

August 17, 2021

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

**RE: National Grid Former Manufactured Gas Plant Site
14 Hancock Street, Fort Plain, New York
Semi-Annual Groundwater Monitoring Report**

Dear Mr. Deyette:

Enclosed for your review is the Semi-Annual Groundwater Monitoring Report for the National Grid Fort Plain Former MGP Site, for the first half of 2021.

Groundwater and Environmental Services, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Quarterly site inspections were conducted in January and April during the first half of 2021. The site is generally in good shape and in compliance. There were no detections in the groundwater samples collected from monitoring wells MW-2 (immediately downgradient of the former gas holder), MW-8 (immediately Northeast of the Route 5S Diner), and MW-9 (immediately downgradient of State Street). There were BTEX and/or PAH detections in monitoring wells MW-3, MW-7 (Diner parking lot), MW-10 (Diner parking lot), and MW-12 (immediately Northeast of the former holder).

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

Very truly yours,



for SPS

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

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

National Grid

Semi-Annual Groundwater Monitoring Report



National Grid Fort Plain, Former MGP Site
14 Hancock Street, Fort Plain, New York 13339
NYSDEC Site No. 4-29-007

August 2021

Version 1



Semi-Annual Groundwater Monitoring Report

National Grid Fort Plain, Former MGP Site
14 Hancock Street
Fort Plain, NY 13339

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GES Project:
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Date:
August 17, 2021



Devin T. Shay, PG
Program Manager / Principal Hydrogeologist





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1 Introduction

This Semi-Annual Groundwater Monitoring Report presents results from the activities conducted at the Fort Plain former manufactured gas plant (MGP) site located in Fort Plain, New York (the Site). A site map is presented on **Figure 1**. All activities summarized in this report are conducted in accordance with the Site Management Plan (SMP) for the Site, completed by Arcadis and submitted to the New York State Department of Environmental Conservation (NYSDEC) on December 31, 2012.

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

2 Semi-Annual Groundwater Monitoring

2.1 Objectives

The objectives of the April 2021 groundwater monitoring activities were to:

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

2.2 Groundwater Well Gauging

The April 1, 2021 groundwater monitoring field activities were conducted by GES. Prior to collecting groundwater samples, static fluid level measurements were collected from MW-2, MW-3, MW-7, MW-8, MW-9, MW-10, MW-12, and EW-1. Water levels were measured to the nearest 0.01 foot using an electronic oil-water interface probe to determine the depth from a surveyed mark on the top of the inner polyvinyl chloride (PVC) well casing to the groundwater within the well.

The fluid level measurements obtained from each monitoring well were converted to groundwater elevations using the surveyed well elevations. The calculated groundwater elevations for each monitoring well are listed in **Table 1**. **Table 1** also includes groundwater elevation measurements obtained during previous groundwater monitoring events. A shallow groundwater potentiometric surface contour map developed based on the groundwater elevation measurements taken on April 1, 2021, is included on **Figure 2**.

Groundwater generally flows to the northeast from the Site toward the Route 5S Diner. Groundwater elevations ranged from 289.77 feet above sea level (asl; well MW-9) to 319.13 feet asl (well EW-1). Field data from the gauging event is presented in **Appendix A**.

2.3 Groundwater Well Sampling and Analytical Results

Groundwater samples were collected by GES from seven monitoring wells on April 1, 2021 (including MW-2, MW-3, MW-7, MW-8, MW-9, MW-10, and MW-12). Well EW-1 is sampled during the fall sampling event, only. Low-flow sampling techniques were used to purge groundwater from each monitoring well prior to collecting groundwater samples. Field parameters (consisting of turbidity, temperature, pH, conductivity, oxidation reduction potential [ORP], and dissolved oxygen) were measured approximately every 5 to 10 minutes during well purging, and the depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued at each well until the field parameters stabilized and the turbidity of the water in the wells was reduced to less than 50 nephelometric turbidity units (NTUs). Groundwater field data is presented in **Appendix A**.

Following purging, groundwater samples were collected. The groundwater samples were bottled and shipped to Pace Analytical for laboratory analysis for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX; EPA Method 8260C), as well as Semi-Volatile Polycyclic Aromatic Hydrocarbons (PAHs; EPA Method 8270D). Quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and duplicate matrix spike were also submitted for laboratory analysis. The laboratory analytical results for the groundwater samples were reported using NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages to facilitate data validation.

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

Analytical results from the laboratory analysis report are summarized in **Table 2** and compared to the Class GA groundwater standards and guidance values presented in TOGS 1.1.1. VOC exceedances are bolded on **Table 2** and further shown on **Figure 3**. The Data Usability Summary Report (DUSR) is included in **Appendix B**.

There were no detections in the samples collected from monitoring wells MW-2 (immediately down gradient of the former gas holder), MW-8 (immediately Northeast of the Route 5S Diner), and MW-9 (immediately down gradient of State Street). There were BTEX and/or PAH detections in monitoring wells MW-3 (Northwest of the former holders), MW-7 (Diner parking lot), MW-10 (Diner parking lot), and MW-12 (immediately Northeast of the former holder). In October 2015, for the first time in seven sampling rounds, semi-volatile organic compounds (SVOCs) were detected at monitoring well MW-9; however, since then no Site-related parameters have been detected. Impacts are generally within the former holder areas and below the parking area down gradient of the former holders.



3 Semi-Annual Site-Wide Inspections

The semi-annual site-wide inspections were conducted on January 14 and April 1, 2021. The Site Inspection Forms are presented in **Appendix A**. In general, the Site is in compliance. Site features including the groundwater monitoring wells, asphalt pavement (Route 5S Diner parking lot), security fencing/gates, gas holder retaining wall, concrete block retaining wall, former gas holder cap, and storm water drainage system were inspected.

