nationalgrid

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

August 17, 2018

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

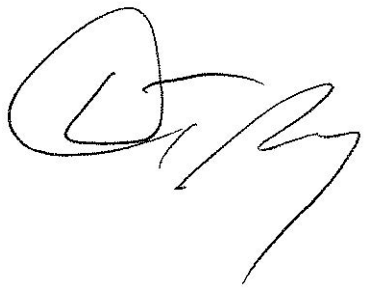
Re: ***National Grid Troy – Liberty Street***
Troy, New York
Site # V000482
2018 Periodic Review Report

Dear Mr. Deyette:

Attached for your review is the 2018 annual Periodic Review Report with the Institutional Controls / Engineering Controls Certification Forms for the National Grid Troy – Liberty Site in Troy, NY (Site #V000482***)***. The PRR pertains to the period from June 16, 2015 to July 20, 2018.

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

Sincerely,



for SPS

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

Attachments

cc: Devin Shay - Groundwater & Environmental Services, Inc.

Periodic Review Report
National Grid Troy – Liberty Street
NYSDEC Site # V000482
August 17, 2018

I. Executive Summary

A. **Brief Site Summary** – The Troy (Liberty Street) Non-Owned Former Manufactured Gas Plant (MGP) (the "Site") is a roughly rectangular parcel comprising 1.016 acres in an urban residential / commercial area in the city of Troy's "Little Italy" neighborhood, part of Rensselaer County. The Site was operated as a MGP site between 1848 and 1889 by the Troy Gas Light Company, with all of the MGP buildings demolished by 1899. Site contamination related to the coal tar byproduct of MGP operations is concentrated in two areas of the site. The Site is currently used as a farmer's market and for various community activities.

National Grid entered into a Voluntary Cleanup Order (VCO) with the New York State Department of Environmental Conservation (NYSDEC) as part of the Voluntary Cleanup Program (VCP), which was executed on July 3, 2001. An initial site assessment and follow-up Remedial Investigation (RI) took place between 2005 and 2011. National Grid submitted a Remedial Action Work Plan (RAWP) to NYSDEC in August 2013, and the Remedial Action was completed in July 2014. In April 2015, GEI Consultants, P.C., (GEI) submitted a Site Management Plan (SMP) to the NYSDEC to manage remaining contamination at the Site.

B. **Remedial Program Effectiveness** – The ongoing goals of the remedial program include prevention of exposure to MGP-related soil contamination and groundwater contamination exceeding class GA standards for groundwater outlined in the NYSDEC Technical and Operational Guidance Series (TOGS) Section 1.1.1. During the reporting period (June 16, 2015, to July 20, 2018), the remedial objectives were met for the Site. The remedial program remains sufficient to achieve the long term remedial objectives for the Site.

C. **Remedial Program Compliance** - The major elements within the Site Management Plan are in compliance. Attachments 1 and 2 present the 2016 and 2017 Groundwater Sampling Reports, respectively, which outline the site monitoring activities conducted in those years. Attachment 3 presents the 2014-2015 Interim Review Report which details compliance with the SMP during that period and includes the 2014 and 2015 Groundwater Sampling Reports.

D. **Remedial Program Recommendations** - It is recommended that no changes be made to the SMP. It is recommended that the PRR submittal frequency remain annual as noted in the SMP. The next PRR submittal deadline will be August 19, 2019.

II. Site Overview

A. **Site Location and Features –** The Site comprises approximately 1.016 acres of paved land and lies approximately 35 feet above the North American Vertical Datum of 1988 (NAVD88). The Site is bordered by Fifth Avenue to the east, Washington Street to the south, Hill Street to the west, and Liberty Street to the north. Refer to Figures 1 and 2 in Attachment 1 for a site location map and site map, respectively.

