lab ID: 3035188)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- FD-0923 (Lab ID: 30626426011)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- FWMW-1-0923 (Lab ID: 30626426002)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- FWMW-2-0923 (Lab ID: 30626426003)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- FWMW-3-0923 (Lab ID: 30626426004)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 622651

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- Pentachlorophenol

- FWMW-5-0923 (Lab ID: 30626426005)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- LCS (Lab ID: 3035189)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MS (Lab ID: 3035190)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MSD (Lab ID: 3035191)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MW-101RD-0923 (Lab ID: 30626426006)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Pentachlorophenol
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 622651

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- 4,6-Dinitro-2-methylphenol
- 4-Nitroaniline
- Hexachlorocyclopentadiene
- Pentachlorophenol

- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MW-102R-0923 (Lab ID: 30626426009)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MW-103R-0923 (Lab ID: 30626426010)
  - 2,4-Dinitrophenol
  - 2,6-Dinitrotoluene
  - 2-Nitrophenol
  - 4,6-Dinitro-2-methylphenol
  - 4-Nitroaniline
  - Hexachlorocyclopentadiene
  - Pentachlorophenol

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: 620107

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

- LCS (Lab ID: 3021383)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

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

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

QC Batch: 620107

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

- LCS (Lab ID: 3021383)
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylnaphthalene
  - 2-Methylphenol(o-Cresol)
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Acetophenone
  - Anthracene
  - Atrazine
  - Benzaldehyde
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(b)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(k)fluoranthene
  - Biphenyl (Diphenyl)
  - Butylbenzylphthalate
  - Carbazole

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 620107

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

- Chrysene
- Di-n-butylphthalate
- Di-n-octylphthalate
- Dibenz(a,h)anthracene
- Dibenzofuran
- Diethylphthalate
- Dimethylphthalate
- Fluoranthene
- Fluorene
- Hexachloro-1,3-butadiene
- Hexachlorobenzene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1,2,3-cd)pyrene
- Isophorone
- N-Nitroso-di-n-propylamine
- N-Nitrosodiphenylamine
- Naphthalene
- Nitrobenzene
- Pentachlorophenol
- Phenanthrene
- Phenol
- Pyrene
- bis(2-Chloroethoxy)methane
- bis(2-Chloroethyl) ether
- bis(2-Chloroisopropyl) ether

QC Batch: 622651

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3035189)
  - 2,4-Dinitrophenol

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

- LCS (Lab ID: 3035189)
  - 2-Methylnaphthalene
  - 4-Chloro-3-methylphenol
  - Naphthalene

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

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8270D**
Description: 8270D Organics Reduced Volume
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 622651

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30626426006

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

- MS (Lab ID: 3035190)
  - 2,4-Dinitrophenol
- MSD (Lab ID: 3035191)
  - 2,4-Dinitrophenol

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

General Information:
12 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.

QC Batch: 621581

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- B-MW-3-0923 (Lab ID: 30626426001)
  - Methyl acetate
- BLANK (Lab ID: 3029615)
  - Methyl acetate
- FD-0923 (Lab ID: 30626426011)
  - Methyl acetate
- FWMW-1-0923 (Lab ID: 30626426002)
  - Methyl acetate
- FWMW-2-0923 (Lab ID: 30626426003)
  - Methyl acetate
- FWMW-3-0923 (Lab ID: 30626426004)
  - Methyl acetate
- FWMW-5-0923 (Lab ID: 30626426005)
  - Methyl acetate
- LCS (Lab ID: 3029616)
  - Methyl acetate
- MS (Lab ID: 3029617)
  - Methyl acetate
- MSD (Lab ID: 3029618)
  - Methyl acetate
- MW-101RD-0923 (Lab ID: 30626426006)
  - Methyl acetate
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Methyl acetate
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Methyl acetate
- MW-102R-0923 (Lab ID: 30626426009)
  - Methyl acetate
- MW-103R-0923 (Lab ID: 30626426010)
  - Methyl acetate
- Trip Blank (Lab ID: 30626426012)
  - Methyl acetate

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- B-MW-3-0923 (Lab ID: 30626426001)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- BLANK (Lab ID: 3029615)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- FD-0923 (Lab ID: 30626426011)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- FWMW-1-0923 (Lab ID: 30626426002)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- FWMW-2-0923 (Lab ID: 30626426003)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- FWMW-3-0923 (Lab ID: 30626426004)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- FWMW-5-0923 (Lab ID: 30626426005)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- LCS (Lab ID: 3029616)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MS (Lab ID: 3029617)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MSD (Lab ID: 3029618)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MW-101RD-0923 (Lab ID: 30626426006)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- Cyclohexane
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MW-102R-0923 (Lab ID: 30626426009)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- MW-103R-0923 (Lab ID: 30626426010)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane
- Trip Blank (Lab ID: 30626426012)
  - 1,1,2-Trichlorotrifluoroethane
  - Carbon disulfide
  - Cyclohexane