4 Recommendations

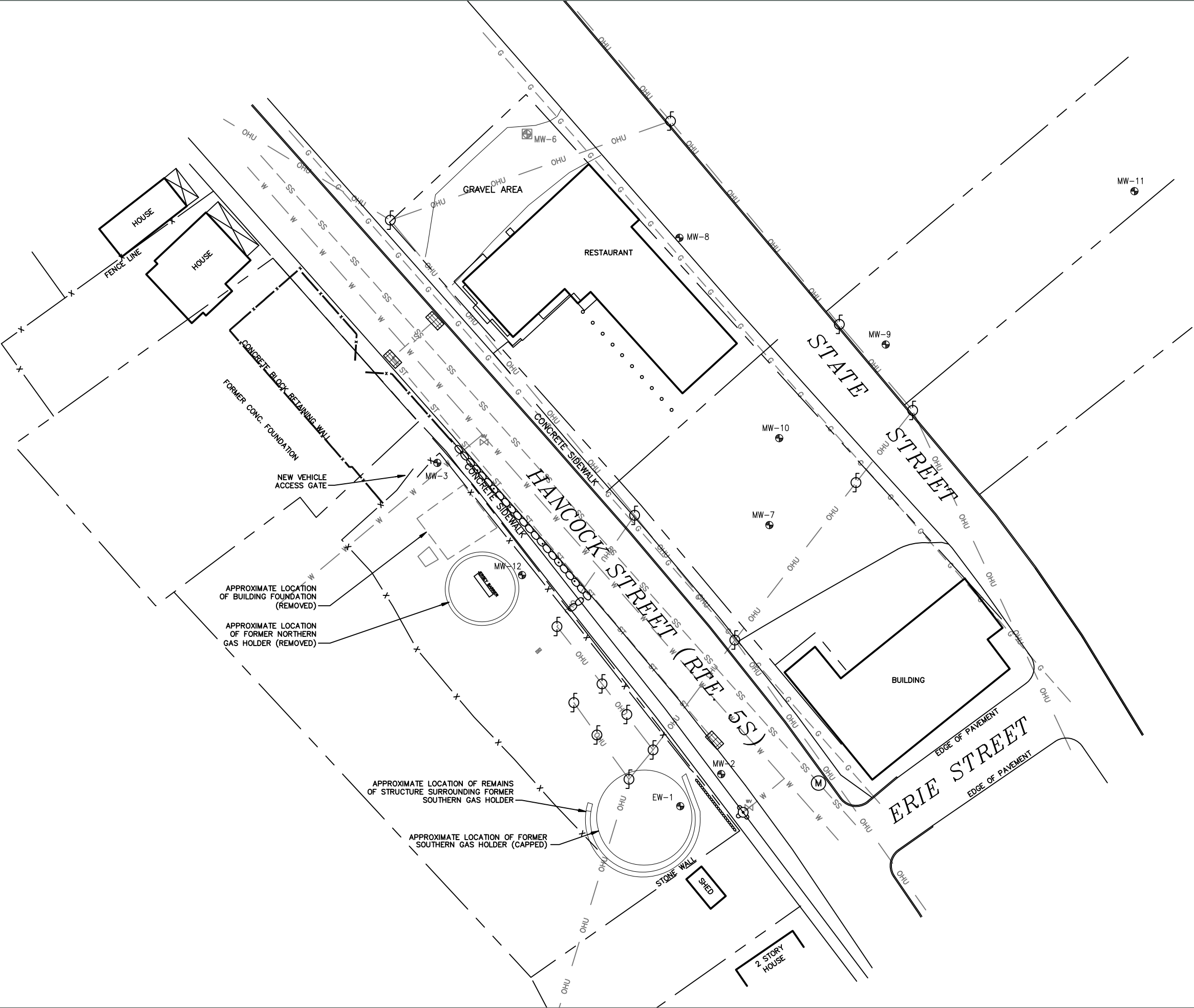
4.1 Recommendations

At this time, National Grid recommends continuing the semi-annual monitoring activities. The next semi-annual groundwater sampling event would be in the Fall 2021. Semi-Annual site-wide inspections are required; however, for internal security purposes, National Grid will continue to conduct quarterly site-wide inspections.



Figures

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LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- [Grid Symbol] CATCH BASIN
- (M) UTILITY MANHOLE
- [Fire Hydrant Symbol] FIRE HYDRANT
- [Utility Pole Symbol] UTILITY POLE
- [Well Symbol] MONITORING WELL
- [Well Symbol] DESTROYED/ABANDONED WELL
- SS - UNDERGROUND SANITARY SEWER LINE
- ST - UNDERGROUND STORM SEWER LINE
- W - UNDERGROUND WATER LINE
- G - UNDERGROUND GAS LINE
- OHU - OVERHEAD UTILITIES

Site Map

National Grid
Former MGP Site
14 Hancock Street
Fort Plain, New York

Drawn
W.G.S.
Designed

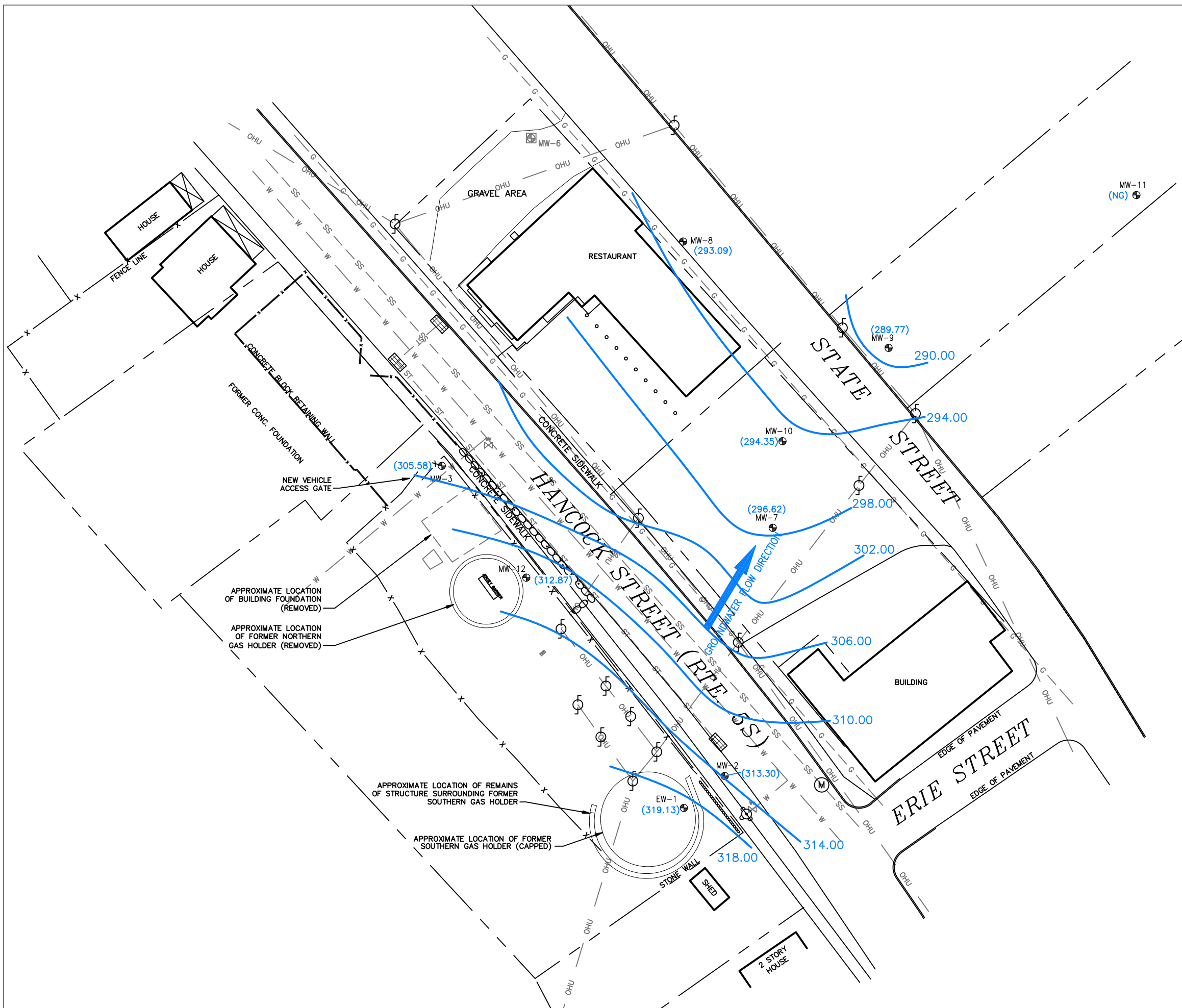
Approved

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

Date
11/3/20
Figure
1

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LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- [Grid Symbol] CATCH BASIN
- (M) UTILITY MANHOLE
- [Fire Hydrant Symbol] FIRE HYDRANT
- [Utility Pole Symbol] UTILITY POLE
- [Monitoring Well Symbol] MONITORING WELL
- [Destroyed Well Symbol] DESTROYED/ABANDONED WELL
- SS - UNDERGROUND SANITARY SEWER LINE
- ST - UNDERGROUND STORM SEWER LINE
- W - UNDERGROUND WATER LINE
- G - UNDERGROUND GAS LINE
- OHU - OVERHEAD UTILITIES
- ~ GROUNDWATER CONTOUR (feet)
- (319.00) GROUNDWATER ELEVATION (feet)
- (NG) NOT GAUGED

Groundwater Contour Map April 1, 2021	
National Grid Former MGP Site 14 Hancock Street Fort Plain, New York	
Drawn W.G.S. Designed Approved	Date 4/26/21 Figure 2
Scale In Feet 0 40 Groundwater & Environmental Services, Inc.	