The Site was formerly an MGP which was active from 1848 until 1889 and operated by the Troy Gas Light Company. Coal gas was emitted by heating coal in air-tight ovens. This coal gas product stream was pumped into circular gas holders, the foundations of which remain in the subsurface at the Site. As a by-product of the coal gas manufacturing operations on the Site, coal tar was condensed out of the gas product stream. This coal tar was stored in two tar wells, with one located in the northern end of the Site between the two gas holders and the other located at the southern end of the Site. These coal tar sources caused the environmental impacts at the Site. All of the MGP related buildings were demolished in 1899 when the City of Troy purchased the property.

B. **Remedy Features and Chronology –** National Grid entered into a VCO with the NYSDEC as part of the VCP, which was executed on July 3, 2001. An initial site assessment was conducted in 2005 by National Grid, with a follow-up RI conducted between 2006 and 2011. The Final RI report was approved by the NYSDEC on August 31, 2012. In August 2013, National Grid submitted an Alternatives Analysis (AA) and a RAWP to NYSDEC, which were approved on January 3, 2014.

The remedial action was conducted in July 2014. This action resulted in 502.7 tons of brick and impacted soil removed from the northern tar well area and 3,287 tons of brick and impacted soil removed from the southern tar well area. The removed soils were excavated to a depth of 20 to 22 feet, with fluorescent orange plastic fencing placed at the bottom of the excavation to demarcate the boundary between native and backfilled soil. A soil cover system comprised of 2.5 inches Type 3 asphalt binder and 1.5 inches hot asphalt wear layer were placed at the two excavation locations.

Following the remedial action, an SMP was submitted by GEI in April 2015 to manage contamination that remained following the remedial action. This SMP details Engineering and Institutional Controls (EC/ICs), groundwater monitoring, and periodic inspections to monitor and manage the remaining contamination at the Site.

A Declaration of Covenants and Restrictions was issued by the City of Troy on September 14, 2016. A Temporary Access Agreement was granted on December 19, 2017. Groundwater and Environmental Services, Inc., (GES) took over the long term monitoring program from GEI in October 2017.

III. Evaluate Remedy Performance, Effectiveness and Protectiveness

A. **Evaluation of Remedy Performance –** The Site is in good condition, with the asphalt barrier layer continuing to serve its intended purpose. See Attachment 5 for site inspection forms generated since GES took over the monitoring program.

IV. Institutional Controls/ Engineering Controls (IC/EC) Plan Compliance Report

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

1. **IC/EC Controls -**
   The ICs/ECs include:

   - Asphalt barrier layer;
   - Regular inspection of all ECs; and,
   - Restricting use of the Site to commercial uses only.

2. **IC/EC Goals –**
   The goal for these features include:

   - Inspect the permanent asphalt cover system to assess the quality and integrity of this system at defined, regular (annual) intervals in perpetuity.

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

4. **IC/EC Conclusions/Recommendations** – Each goal is being met and/or working effectively. The program is in compliance and there are no recommendations at this time.

B. **IC/EC Certification –** Refer to Attachment 4 for the certification form.

V. Monitoring Plan Compliance Report

A. **Monitoring Plan Requirements –** The SMP dated April 2015 calls for annual groundwater sampling and groundwater elevation gauging for a duration of 3 years, at which time the sampling frequency and extent will be reevaluated. Groundwater samples are to be evaluated for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) via EPA Method 8260B and for Polycyclic Aromatic Hydrocarbons (PAHs) via EPA Method 8270C. Samples are to be collected using low-flow sampling techniques via a peristaltic pump.

The Monitoring Plan also calls for annual site-wide inspections to assess the effectiveness of and continued compliance with all EC/ICs. The results pertaining to this Monitoring Plan are to be reported to the NYSDEC on an annual basis.

B. **Monitoring Plan Compliance –** During the reporting period (June 16, 2015, to July 20, 2018), annual groundwater gauging and sampling events were conducted on October 7, 2015; November 9, 2016; and October 12, 2017. No compounds were detected above New York State Ambient Water Quality Standards (AWQS) in any wells at any of the events, with the exception of BMW-203(06) in the 2017 sampling event. Site Inspections during the reporting period were conducted annually at a minimum, as stipulated by the SMP. Refer to Attachments 1 through 3 for Groundwater Reports from 2014 to 2017 detailing the results of sampling events throughout the reporting period.