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

QC Batch: 621581

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- B-MW-3-0923 (Lab ID: 30626426001)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- BLANK (Lab ID: 3029615)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Methyl acetate
- Methylene Chloride

- FD-0923 (Lab ID: 30626426011)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- FWMW-1-0923 (Lab ID: 30626426002)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- FWMW-2-0923 (Lab ID: 30626426003)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- FWMW-3-0923 (Lab ID: 30626426004)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- FWMW-5-0923 (Lab ID: 30626426005)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Acetone
- Methyl acetate
- Methylene Chloride

- LCS (Lab ID: 3029616)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MS (Lab ID: 3029617)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MSD (Lab ID: 3029618)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MW-101RD-0923 (Lab ID: 30626426006)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Methyl acetate
- Methylene Chloride

- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MW-102R-0923 (Lab ID: 30626426009)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- MW-103R-0923 (Lab ID: 30626426010)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride
- Trip Blank (Lab ID: 30626426012)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 2-Butanone (MEK)
  - 2-Hexanone
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Methyl acetate
  - Methylene Chloride

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

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

IS: The internal standard response is below criteria. Results may be biased high.

- FWMW-2-0923 (Lab ID: 30626426003)
  - 1,1,2,2-Tetrachloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 4-Bromofluorobenzene (S)
  - Bromoform
  - Isopropylbenzene (Cumene)

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

QC Batch: 621581

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

- FWMW-2-0923 (Lab ID: 30626426003)
  - 4-Bromofluorobenzene (S)

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

- FWMW-2-0923 (Lab ID: 30626426003)
  - 4-Bromofluorobenzene (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.

QC Batch: 621581

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

- LCS (Lab ID: 3029616)
  - 2-Hexanone

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

QC Batch: 621581

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30626426006

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

- MS (Lab ID: 3029617)
  - Carbon disulfide
- MSD (Lab ID: 3029618)
  - 1,1,1-Trichloroethane

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30626426006

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

- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,2,4-Trichlorobenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 2-Butanone (MEK)
- 2-Hexanone
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Bromodichloromethane
- Bromoform
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Cyclohexane
- Dibromochloromethane
- Dichlorodifluoromethane
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methylcyclohexane
- Methylene Chloride
- Styrene
- Toluene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 3029618)
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethene
  - 1,2,4-Trichlorobenzene

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

QC Batch: 621581

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30626426006

R1: RPD value was outside control limits.

- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Benzene
- Bromodichloromethane
- Bromomethane
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dichlorodifluoromethane
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methyl acetate
- Methyl-tert-butyl ether
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- cis-1,3-Dichloropropene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Additional Comments:

Analyte Comments:

QC Batch: 621581

1c: The analyte did not meet the method recommended minimum RF.

- B-MW-3-0923 (Lab ID: 30626426001)
  - Methyl acetate
- BLANK (Lab ID: 3029615)
  - Methyl acetate
- FD-0923 (Lab ID: 30626426011)
  - Methyl acetate

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

Analyte Comments:

QC Batch: 621581

1c: The analyte did not meet the method recommended minimum RF.

- FWMW-1-0923 (Lab ID: 30626426002)
  - Methyl acetate
- FWMW-2-0923 (Lab ID: 30626426003)
  - Methyl acetate
- FWMW-3-0923 (Lab ID: 30626426004)
  - Methyl acetate
- FWMW-5-0923 (Lab ID: 30626426005)
  - Methyl acetate
- LCS (Lab ID: 3029616)
  - Methyl acetate
- MS (Lab ID: 3029617)
  - Methyl acetate
- MSD (Lab ID: 3029618)
  - Methyl acetate
- MW-101RD-0923 (Lab ID: 30626426006)
  - Methyl acetate
- MW-101RD-MS-0923 (Lab ID: 30626426007)
  - Methyl acetate
- MW-101RD-MSD-0923 (Lab ID: 30626426008)
  - Methyl acetate
- MW-102R-0923 (Lab ID: 30626426009)
  - Methyl acetate
- MW-103R-0923 (Lab ID: 30626426010)
  - Methyl acetate
- Trip Blank (Lab ID: 30626426012)
  - Methyl acetate

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PROJECT NARRATIVE

Project: National Grid Little Falls NY
Pace Project No.: 30626426

Method: **EPA 9012B**
Description: 9012B Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: October 23, 2023

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

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

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

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

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

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

Additional Comments:

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