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Tables

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Well Type & Diameter	Top of Inner Casing Elevation	Depth To Well Bottom	Well Bottom Elevation	Screen Elevation	Depth To Water (06/08/11)	Groundwater Elevation (06/08/11)	Depth To Water (10/24/11)	Groundwater Elevation (10/24/11)	Depth To Water (04/12/12)	Groundwater Elevation (04/12/12)	Depth To Water (10/10/12)	Groundwater Elevation (10/10/12)
MW-2	Flushmount; PVC; 2-inch	317.5	17.81	299.69	309.69-299.69	4.71	312.79	4.48	313.02	4.45	313.05	6.45	311.05
MW-3	Flushmount; PVC; 2-inch	315.1	18.72	296.38	306.38-296.38	15.72	299.38	16.15	298.95	15.87	299.23	16.35	298.75
MW-7	Flushmount; PVC; 2-inch	313.1	22.72	290.38	300.38-290.38	16.45	296.65	16.52	296.58	16.50	296.60	16.47	296.63
MW-8	Flushmount; PVC; 2-inch	312.0	24.52	287.45	297.45-287.45	18.44	293.53	18.76	293.21	18.79	293.18	18.46	293.51
MW-9	Stickup; PVC; 2-inch	311.1	25.35	285.7	295.70-285.70	NM	NM	20.25	290.80	21.74	289.31	17.57	293.48
MW-10	Flushmount; PVC; 2-inch	313.2	22.92	290.28	300.28-290.28	17.75	295.45	18.37	294.83	18.65	294.55	18.08	295.12
MW-12	Flushmount; PVC; 2-inch	315.4	3.14	312.26	326.96-312.26	NM	NM	3.56	311.84	3.35	312.05	3.14	312.26
EW-1	Flushmount; PVC; 4-inch	321.7	6.61	315.09	318.69-315.09	NM	NM	NM	NM	3.12	318.58	2.86	318.84

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/19/13)	Groundwater Elevation (04/19/13)	Depth To Water (10/09/13)	Groundwater Elevation (10/09/13)	Depth To Water (04/07/14)	Groundwater Elevation (04/07/14)	Depth To Water (10/20/14)	Groundwater Elevation (10/20/14)	Depth To Water (04/15/15)	Groundwater Elevation (04/15/15)	Depth To Water (10/30/15)	Groundwater Elevation (10/30/15)
MW-2	6.49	311.01	6.22	311.28	3.75	313.75	2.61	314.89	4.47	313.03	4.21	313.29
MW-3	15.49	299.61	16.42	298.68	15.60	299.50	16.61	298.49	15.66	299.44	15.89	299.21
MW-7	16.39	296.71	16.55	296.55	16.30	296.80	16.48	296.62	16.35	296.75	16.45	296.65
MW-8	18.55	293.42	18.82	293.15	18.49	293.48	18.27	293.7	18.58	293.4	18.55	293.42
MW-9	20.48	290.57	18.38	292.67	20.04	291.01	17.32	293.7	20.11	290.9	17.61	293.44
MW-10	18.45	294.75	18.44	294.76	18.32	294.88	17.85	295.35	18.43	294.77	18.1	295.10
MW-12	2.61	312.79	3.45	311.95	2.37	313.03	2.65	312.75	2.53	312.87	2.02	313.38
EW-1	3.11	318.59	2.81	318.89	2.21	319.49	2.61	319.09	3.15	318.55	2.5	319.20

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/21/16)	Groundwater Elevation (04/21/16)	Depth To Water (10/19/16)	Groundwater Elevation (10/19/16)	Depth To Water (04/13/17)	Groundwater Elevation (04/13/17)	Depth To Water (10/19/17)	Groundwater Elevation (10/19/17)	Depth To Water (04/05/18)	Groundwater Elevation (04/05/18)	Depth To Water (10/10/18)	Groundwater Elevation (10/10/18)
MW-2	3.88	313.62	4.12	313.38	4.32	313.18	4.28	313.22	4.30	313.20	4.10	313.40
MW-3	15.98	299.12	16.95	298.15	15.78	299.32	16.55	298.55	15.80	299.30	16.42	298.68
MW-7	16.43	296.67	16.62	296.48	16.45	296.65	16.85	296.25	16.80	296.30	16.45	296.65
MW-8	18.78	293.19	18.70	293.27	18.69	293.28	18.85	293.12	18.71	293.26	18.62	293.35
MW-9	21.35	289.70	18.07	292.98	18.94	292.11	17.9	293.15	20.56	290.49	17.66	293.39
MW-10	18.67	294.53	18.39	294.81	18.23	294.97	18.33	294.87	18.41	294.79	18.03	295.17
MW-12	3.98	311.42	3.57	311.83	2.53	312.87	3.28	312.12	2.25	313.15	2.95	312.45
EW-1	3.51	318.19	3.06	318.64	3.14	318.56	2.96	318.74	2.70	319.00	3.00	318.70

Table 1
Groundwater Monitoring Well Gauging Data

Well ID	Depth To Water (04/04/19)	Groundwater Elevation (04/04/19)	Depth To Water (10/10/19)	Groundwater Elevation (10/10/19)	Depth To Water (6/10/20)	Groundwater Elevation (6/10/20)	Depth To Water	Groundwater Elevation (10/14/20)	Depth To Water	Groundwater Elevation (4/1/21)
MW-2	4.50	313.00	3.95	313.55	4.30	313.20	3.98	313.52	4.20	313.30
MW-3	15.85	299.25	16.13	298.97	16.56	298.54	16.43	298.67	9.52	305.58
MW-7	16.48	296.62	16.46	296.64	16.78	296.32	16.48	296.62	16.48	296.62
MW-8	18.76	293.21	18.51	293.46	18.98	292.99	18.88	293.09	18.88	293.09
MW-9	21.03	290.02	17.60	293.45	21.90	289.15	17.92	293.13	21.28	289.77
MW-10	18.79	294.41	18.03	295.17	18.97	294.23	18.23	294.97	18.85	294.35
MW-12	2.55	312.85	2.79	312.61	3.21	312.19	2.91	312.49	2.53	312.87
EW-1	2.92	318.78	2.61	319.09	3.70	318.00	2.70	319.00	2.57	319.13

NM = Not Measured



Table 2

Groundwater Analytical Data
MW-2

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	05/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX														ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)	0.2 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<2.0)	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	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														ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND
Acenaphthene	20	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.095)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Acenaphthylene	--	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.059)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Anthracene	50	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.041)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(a)anthracene	0.002	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.048)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.30)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.045)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.063)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Fluorene	50	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.16)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Naphthalene	10	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.056)	ND (<0.99)	ND (<0.99)	ND (<0.99)	ND (<0.99)	ND (<0.96)	ND (<0.96)	ND (<0.96)	ND (<0.96)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.10	ND (<0.097)	ND (<0.10)	ND (<0.098)
Phenanthrene	50	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.065)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.20)	ND (<0.19)	ND (<0.19)	ND (<0.19)	ND (<0.19)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Pyrene	50	µg/L	ND (<0.48)	ND (<1.0)	ND (<0.06)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-3

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX													ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	0.35 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	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													ND	ND	ND	ND	ND	0.12	2.65	ND	0.12	0.70
Acenaphthene	20	µg/L	ND (<10)	ND (<0.086)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Acenaphthylene	--	µg/L	ND (<10)	ND (<0.053)	ND (<0.35)	ND (<0.35)	ND (<0.35)	ND (<0.35)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.044)	0.59	ND (<0.044)	ND (<0.044)	ND (<0.044)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.21	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.24	ND (<0.10)	ND (<0.098)	0.11
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.36	ND (<0.10)	ND (<0.098)	0.14
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.20	ND (<0.10)	ND (<0.098)	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.14	ND (<0.10)	ND (<0.098)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	0.68	ND (<0.04)	ND (<0.04)	ND (<0.04)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.26	ND (<0.10)	ND (<0.098)	0.11
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.057)	1.2	ND (<0.057)	ND (<0.057)	ND (<0.057)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.47	ND (<0.10)	ND (<0.098)	0.17
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.59)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	0.16	ND (<0.10)	ND (<0.098)	ND (<0.10)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)
Naphthalene	10	µg/L	ND (<10)	ND (<0.05)	1.2	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.95)	ND (<0.95)	ND (<0.99)	ND (<0.99)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	0.12	ND (<0.098)	ND (<0.10)	0.12	ND (<0.10)
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	0.65	ND (<0.059)	ND (<0.059)	ND (<0.059)	ND (<0.19)	ND (<0.19)	ND (<0.20)	ND (<0.20)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	0.15	ND (<0.10)	ND (<0.098)	ND (<0.10)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	1.0	ND (<0.054)	ND (<0.054)	ND (<0.054)	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	0.46	ND (<0.10)	ND (<0.098)	0.17