VI. OM&M Plan Compliance Report – Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

1. **Requirements -** All IC/EC Plan requirements were met during this reporting period.

2. **Exposure Pathways –** There are no new completed exposure pathways resulting in unacceptable risk.

3. **Proposed Plans and Schedule to Meet Compliance –** No plan proposed.

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

C. Future PRR Submittals – The frequency of PRR Submittals should remain annual. Therefore, the next PRR submittal deadline will be August 19, 2019.

VIII. Additional Guidance - Not Needed

Attachment 1 – 2017 Groundwater Report

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

January 29, 2018

Mr. Scott Deyette
Chief, Inspection Unit
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7012

Re: 2017 Post-Remediation Groundwater Sampling
Liberty Street Non-Owned Former Manufactured Gas Plant (MGP) Site Troy, New York
NYSDEC Site # V000482

Dear Mr. Deyette:

On behalf of National Grid, Groundwater & Environmental Services, Inc., (GES) has prepared this 2017 Groundwater Sampling Report describing groundwater monitoring activities conducted at the National Grid Troy Liberty Street Non-Owned Former MGP Site in Troy, New York (the "Site", see Figure 1). Activities at the site consist of an annual inspection and groundwater sampling/monitoring event. GES took over the long-term monitoring program from GEI Consultants, Inc., P.C., in October 2017.

The following piezometers and monitoring wells were decommissioned prior to remediation in 2014, with concurrence from New York State Department of Environmental Conservation:

- B/MW-103(05), B/MW-201(06), B/MW-301(10) through B/MW-303(10) and B/MW-324(10), and B/PZ-407(11) through B/PZ-411(11).
- Wells B/MW-101(05), B/MW-102(05), B/MW-104(05), B/MW-202(06), B/MW-203(06), and B/MW-404(11) continue to be sampled.

Table 1 presents the construction details for the wells that were sampled. Figure 2 presents former structures and current conditions.

Field Procedures

A full round of groundwater gauging and sampling took place at the Site (Figure 2) on October 12, 2017. GES obtained static fluid level measurements and groundwater samples from six (6) wells, including B/MW-101(05), B/MW-102(05), B/MW-104(05), B/MW-202(06), B/MW-203(06), and B/MW-404(11). Fluid levels were measured to the nearest 0.01 feet 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 wells were sampled in accordance with USEPA Low-Flow Groundwater Sampling Procedures [1996] using a peristaltic pump and Horiba U-52 water quality sonde. Field parameters (consisting of temperature, pH, oxidation-reduction potential, conductivity, turbidity, dissolved oxygen, and total dissolved solids) were monitored and recorded for each well (see Appendix A for sampling logs). The depth to water was monitored throughout the pumping process to minimize drawdown within the well. Well purging activities continued until field parameters stabilized. Groundwater samples were then collected from each well for analysis using low-flow sampling techniques.

Quality assurance/quality control (QA/QC) samples, including field duplicate (collected from monitoring well B/MW-202(05)), trip blank, matrix spike, and duplicate matrix spike samples were also submitted for laboratory analysis. Once collected, all samples were immediately placed on ice. Well sampling sheets are provided in Appendix A and final groundwater discharge parameters are provided in Table 2.

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The Groundwater samples were submitted to Pace Analytical Services, LLC, (Pace) and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) via United States Environmental Protection Agency (EPA) Method 8260C and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270D.

Validation

Groundwater analytical data was validated per appropriate EPA guidance, consistent with New York State Analytical Services Protocol Category B guidance. The data usability summary report is presented in Appendix B. All other laboratory data and documents are on file with GES. These documents are available upon request.

Groundwater Results Summary

2017 groundwater measurements and elevations are provided in Table 3. Groundwater contours and validated analytical data for the event are summarized in Figure 3. The groundwater contours developed from the October 2017 gauging measurements are consistent with historical contours. Overburden groundwater flow direction at the Site is from the east to west/northwest.