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-7

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/24/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX														56.6	26.0	52.1	ND	57.7	43.1	29.9	27.5	32.1	20.2
Benzene	1	µg/L	160	97	93	59	46	31	29	13	ND (<1.0)	17 F1	29	25.0	16.6	25.3	ND (<1.0)	27.1	21.7	15.6	13.5	16.4	11.8
Ethylbenzene	5	µg/L	210	130	130	61	36	24	7	4.6	ND (<1.0)	3.6	16	7.4	1.2	5.2	ND (<1.0)	2.8	2.7	ND(<1.0)	1.5	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	5.1	3.1	3 UB	2.2	2	1.1	1	ND	ND (<1.0)	ND (<1.0)	1.1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.1	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	84	40	52	34	30	19	15	6.1	ND (<2.0)	13	25	24.2	8.2	21.6	ND (<3.0)	26.7	18.7	14.3	12.5	15.7	8.4
SVOCs														260.42	15.14	46.2	ND	39.6	19.9	17.8	6.2	22.81	5.75
Acenaphthene	20	µg/L	7.1	23	58 D	26 E	26	45	18	ND (<0.29)	ND (<0.48)	30 E	40	87.5	0.40	25.7	ND (<0.10)	15.4	9.1	11.7	3.6	17.9	2.1
Acenaphthylene	--	µg/L	ND (<2.4)	ND (<10)	0.78	1.2	ND (<10)	ND (<10)	ND (<10)	ND (<0.29)	ND (<0.29)	0.39	0.39	0.51	ND (<0.098)	0.45	ND (<0.10)	0.38	0.19	0.23	0.12	0.28	ND (<0.10)
Anthracene	50	µg/L	ND (<2.4)	ND (<10)	0.1 J	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	0.54	ND (<0.098)	0.13	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.096)	0.14
Benzo(a)anthracene	0.002	µg/L	2.4 UJ	ND (<1.0)	ND (<0.05)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	0.30 U F2	ND (<0.29)	ND (<0.10)	0.11	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.096)	0.21
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.18	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.13	ND (<0.098)	0.11	ND (<0.096)	0.21
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.55	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.4	0.18	0.22	ND (<0.096)	0.32
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.16	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.14	ND (<0.098)	0.11	ND (<0.096)	0.15
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.50	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.36	ND (<0.098)	ND (<0.11)	ND (<0.096)	0.11
Chrysene	0.002	µg/L	2.4 UJ	ND (<10)	ND (<0.046)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	ND (<0.10)	0.40	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.23	0.13	0.14	ND (<0.096)	0.24
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.096)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<2.4)	ND (<10)	ND (<0.065)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2	ND (<0.48)	0.32	0.83	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.37	0.23	0.20	ND (<0.096)	0.62
Fluorene	50	µg/L	ND (<2.4)	ND (<10)	8	10 E	ND (<10)	6.4	ND (<10)	1.6	ND (<0.48)	5.3 F2	7.7	10.7	ND (<0.098)	4.0	ND (<0.10)	2.8	1.5	1.9	0.3	2.8	0.18
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	0.13	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.12	ND (<0.098)	ND (<0.11)	ND (<0.096)	0.13
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	5.5	ND (<0.098)	1.5	ND (<0.10)	2.7	0.65	0.62	ND (<0.11)	0.22	ND (<0.10)
Naphthalene	10	µg/L	160	83	91 D	19 E	71	18	77	1.6	ND (<0.95)	12 F2 F1	73	152	10.90	13.5	ND (<0.10)	17.9	6.0	2.2	1.3	0.99	0.39
Phenanthrene	50	µg/L	ND (<2.4)	ND (<10)	0.48 J	1.4	ND (<10)	ND (<10)	ND (<10)	0.27J	ND (<0.19)	1.1 F2 F1	1.9	3.0	0.41	0.75	ND (<0.10)	0.45	0.42	0.37	ND (<0.11)	0.62	0.50
Pyrene	50	µg/L	ND (<2.4)	ND (<10)	ND (<0.062)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.49)	ND (<0.48)	0.50 U F2 F1	ND (<0.48)	0.35	0.57	0.12	ND (<0.10)	ND (<0.099)	0.29	0.20	0.16	ND (<0.096)	0.45

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-8

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX												ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	ND (<1.0)	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	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												ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	µg/L	ND (<10)	ND (<0.086)	ND (<0.47)	ND (<10)	ND (<10)	ND (<10)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Acenaphthylene	--	µg/L	ND (<10)	ND (<0.053)	ND (<0.28)	ND (<10)	ND (<10)	ND (<10)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.043)	ND (<0.28)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.31)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.056)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Naphthalene	10	µg/L	ND (<10)	ND (<0.05)	ND (<0.95)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	ND (<0.19)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.21)	ND (<0.21)	ND (<0.20)	ND (<0.20)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.47)	ND (<0.48)	ND (<0.48)	ND (<0.48)	ND (<0.52)	ND (<0.52)	ND (<0.51)	ND (<0.51)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.10)

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-9

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/24/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX														ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	µg/L	ND (<1.0)	ND (<0.41)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	µg/L	ND (<1.0)	ND (<0.74)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	5	µg/L	0.52 J	ND (<0.51)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	ND (<3.0)	ND (<0.66)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<3.0)	ND (<3.0)	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													ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	µg/L	ND (<10)	ND (<0.085)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	26	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Acenaphthylene	--	µg/L	ND (<10)	ND (<0.053)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.29)	ND (<0.29)	2	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.043)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.29)	ND (<0.29)	ND (<1.5)	ND (<0.29)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.056)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	7	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Naphthalene	10	µg/L	ND (<10)	ND (<0.94)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.95)	ND (<0.95)	ND (<5.0)	ND (<0.95)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Phenanthrene	50	µg/L	ND (<10)	ND (<0.058)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.19)	ND (<0.19)	1.2	ND (<0.19)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.48)	ND (<0.48)	ND (<2.5)	ND (<0.48)	ND (<0.10)	ND (<0.096)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.097)

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-10

	NYSDEC TOGS 1.1.1 Guidance Values	Units	06/08/11	10/24/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX															6.9	23.5	5.2	8.6	8.2	3.0	13.8	5.3	10.3
Benzene	1	µg/L	6.8	14	12	21	9.5	12	5.7	2.6	4.2	6.5	6.4	7.9	3.3	8.2	1.9	3.2	3.1	1.7	5.4	2.5	3.6
Ethylbenzene	5	µg/L	5.3	13	12	31	18	20	10	ND (<1.0)	4.2	5.3	10	13.2	3.6	9.6	3.3	3.3	2	1.3	8.4	2.8	4.6
Toluene	5	µg/L	ND (<1.0)	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Xylenes	5	µg/L	5.8	5.6	13	12	6.8	6.6	4	ND (<2.0)	2.4	2.5	3.4	6.6	ND (<3.0)	5.7	ND (<3.0)	2.1	3.1	ND (<3.0)	3.6	ND (<3.0)	2.1
SVOCs														97.6	15.0	37.5	16.5	18.3	13.1	22.8	2.7	12.45	7.74
Acenaphthene	20	µg/L	11	21	24 D	18 E	33	2.5	23	0.30 J	14	ND (<0.48)	29	70.9	9.5	19.3	9.9	10.8	9.0	14.1	0.4	8.20	4.6
Acenaphthylene	--	µg/L	0.91	ND (<10)	1.7	1.9	1.5	ND (<10)	ND (<10)	1.1	ND (<4.9)	ND (<0.29)	ND (<0.29)	2.4	0.68	1.8	0.83	1.1	0.58	1.4	0.12	0.82	0.86
Anthracene	50	µg/L	ND (<0.48)	ND (<10)	0.4 J	1	ND (<0.47)	0.79	ND (<10)	ND (<0.49)	ND (<2.9)	ND (<0.48)	ND (<0.48)	0.84	0.20	0.44	0.27	0.24	0.16	0.26	ND (<0.097)	0.15	0.14
Benzo(a)anthracene	0.002	µg/L	ND (<0.48)	ND (<1.0)	0.12 J	0.37	ND (<0.28)	ND (<0.28)	ND (<0.28)	ND (<0.30)	ND (<2.9)	ND (<0.29)	ND (<0.29)	0.20	ND (<0.096)	0.62	ND (<0.10)	0.11	ND(<0.099)	0.099	0.23	ND (<0.10)	0.21
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.43	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.29	ND (<0.10)	0.10
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.55	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.28	ND (<0.10)	ND (<0.097)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.22	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.18	ND (<0.10)	ND (<0.097)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.35	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)	ND (<0.097)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<10)	0.11 J	ND (<0.50)	ND (<0.47)	ND (<0.47)	ND (<0.47)	ND (<0.49)	ND (<2.9)	ND (<0.48)	ND (<0.48)	0.20	0.098	0.50	ND (<0.10)	0.10	ND(<0.099)	ND (<0.097)	0.23	ND (<0.10)	0.19
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.19	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)	ND (<0.097)
Fluoranthene	50	µg/L	0.83	ND (<10)	1.1	1.9	ND (<0.47)	2	ND (<10)	1.1 J	ND (<2.9)	ND (<0.48)	ND (<0.48)	2.1	0.83	1.8	1.1	1.1	0.70	1.20	0.34	0.85	1.10
Fluorene	50	µg/L	2.1	3.2 J	5.6	7.7	7.2	10	ND (<10)	2.8 J	ND (<2.9)	ND (<0.48)	8.7	9.5	2.6	5.8	2.7	2.6	1.7	2.4	ND (<0.097)	0.67	0.38
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	0.21	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	0.14	ND (<0.10)	ND (<0.097)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND(<0.099)	ND (<0.097)	ND (<0.097)	ND (<0.10)	ND (<0.097)
Naphthalene	10	µg/L	ND (<0.48)	ND (<10)	2.8	4.4	ND (<0.95)	15	ND (<0.95)	ND (<0.99)	ND (<2.9)	ND (<0.95)	ND (<0.95)	5.7	ND (<0.096)	2.0	0.16	0.60	ND(<0.099)	1.2	ND (<0.097)	0.54	0.16
Phenanthrene	50	µg/L	0.5	ND (<10)	0.76	4.4	ND (<0.19)	5.1	ND (<10)	0.39 J	ND (<2.9)	ND (<0.19)	2.7	3.0	0.10	0.92	0.17	0.16	ND(<0.099)	0.54	ND (<0.097)	0.12	ND (<0.097)
Pyrene	50	µg/L	0.98	ND (<10)	1.6	2.5	ND (<0.47)	2.5	ND (<10)	0.81 J	ND (<2.9)	ND (<0.48)	ND (<0.48)	2.8	1.0	2.4	1.4	1.5	0.91	1.6	0.42	1.1	ND (<0.097)

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
MW-12

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/25/11	04/13/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
BTEX													79.9	571	86.4	153.0	60.8	94.2	79.3	14.8	219.2
Benzene	1	µg/L	11	130 D	2.1	150E	89	89	97	95	84	71.9	49.0	207	54.7	91.4	36.5	57.1	48.2	10.5	139
Ethylbenzene	5	µg/L	0.79 J	22	ND (<1.0)	15	7	6.7	8.2	11	11	11.6	8.8	115	10.4	21.1	8.5	13.4	11.7	2.4	30.6
Toluene	5	µg/L	0.92 J	36	ND (<1.0)	48	19	17	16	16	13	13.1	8.3	96.3	8.7	16.4	6.1	9.1	8.1	1.9	21.3
Total Xylenes	5	µg/L	0.88 J	24	ND (<2.0)	49	22	22	22	27	21	19.9	13.8	153	12.6	24.1	9.7	14.6	11.3	ND (<3.0)	28.3
SVOCs												8.7	10.2	25.1	18.1	22.3	10.3	14.8	0.5	16.55	99.62
Acenaphthene	20	µg/L	ND (<10)	0.89	0.94	1.3	1.7	ND (<0.49)	1.3	ND (<2.4)	1.5	0.46	0.45	2.5	1.1	1.7	0.62	0.96	0.36	2.40	4.9
Acenaphthylene	--	µg/L	ND (<10)	0.21 J	ND (<0.29)	0.4	0.41	ND (<0.49)	0.36	ND (<1.5)	0.49	0.16	0.17	0.84	0.33	0.58	0.19	0.31	0.11	0.36	1.4
Anthracene	50	µg/L	ND (<10)	ND (<0.037)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.46	ND (<0.099)
Benzo(a)anthracene	0.002	µg/L	ND (<1.0)	ND (<0.044)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.29)	ND (<0.30)	ND (<1.5)	ND (<0.29)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.23	ND (<0.099)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.12	ND (<0.099)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.23	ND (<0.099)
Benzo(g,h,i)perylene	--	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)	ND (<0.099)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)	ND (<0.099)
Chrysene	0.002	µg/L	ND (<10)	ND (<0.04)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	0.25	ND (<0.099)
Dibenz(a,h)anthracene	--	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)	ND (<0.099)
Fluoranthene	50	µg/L	ND (<10)	ND (<0.057)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	1.0	ND (<0.099)
Fluorene	50	µg/L	ND (<10)	ND (<0.15)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	0.10	0.11	0.64	0.27	0.51	0.17	0.28	ND (<0.097)	2.7	1.4
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	-	-	-	-	-	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	ND (<0.10)	ND (<0.099)
2-Methylnaphthalene	--	µg/L	-	-	-	-	-	-	-	-	-	0.48	0.59	2.0	1.4	2.1	0.81	1.2	ND (<0.097)	0.2	5.4
Naphthalene	10	µg/L	ND (<10)	5.5	5.1	4.1	27	36	ND (<0.20)	25	23	7.5	8.9	18.8	14.9	17.1	9.2	11.9	ND (<0.097)	1.8	85.6
Phenanthrene	50	µg/L	ND (<10)	ND (<0.059)	ND (<0.19)	0.19	ND (<0.19)	ND (<0.19)	ND (<0.20)	ND (<0.97)	0.2	ND (<0.10)	ND (<0.10)	0.34	0.12	0.31	0.10	0.18	ND (<0.097)	5.7	0.92
Pyrene	50	µg/L	ND (<10)	ND (<0.054)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.50)	ND (<2.4)	ND (<0.48)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.097)	1.1	ND (<0.099)

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS



Table 2

Groundwater Analytical Data
EW-1

	NYSDEC TOGS 1.1.1 Guidance Values	Units	10/11/12	10/09/13	10/20/14	10/30/15	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
BTEX								104.3	191	104.7	209.3	131.4	200.6	197.0	301.3
Benzene	1	µg/L	3.4	200	310	28	21.6	91.5	177	95.1	192	114	189	180	284
Ethylbenzene	5	µg/L	ND (<1.0)	16	3.8	ND (<1.0)	ND (<1.0)	8.1	4.2	6.1	7.6	10.7	4.9	11.6	5.6
Toluene	5	µg/L	ND (<1.0)	1.8	1.5	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.2	ND (<1.0)	1.6	ND(<1.0)	1.1	ND (<1.0)	2.2
Total Xylenes	5	µg/L	ND (<2.0)	8.1	7.3	2.1	ND (<3.0)	4.7	8.1	3.5	8.1	6.7	5.6	5.4	9.5
SVOCs							17.99	2.44	14.0	1.7	17.17	7.58	17.95	5.78	17.91
Acenaphthene	20	µg/L	13 E	16	0.97	3.3	9.3	ND (<0.096)	6.2	ND (<0.099)	7.8	4.6	7.9	3.1	8.6
Acenaphthylene	- -	µg/L	1.3	0.88	ND (<0.48)	ND (<0.32)	0.55	1.30	0.76	0.43	1.0	0.46	0.98	0.54	0.86
Anthracene	50	µg/L	ND (<0.48)	ND (<0.49)	ND (<0.49)	ND (<0.53)	0.13	ND (<0.096)	0.16	ND (<0.099)	0.24	ND (<0.10)	0.24	ND (<0.10)	0.22
Benzo(a)anthracene	0.002	µg/L	ND (<0.29)	ND (<0.30)	ND (<0.30)	ND (<0.32)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	0.10	ND (<0.10)	0.11	ND (<0.10)	ND (<0.098)
Benzo(a)pyrene	ND	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(b)fluoranthene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(g,h,i)perylene	- -	µg/L	-	-	-	-	0.13	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Benzo(k)fluoranthene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Chrysene	0.002	µg/L	ND (<0.48)	ND (<0.49)	ND (<0.49)	ND (<0.53)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	0.11	ND (<0.10)	0.11	ND (<0.10)	ND (<0.098)
Dibenz(a,h)anthracene	- -	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Fluoranthene	50	µg/L	4	4.1	2.2	0.93	1.5	0.40	1.5	0.30	1.6	0.63	1.7	0.94	1.2
Fluorene	50	µg/L	3	2.2	5.3	ND (<0.53)	3.2	ND (<0.096)	2.6	ND (<0.099)	3.1	1.1	3.4	ND (<0.10)	3.4
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
2-Methylnaphthalene	- -	µg/L	-	-	-	-	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.098)
Naphthalene	10	µg/L	1.2	ND (<0.99)	2.6	ND (<1.1)	1.1	ND (<0.096)	0.76	ND (<0.099)	0.86	ND (<0.10)	0.87	ND (<0.10)	1.7
Phenanthrene	50	µg/L	0.38	ND (<0.20)	0.23	ND (<0.21)	0.18	ND (<0.096)	0.13	ND (<0.099)	0.26	ND (<0.10)	0.44	ND (<0.10)	0.43
Pyrene	50	µg/L	4.5	4.6	2.7	0.68	1.9	0.74	1.9	1.0	2.1	0.79	2.2	1.2	1.5