October 2017 and historical groundwater analytical data for BTEX and PAHs are provided in Table 4. Additional data for previous analytes (including non-BTEX VOC's, Pesticides, Cyanides, and additional PAH's) from 2010 and 2011 data are on file with GES and available upon request.

BTEX compounds (including Benzene, Ethylbenzene, and Xylenes) were detected in well B/MW-203(06). Only Benzene was detected at a concentration (8.2 µg/L) that exceeded NYSDEC Ambient Water Quality Standards (AWQS) for groundwater. Additionally, Acenaphthene, Benzo(a)anthracene, and Chrysene were all detected in well B/MW-203(06) at concentrations that exceeded NYSDEC AWQS values for groundwater.

Waste Disposal

Purged groundwater and decontamination fluids were containerized in a 55-gallon steel drum and were properly disposed of by Capitol Environmental on behalf of National Grid.

If you have any questions or require additional information, 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

Enclosures

Cc: Devin Shay - Groundwater & Environmental Services, Inc.

Tables

Table 1

Monitoring Well Construction Details

Well ID	Date Installed	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Total Boring Depth (ft, bgs)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Top of Sand Pack (ft, bgs)	Well Screen Material	Unit Screened
B/MW-101(05)	12/5/2005	32.15	31.99	30	17	27	27	23	14	2-in ID Sch 40 PVC factory slotted	f sand, silt, gravel
B/MW-102(05)	12/7/2005	28.05	27.60	17.5	7	17	17	12	5	2-in ID Sch 40 PVC factory slotted	f-m sand, silt
B/MW-103(05)	12/5/2005	33.38	33.13	30	18	28	28	23	16	2-in ID Sch 40 PVC factory slotted	f-m sand, silt, clay, gravel
B/MW-104(05)	12/6/2005	29.42	29.14	24	12	22	22	17	11	2-in ID Sch 40 PVC factory slotted	f-m sand, gravel
B/MW-201(06)	12/14/2006	35.01	34.62	25	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand
B/MW-202(06)	12/12/2006	28.68	28.10	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand, gravel
B/MW-203(06)	12/12/2006	26.06	25.32	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silt
B/MW-301(10)	11/1/2010	31.14	30.81	35	15	25	25	20	13	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silty sand, gravel, silt, clay
B/MW-302(10)	11/1/2010	33.02	32.60	35	15	25	25	20	13	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
B/MW-303(10)	10/29/2010	33.35	32.97	45	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	clay, f-c sand
B/MW-324(10)	10/29/2010	33.09	32.63	45	14	24	26	19	12	2-in ID Sch 40 PVC 0.010" slot	silty f-c sand, gravel, clay
B/MW-404(11)	4/14/2011	33.33	32.95	30	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
B/PZ-407(11)	4/12/2011	29.81	29.26	30	14	24	24	19	10	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay
B/PZ-408(11)	4/12/2011	31.87	31.53	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel
B/PZ-409(11)	4/12/2011	33.33	32.79	30	15	25	25	20	13	1-in ID Sch 40 PVC 0.010" slot	silty f-c sand, gravel
B/PZ-410(11)	4/12/2011	31.65	31.17	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay
B/PZ-411(11)	4/13/2011	30.61	30.21	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988

ft, bgs - feet below ground surface

B/MW-103(05) - Well decommissioned

B/PZ-407(11) - Piezometer decommissioned

Table 2

Final Groundwater Discharge Parameters

Well ID	Date Sampled	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)
B/MW-101(05)	11/18/2010	15.22	1548*	14.26	6.78	137.4	3.1
B/MW-102(05)	11/19/2010	24.63	935*	0.16	6.86	176.1	6.7
B/MW-103(05)	11/19/2010	13.84	1265*	22.16	6.69	-151.0	10.6
B/MW-104(05)	11/18/2010	16.01	1052*	20.72	6.53	79.0	6.2
B/MW-201(06)	11/18/2010	14.66	1224*	19.55	6.6	130.9	0.3
B/MW-202(06)	11/18/2010	16.56	1644*	26.80	6.38	128.9	8.3
B/MW-203(06)	11/18/2010	14.55	1473*	1.86	7.06	316.4	5.8
B/MW-301(10)	11/18/2010	18.59	1876*	0.97	6.96	121.0	9.8
B/MW-302(10)	11/18/2010	15.40	1013*	0.67	7.30	357.1	2.6
B/MW-303(10)	11/18/2010	19.33	188*	1.98	7.8	310.1	4.6
B/MW-324(10)	11/19/2010	17.00	2203*	0.07	6.87	-47.2	-1.0
B/MW-101(05)	5/5/2011	12.77	1986*	6.49	6.75	157	18.8
B/MW-102(05)	5/5/2011	11.50	1884*	0.44	6.67	202.8	3.2
B/MW-103(05)	5/6/2011	14.06	1612*	6.60	6.66	-165.7	5.3
B/MW-104(05)	5/5/2011	12.93	2078*	2.03	6.55	151	2.7
B/MW-201(06)	5/5/2011	11.64	3299*	7.18	6.67	150.3	5.0
B/MW-202(06)	5/6/2011	14.03	2228*	6.99	6.45	45.7	1.3
B/MW-203(06)	5/5/2011	11.88	4767*	2.42	6.91	111.1	0.0
B/MW-301(10)	5/5/2011	13.34	2883*	12.00	6.67	-103.3	5.5
B/MW-302(10)	5/5/2011	12.53	1388*	12.03	7.02	181	0.0
B/MW-303(10)	5/5/2011	9.02	352*	27.29	8.02	80.8	0.2
B/MW-324(10)	5/6/2011	14.08	4558*	0.51	5.43	-213.5	-10.7
B/MW-404(11)	5/6/2011	9.95	522*	46.70	5.55	205.2	-5.6
B/MW-101(05)	8/19/2014	17.50	1260*	1.40	6.76	-13.8	1.4
B/MW-102(05)	8/19/2014	18.60	956*	0.01	6.45	39.9	1.0
B/MW-104(05)	8/19/2014	17.00	1597*	0.02	6.21	-4.0	0.1
B/MW-202(06)	8/19/2014	16.80	2152*	0.06	6.17	-27.2	2.6
B/MW-203(06)	8/19/2014	17.30	3135*	0.02	6.36	-33.9	8.2
B/MW-404(11)	8/19/2014	19.90	339*	2.09	6.69	41.0	0.2
B/MW-101(05)	10/7/2015	17.01	1368*	2.00	7.13	128.3	1.01
B/MW-102(05)	10/7/2015	19.34	1416*	0.26	6.80	258.3	4.10
B/MW-104(05)	10/7/2015	17.60	1589*	0.32	6.72	135.3	5.13
B/MW-202(06)	10/7/2015	17.54	2410*	0.31	6.58	137.5	4.91
B/MW-203(06)	10/7/2015	19.01	2806*	0.77	6.97	182.5	5.53
B/MW-404(11)	10/7/2015	17.18	1315*	0.35	6.50	146.5	3.15
B/MW-101(05)	11/9/2016	15.12	1907*	1.49	7.15	206.1	4.18
B/MW-104(05)	11/9/2016	16.88	1209*	0.29	6.86	203.1	4.87
B/MW-101(05)	10/12/2017	16.55	2.39	0.00	6.88	43.0	18.50
B/MW-102(05)	10/12/2017	16.10	1.50	0.00	6.71	179.0	1.80
B/MW-104(05)	10/12/2017	15.57	1.79	0.00	6.60	60.0	22.60
B/MW-202(06)	10/12/2017	14.41	2.13	1.64	5.81	64.0	5.80
B/MW-203(06)	10/12/2017	14.67	1.90	0.94	5.78	-169.0	7.40
B/MW-404(11)	10/12/2017	19.42	0.311	3.87	5.96	51.0	2.70

Notes:

°C	= degrees Celsius
mS/cm	= milliSiemens per centimeter
mg/L	= milligrams per liter
S.U.	= Standard units
mV	= milliVolts
NTU	= Nephelometric Turbidity Units
*	= value is in µS/cm (data collected by GEI)
µS/cm	= microSiemens per centimeter

Table 3

Groundwater Elevations

Well ID	Northing	Easting	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)
B/MW-101(05)	1418713.7909	709904.0096	32.15	31.99	17	27	27	23
B/MW-102(05)	1418829.6033	709787.6836	28.05	27.60	7	17	17	12
B/MW-103(05)	1418570.6710	709822.8544	33.38	33.13	18	28	28	23
B/MW-104(05)	1418760.6340	709802.7049	29.42	29.14	12	22	22	17
B/MW-201(06)	1418475.6220	709829.4970	35.01	34.62	14	24	24	19
B/MW-202(06)	1418742.2620	709740.6720	28.68	28.10	9.5	19.5	19.5	14.5
B/MW-203(06)	1418857.9290	709719.8990	26.06	25.32	9.5	19.5	19.5	14.5
B/MW-301(10)	1418812.6260	709911.3770	31.14	30.81	15	25	25	20
B/MW-302(10)	1418625.7960	709886.5990	33.02	32.60	15	25	25	20
B/MW-303(10)	1418539.6000	709753.7880	33.35	32.97	14	24	24	19
B/MW-324(10)	1418570.3330	709807.5630	33.09	32.63	14	24	26	19
B/MW-404(11)	1418558.6354	709772.8932	33.33	32.95	14	24	24	19
B/PZ-407(11)	1418816.8233	709849.1786	29.81	29.26	14	24	24	19
B/PZ-408(11)	1418758.7155	709932.5038	31.87	31.53	14	24	24	19
B/PZ-409(11)	1418656.4867	709931.7253	33.33	32.79	15	25	25	20
B/PZ-410(11)	1418668.8797	709837.9031	31.65	31.17	14	24	24	19
B/PZ-411(11)	1418687.3890	709791.6188	30.61	30.21	14	24	24	19

Table 3

Groundwater Elevations

Well ID	Depth to Water (12/2005) (ft, bgs)	Groundwater Elevation (12/2005) (ft, NAVD88)	Depth to Water (12/2006) (ft, bgs)	Groundwater Elevation (12/2006) (ft, NAVD88)	Depth to Water (11/18/10) (ft, bgs)	Groundwater Elevation (11/18/10) (ft, NAVD88)	Depth to Water (3/1/11) (ft, bgs)	Groundwater Elevation (3/1/11) (ft, NAVD88)
B/MW-101(05)	NA	15.12	NA	14.43	17.57	14.42	NM	NM
B/MW-102(05)	NA	14.84	NA	14.15	13.65	13.95	13.43	14.17
B/MW-103(05)	NA	14.68	NA	13.95	19.25	13.88	19.06	14.07
B/MW-104(05)	NA	14.67	NA	13.95	15.21	13.93	15.00	14.14
B/MW-201(06)	--	--	NA	14.00	20.80	13.82	20.62	14.00
B/MW-202(06)	--	--	NA	14.18	14.20	13.90	NM	NM
B/MW-203(06)	--	--	NA	14.50	11.70	13.62	NM	NM
B/MW-301(10)	--	--	--	--	16.85	13.96	16.64	14.17
B/MW-302(10)	--	--	--	--	18.73	13.87	NM	NM
B/MW-303(10)	--	--	--	--	16.65	16.32	13.94	19.03
B/MW-324(10)	--	--	--	--	18.73	13.9	18.55	14.08
B/MW-404(11)	--	--	--	--	--	--	--	--
B/PZ-407(11)	--	--	--	--	--	--	--	--
B/PZ-408(11)	--	--	--	--	--	--	--	--
B/PZ-409(11)	--	--	--	--	--	--	--	--
B/PZ-410(11)	--	--	--	--	--	--	--	--
B/PZ-411(11)	--	--	--	--	--	--	--	--