Notes:

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

E = Results exceeded calibration range

D = Compound quantitated using a secondary dilution

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

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

Bolded = values indicate exceedance of the NYSDEC AWQS

2021 Semi-Annual Groundwater Monitoring Report (January through June)
National Grid Fort Plain Former MGP Site
14 Hancock Street, Fort Plain, NY 13339



Total BTEX and SVOCs
units in µg/L

MW-2	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/30/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND

MW-3	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	5.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	2.65	ND	0.12	0.70

MW-7	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	459.1	270.1	278.0	156.2	114.0	75.1	51.5	17.6	ND	33.6	71.1	56.6	26.00	52.1	ND	57.7	43.1	29.9	27.5	32.1	20.2
Total SVOCs	167.1	106.0	157.0	57.6	97.0	69.4	95.0	3.2	ND	48.8	123.0	260.42	15.14	46.2	ND	39.63	19.9	17.8	6.2	22.81	5.75

MW-8	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-9	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

MW-10	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/28/15	04/21/16	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	17.9	33.6	37.0	64.0	34.3	38.6	19.7	2.6	10.8	14.3	19.8	27.7	6.90	23.5	5.2	8.6	8.2	3.0	13.8	5.3	10.3
Total SVOCs	16.3	24.2	38.2	42.2	41.7	37.9	23.0	6.2	14	ND	40.4	97.64	15.01	37.5	16.53	18.31	13.05	22.80	2.65	12.45	7.74

MW-12	06/08/11	10/25/11	04/12/12	10/11/12	04/19/13	10/09/13	04/07/14	10/20/14	04/15/15	10/30/15	04/21/16	10/19/2016	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20	04/01/21
Total BTEX	234	13.6	212	2.1	262	137	134.7	143.2	149	53.8	129	116.5	79.90	571	86.4	153	60.8	94.2	79.3	14.8	219.2
Total SVOCs	ND	ND	6.6	6	6	29.1	36	1.66	25	4.6	25.19	8.7	10.22	25.1	18.12	22.3	10.28	14.83	0.47	16.55	99.62

EW-1	10/11/12	10/09/13	10/20/14	10/30/15	10/19/16	04/13/17	10/19/17	04/05/18	10/10/18	04/04/19	10/10/19	06/10/20	10/14/20
Total BTEX	3.4	225.9	322.6	32.2	21.6	104.30	191	104.7	209.3	131.4	200.6	197.0	301.3
Total SVOCs	27.4	27.8	14	4.91	17.99	2.44	14.0	1.73	17.17	7.58	17.95	5.78	17.91

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.
SVOC - Semi-Volatile Organic Compounds.
ND - Not Detected.



Appendix A – Field Data

**Field Inspection Form
Former MGP Site
Fort Plain, New York**

Date: 1/14/2021
Technician: KL

Time: 10:00
Weather: Cloudy 32

Site Controls				
Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Main Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG/GES	OPERATIONAL	NON-OPERATIONAL	COMMENTS:	

General Site Conditions				
Condition of Monitoring Wells	GOOD	FAIR	POOR	COMMENTS:
Condition of Pavement (Rt. 5S Diner)	GOOD	FAIR	POOR	COMMENTS:
Evidence of Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:

NOTE: Asphalt pavement on surrounding properties is not part of the Site Remedy.

Former MGP Property Cover system				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Borrowing or Depressions	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Swale				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Basin				
Condition of Basin	GOOD	FAIR	POOR	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Depth to Water	1.83	feet below ground surface	COMMENTS:	

Concrete Block Retaining Wall (north of the former MGP property)				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

NOTE: Concrete block retaining wall is not part of the Site Remedy.

Southern Gas Holder Retaining Wall				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

Hillside (west of the former MGP property)				
Condition of Hill	GOOD	FAIR	POOR	COMMENTS:
Any Obvious Movement	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

MW-6 is destroyed.

Wells: MW-2, MW-7, MW-8, MW-9 and MW-10 had new manholes installed on November 24, 2015.

**Field Inspection Form
Former MGP Site
Fort Plain, New York**

Date: 4/1/2021
Technician: KL

Time: 9:00
Weather: Cloudy 34

Site Controls				
Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Main Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG/GES	OPERATIONAL	NON-OPERATIONAL	COMMENTS:	

General Site Conditions				
Condition of Monitoring Wells	GOOD	FAIR	POOR	COMMENTS:
Condition of Pavement (Rt. 5S Diner)	GOOD	FAIR	POOR	COMMENTS:
Evidence of Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:

NOTE: Asphalt pavement on surrounding properties is not part of the Site Remedy.

Former MGP Property Cover system				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Borrowing or Depressions	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Settlement	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Swale				
Vegetative Growth	NONE	MINOR	SIGNIFICANT	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Missing Stone	NONE	MINOR	SIGNIFICANT	COMMENTS:
Standing Water	NONE	MINOR	SIGNIFICANT	COMMENTS:
Damage or Failure	NONE	MINOR	SIGNIFICANT	COMMENTS:

Drainage Basin				
Condition of Basin	GOOD	FAIR	POOR	COMMENTS:
Evidence of Sedimentation	NONE	MINOR	SIGNIFICANT	COMMENTS:
Depth to Water	1.50	feet below ground surface	COMMENTS:	

Concrete Block Retaining Wall (north of the former MGP property)				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

NOTE: Concrete block retaining wall is not part of the Site Remedy.

Southern Gas Holder Retaining Wall				
Condition of Wall	GOOD	FAIR	POOR	COMMENTS:

Hillside (west of the former MGP property)				
Condition of Hill	GOOD	FAIR	POOR	COMMENTS:
Any Obvious Movement	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

MW-6 is destroyed.

Sampling Personnel: Peter Lora
Job Number: 0603200-133390-221
Well Id. MW-2

Date: 4/1/21
Weather: 40° cloudy
Time In: 1145 Time Out: 1230

Well Information		TOC	Other
Depth to Water:	(feet)	<u>4.20</u>	
Depth to Bottom:	(feet)	<u>17.81</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>13.61</u>	
Volume of Water in Well:	(gal)	<u>2.17</u>	
Three Well Volumes:	(gal)	<u>6.53</u>	

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

Purging Information	
Purging Method:	Bailer ☐ Peristaltic ☒ Well Wizard Dedicated Pump ☐
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☒ Polyethylene ☒ other
Sampling Method:	Bailer ☒ Peristaltic ☒ Well Wizard Dedicated Pump ☐
Average Pumping Rate:	(ml/min) <u>300</u>
Duration of Pumping:	(min) <u>30</u>
Total Volume Removed:	(gal) <u>2</u>
Did well go dry? Yes ☐ No ☒	
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐	

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1150</u>	<u>5.48</u>	<u>7.68</u>	<u>6.96</u>	<u>-190</u>	<u>.926</u>	<u>7.3</u>	<u>1.13</u>	<u>.592</u>
<u>1155</u>	<u>6.14</u>	<u>7.66</u>	<u>6.92</u>	<u>-192</u>	<u>.911</u>	<u>5.4</u>	<u>.92</u>	<u>.582</u>
<u>1200</u>	<u>6.59</u>	<u>7.59</u>	<u>6.99</u>	<u>-192</u>	<u>.906</u>	<u>6.0</u>	<u>.82</u>	<u>.580</u>
<u>1205</u>	<u>6.94</u>	<u>7.48</u>	<u>7.01</u>	<u>-191</u>	<u>.905</u>	<u>5.3</u>	<u>.82</u>	<u>.579</u>
<u>1210</u>	<u>7.20</u>	<u>7.39</u>	<u>7.02</u>	<u>-191</u>	<u>.906</u>	<u>5.0</u>	<u>.84</u>	<u>.580</u>
<u>1215</u>	<u>7.50</u>	<u>7.30</u>	<u>7.03</u>	<u>-189</u>	<u>.907</u>	<u>5.4</u>	<u>.77</u>	<u>.581</u>
<u>1220</u>	<u>7.72</u>	<u>7.21</u>	<u>7.04</u>	<u>-189</u>	<u>.908</u>	<u>5.2</u>	<u>.89</u>	<u>.582</u>

Sampling Information:	
EPA SW-846 Method 8270	SVOC PAH's
EPA SW-846 Method 8260	VOC's BTEX
2 - 100 ml amber	Yes ☒ No ☐
3 - 40 mL vials	Yes ☒ No ☐
Sample ID: <u>MW-2-0421</u>	Duplicate? Yes ☐ No ☒
Sample Time: <u>1220</u>	MS/MSD? Yes ☐ No ☒
Shipped: Pace Courier ☒	Fed-Ex ☐ UPS ☐
Laboratory: PACE Analytical	Greensburg, PA
Comments/Notes:	

Sampling Personnel: K
Job Number: 0603200-133390-221
Well Id. **MW-7**

Date: 4/1/21
Weather: Cloudy 34°
Time In: 09:30 Time Out: 12:30

Well Information		TOC	Other
Depth to Water:	(feet)	<u>16.48</u>	
Depth to Bottom:	(feet)	<u>22.72</u>	
Depth to Product:	(feet)	<u>—</u>	
Length of Water Column:	(feet)	<u>6.24</u>	
Volume of Water in Well:	(gal)	<u>1.998</u>	
Three Well Volumes:	(gal)	<u>2.99</u>	

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>09:50</u>	<u>16.65</u>	<u>11.24</u>	<u>7.42</u>	<u>-6</u>	<u>2.22</u>	<u>57.7</u>	<u>11.34</u>	<u>1.42</u>
<u>09:55</u>	<u>16.65</u>	<u>11.11</u>	<u>7.62</u>	<u>21</u>	<u>2.28</u>	<u>52.1</u>	<u>9.79</u>	<u>1.45</u>
<u>10:00</u>	<u>16.65</u>	<u>11.07</u>	<u>7.69</u>	<u>23</u>	<u>2.23</u>	<u>52.0</u>	<u>7.99</u>	<u>1.43</u>
<u>10:05</u>	<u>16.65</u>	<u>10.94</u>	<u>7.57</u>	<u>30</u>	<u>2.05</u>	<u>21.1</u>	<u>5.45</u>	<u>1.30</u>
<u>10:10</u>	<u>16.65</u>	<u>10.87</u>	<u>7.36</u>	<u>-29</u>	<u>1.80</u>	<u>16.1</u>	<u>3.99</u>	<u>1.15</u>
<u>10:15</u>	<u>16.65</u>	<u>10.87</u>	<u>7.26</u>	<u>-59</u>	<u>1.69</u>	<u>3.6</u>	<u>3.34</u>	<u>1.08</u>
<u>10:20</u>	<u>16.65</u>	<u>10.83</u>	<u>7.20</u>	<u>-74</u>	<u>1.62</u>	<u>2.2</u>	<u>2.97</u>	<u>1.03</u>

Sampling Information:		6 - 100 ml amber		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	9 - 40 mL vials		Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX			
MW-7-MS-0421 and MW-7-MSD-0421				
Sample ID: <u>MW-7-0421</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒		
Sample Time: <u>10:20</u>	MS? Yes ☒ No ☐	Fed-Ex ☐ UPS ☐		
Comments/Notes: 		Laboratory: PACE Analytical Greensburg, PA		

Sampling Personnel: K
Job Number: 0603200-133390-221
Well Id. **MW-10**

Date: 4/1/21
Weather: Cloudy 34
Time In: 10:20 Time Out: _____

Well Information		TOC	Other
Depth to Water:	(feet)	<u>18.05</u>	
Depth to Bottom:	(feet)	22.92	
Depth to Product:	(feet)	<u>✓</u>	
Length of Water Column:	(feet)	<u>4.07</u>	
Volume of Water in Well:	(gal)	<u>1.65</u>	
Three Well Volumes:	(gal)	<u>1.95</u>	

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:35	19.14	10.71	7.27	-23	1.86	333	8.45	1.22
10:40	20.30	11.04	7.11	-119	2.12	205	1.82	1.36
10:45	20.45	11.12	7.12	-128	2.14	163	2.76	1.37
10:50	21.03	11.30	7.14	-138	2.14	151	2.60	1.37
10:55	21.28	11.32	7.16	-154	2.07	132	2.60	1.32
11:00	21.51	11.36	7.15	-164	2.02	122	2.33	1.29
11:05	21.91	11.42	7.15	-168	2.03	119	2.34	1.30

Sampling Information:		2 - 100 ml amber		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	3 - 40 mL vials	Yes ☒ No ☐	
EPA SW-846 Method 8260	VOC's BTEX			
Sample ID: MW-10-0421	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒	Fed-Ex ☐ UPS ☐	
Sample Time: <u>11:05</u>	MS/MSD? Yes ☐ No ☒	Laboratory: PACE Analytical	Greensburg, PA	
Comments/Notes: _____				

Sampling Personnel: K
Job Number: 0603200-133390-221
Well Id. **MW-8**

Date: 4/1/21
Weather: Clear 34
Time In: 12:00 Time Out: 12:40

Well Information		TOC	Other
Depth to Water:	(feet)	<u>19.88</u>	
Depth to Bottom:	(feet)	<u>24.52</u>	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	<u>5.64</u>	
Volume of Water in Well:	(gal)	<u>0.902</u>	
Three Well Volumes:	(gal)	<u>2.70</u>	

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

Purging Information

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

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)
12:05	18.94	10.51	7.39	14	1.59	52.3	6.49	1.01
12:10	18.96	11.06	7.25	23	1.53	12.2	6.20	0.987
12:15	18.96	11.13	7.21	34	1.50	6.3	7.06	0.961
12:20	18.96	11.20	7.21	40	1.49	6.2	7.33	0.957
12:25	18.96	11.19	7.22	44	1.49	6.5	7.28	0.955
12:30	18.96	11.15	7.21	48	1.49	2.6	7.37	0.956
12:35	18.96	11.22	7.22	52	1.49	1.5	7.40	0.965

Sampling Information:

EPA SW-846 Method 8270 SVOC PAH's 2 - 100 ml amber Yes ☒ No ☐
 EPA SW-846 Method 8260 VOC's BTEX 3 - 40 mL vials Yes ☒ No ☐
 Sample ID: **MW-8-0421** Duplicate? Yes ☐ No ☒
 Sample Time: 12:33 MS/MSD? Yes ☐ No ☒
 Shipped: Pace Courier ☒ Fed-Ex ☐ UPS ☐
 Laboratory: PACE Analytical Greensburg, PA
 Comments/Notes: ☐

Sampling Personnel: 12
Job Number: 0603200-133390-221
Well Id. **MW-9**

Date: 4/1/21
Weather: Cloud 34
Time In: 11:15 Time Out: (12:40)

Well Information			TOC	Other
Depth to Water:	(feet)	<u>21.28</u>		
Depth to Bottom:	(feet)	<u>25.35</u>		
Depth to Product:	(feet)	<u>—</u>		
Length of Water Column:	(feet)	<u>4.07</u>		
Volume of Water in Well:	(gal)	<u>0.65</u>		
Three Well Volumes:	(gal)	<u>1.95</u>		

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

Purging Information			
Purging Method:	Bailer ☐	Peristaltic ☒	Well Wizard Dedicated Pump ☐
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒ other
Sampling Method:	Bailer ☒	Peristaltic ☐	Well Wizard Dedicated Pump ☐
Average Pumping Rate:	(ml/min)	<u>200</u>	
Duration of Pumping:	(min)	<u>30</u>	
Total Volume Removed:	(gal)	<u>2</u>	Did well go dry? Yes ☐ No ☒
Horiba U-52 Water Quality Meter Used?		Yes ☒ No ☐	

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:20	21.30	10.91	7.45	-110	2.09	201	4.12	1.33
11:25	21.35	10.50	7.29	-89	2.32	103	1.49	1.48
11:30	21.35	10.27	7.28	-74	2.32	90.6	1.34	1.48
11:35	21.35	10.20	7.30	-65	2.35	86.7	1.32	1.51
11:40	21.35	10.25	7.30	-61	2.34	74.5	1.79	1.50
11:45	21.35	10.21	7.31	-51	2.35	101	2.47	1.51
11:50	21.35	10.21	7.32	-39	2.34	92.4	3.29	1.50

Sampling Information:			
EPA SW-846 Method 8270	SVOC PAH's	4 - 100 ml amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	6 - 40 mL vials	Yes ☒ No ☐
FD-0421			
Sample ID: MW-9-0421	Duplicate? Yes ☒ No ☐	Shipped: Pace Courier ☒	
Sample Time: <u>11:50</u>	MS? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐	
Comments/Notes: 		Laboratory: PACE Analytical Greensburg, PA	

Sampling Personnel: Peter Lyon
Job Number: 0603200-133390-221
Well Id. MW-12

Date: 4/1/21
Weather: 40° Cloudy
Time In: 1045 Time Out: 1130

Well Information		TOC	Other
Depth to Water:	(feet)	<u>2.53</u>	
Depth to Bottom:	(feet)	<u>22.92</u>	
Depth to Product:	(feet)	<u>-</u>	
Length of Water Column:	(feet)	<u>20.39</u>	
Volume of Water in Well:	(gal)	<u>3.26</u>	
Three Well Volumes:	(gal)	<u>9.78</u>	

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

Purging Information		Conversion Factors				
Purging Method:	Bailer ☐ Peristaltic ☒ Well Wizard Dedicated Pump ☐	gal/ft.	1" ID	2" ID	4" ID	6" ID
Tubing/Bailer Material:	Teflon ☐ Stainless St. ☒ Polyethylene ☒ other	of				
Sampling Method:	Bailer ☒ Peristaltic ☒ Well Wizard Dedicated Pump ☐	water	0.04	0.16	0.66	1.47
Average Pumping Rate:	(ml/min) <u>200</u>	1 gallon=3.785L=3785mL=133.7cu. feet				
Duration of Pumping:	(min) <u>30</u>					
Total Volume Removed:	(gal) <u>2</u>	Did well go dry? Yes ☐ No ☒				
Horiba U-52 Water Quality Meter Used? Yes ☒ No ☐						

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
<u>1050</u>	<u>2.54</u>	<u>6.96</u>	<u>6.58</u>	<u>-20</u>	<u>1.08</u>	<u>8.6</u>	<u>10.33</u>	<u>1.704</u>
<u>1055</u>	<u>2.54</u>	<u>6.73</u>	<u>6.95</u>	<u>-38</u>	<u>1.17</u>	<u>19.9</u>	<u>9.72</u>	<u>1.748</u>
<u>1100</u>	<u>2.54</u>	<u>6.52</u>	<u>7.10</u>	<u>-46</u>	<u>1.15</u>	<u>28.3</u>	<u>9.05</u>	<u>1.739</u>
<u>1105</u>	<u>2.54</u>	<u>6.49</u>	<u>7.17</u>	<u>-50</u>	<u>1.15</u>	<u>26.3</u>	<u>8.38</u>	<u>1.733</u>
<u>1110</u>	<u>2.54</u>	<u>6.45</u>	<u>7.21</u>	<u>-48</u>	<u>1.10</u>	<u>18.0</u>	<u>7.76</u>	<u>1.703</u>
<u>1115</u>	<u>2.54</u>	<u>6.30</u>	<u>7.21</u>	<u>-37</u>	<u>1.05</u>	<u>7.0</u>	<u>7.13</u>	<u>1.674</u>
<u>1120</u>	<u>2.54</u>	<u>6.29</u>	<u>7.19</u>	<u>-35</u>	<u>1.08</u>	<u>7.0</u>	<u>6.71</u>	<u>1.692</u>

Sampling Information:		2 - 100 ml amber		Yes ☒ No ☐
EPA SW-846 Method 8270	SVOC PAH's	3 - 40 mL vials		Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX			
Sample ID: <u>MW-12-0421</u>	Duplicate? Yes ☐ No ☒	Shipped: Pace Courier ☒		
Sample Time: <u>1120</u>	MS/MSD? Yes ☐ No ☒	Fed-Ex ☐ UPS ☐		
Comments/Notes:		Laboratory: PACE Analytical		
		Greensburg, PA		



Appendix B – Data Usability Summary Report



May 7, 2021

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

RE: Data Usability Summary Report for National Grid - Fort Plain, NY Site Data Package
Pace Analytical Job No. 30413513

Groundwater & Environmental Services, Inc. (GES) reviewed one data packages (Laboratory Project Number 30413513) from Pace Analytical Services, Inc., for the analysis of groundwater samples collected on April 1, 2021 from monitoring wells located at the National Grid Fort Plain, NY Site. Seven aqueous samples and one field duplicate were analyzed for select volatile organics and PAHs. One trip blank was analyzed for select volatile organics. Methodologies utilized are the USEPA SW846 methods 8260C and 8270D, 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 (M S / M S D) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs
- Sample Quantitation and Identification

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

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.

Instrumental tune results were within EPA guidance.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times are met. Surrogate and internal standard recoveries are within required limits. The applicable duplicate correlations fall within guidance limits. There are no positive detections in the field or laboratory blanks. Calibration recoveries are within project specifications. Field precision was not measured as neither the sample MW-9 nor the duplicate taken at MW-9 location reported concentrations above the detection level.

PAHs by EPA8270C/NYSDEC ASP

Sample holding times are met. Surrogate and internal standard recoveries are within required limits. The applicable duplicate correlations fall within guidance limits. There are no positive detections in the field or laboratory blanks. Laboratory control and matrix spike recoveries fell within specified guidelines. Calibration recoveries are within project specifications. Field precision was not measured as neither the sample MW-9 nor the duplicate taken at MW-9 location reported concentrations above the detection level.

Data Package Completeness

Specific 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.

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

Bonnie Janowiak, Ph.D.
Project Chemist
701 N Main St, Suite 201
Blacksburg, VA 24060

VALIDATION DATA QUALIFIER DEFINITIONS

- U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- J-** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- J+** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- UJ** The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R** The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.

Sample Summaries and Laboratory Case Narratives

SAMPLE SUMMARY

Project: National Grid - Fort Plain, NY

Pace Project No.: 30413513

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30413513001	MW-2-0421	Water	04/01/21 12:20	04/05/21 08:50
30413513002	MW-3-0421	Water	04/01/21 10:30	04/05/21 08:50
30413513003	MW-7-0421	Water	04/01/21 10:20	04/05/21 08:50
30413513004	MW-7-MS-0421	Water	04/01/21 10:20	04/05/21 08:50
30413513005	MW-7-MSD-0421	Water	04/01/21 10:20	04/05/21 08:50
30413513006	MW-8-0421	Water	04/01/21 11:20	04/05/21 08:50
30413513007	MW-9-0421	Water	04/01/21 11:50	04/05/21 08:50
30413513008	MW-10-0421	Water	04/01/21 11:05	04/05/21 08:50
30413513009	MW-12-0421	Water	04/01/21 12:35	04/05/21 08:50
30413513010	FD-0421	Water	04/01/21 00:01	04/05/21 08:50
30413513011	Trip Blank	Water	04/01/21 00:01	04/05/21 08:50

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30413513

Method: EPA 8270D by SIM

Description: 8270D PAH SIM Reduced Volume

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

Date: April 12, 2021

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Fort Plain, NY

Pace Project No.: 30413513

Method: EPA 8260C

Description: 8260C MSV

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

Date: April 12, 2021

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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