Table 3

Groundwater Elevations

Well ID	Depth to Water (4/13/11) (ft, bgs)	Groundwater Elevation (4/13/11) (ft, NAVD88)	Depth to Water (5/4/11) (ft, bgs)	Groundwater Elevation (5/4/11) (ft, NAVD88)	Depth to Water (8/19/2014) (ft, bgs)	Groundwater Elevation (8/19/2014) (ft, NAVD88)
B/MW-101(05)	16.00	15.99	16.06	15.93	17.24	14.75
B/MW-102(05)	12.10	15.50	12.15	15.45	13.17	14.43
B/MW-103(05)	17.62	15.51	17.66	15.47	NM	NM
B/MW-104(05)	13.64	15.50	13.64	15.50	14.75	14.39
B/MW-201(06)	19.15	15.47	19.2	15.42	NM	NM
B/MW-202(06)	12.70	15.40	NM	NM	13.76	14.34
B/MW-203(06)	10.18	15.14	10.25	15.07	11.33	13.99
B/MW-301(10)	15.30	15.51	15.35	15.46	NM	NM
B/MW-302(10)	17.09	15.51	17.15	15.45	NM	NM
B/MW-303(10)	15.85	17.12	16	16.97	NM	NM
B/MW-324(10)	17.17	15.46	17.21	15.42	NM	NM
B/MW-404(11)	17.51	15.44	17.51	15.44	18.61	14.34
B/PZ-407(11)	13.80	15.46	13.81	15.45	NM	NM
B/PZ-408(11)	15.98	15.55	16.01	15.52	NM	NM
B/PZ-409(11)	17.31	15.48	17.36	15.43	NM	NM
B/PZ-410(11)	15.70	15.47	15.74	15.43	NM	NM
B/PZ-411(11)	14.75	15.46	14.84	15.37	NM	NM

Table 3

Groundwater Elevations

Well ID	Depth to Water (10/07/2015) (ft, bgs)	Groundwater Elevation (10/07/2015) (ft, NAVD88)	Depth to Water (11/09/2016) (ft, bgs)	Groundwater Elevation (11/09/2016) (ft, NAVD88)	Depth to Water (10/12/2017) (ft, bgs)	Groundwater Elevation (10/12/2017 (ft, NAVD88)
B/MW-101(05)	17.82	14.17	18.7	13.29	17.77	14.22
B/MW-102(05)	13.8	13.8	14.7	12.90	13.80	13.80
B/MW-103(05)	NM	NM	NM	NM	NM	NM
B/MW-104(05)	15.32	13.82	16.23	12.91	15.38	13.76
B/MW-201(06)	NM	NM	NM	NM	NM	NM
B/MW-202(06)	14.31	13.79	15.22	12.88	14.41	13.69
B/MW-203(06)	11.89	13.43	12.8	12.52	12.60	12.72
B/MW-301(10)	NM	NM	NM	NM	NM	NM
B/MW-302(10)	NM	NM	NM	NM	NM	NM
B/MW-303(10)	NM	NM	NM	NM	NM	NM
B/MW-324(10)	NM	NM	NM	NM	NM	NM
B/MW-404(11)	19.23	13.72	20.14	12.81	19.30	13.65
B/PZ-407(11)	NM	NM	NM	NM	NM	NM
B/PZ-408(11)	NM	NM	NM	NM	NM	NM
B/PZ-409(11)	NM	NM	NM	NM	NM	NM
B/PZ-410(11)	NM	NM	NM	NM	NM	NM
B/PZ-411(11)	NM	NM	NM	NM	NM	NM

Notes:

ft, NAVD88 = feet above North American Vertical Datum of 1988
ft, bgs = feet below ground surface
NA = Not Available
NM = Not Measured

Table 4

Historical Groundwater Data
B/MW-101(05)

Parameter	NYSDEC AWQS (µg/L)	12/31/05	12/31/06	11/18/10	05/05/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX									
Benzene	1	ND (<0.39)	ND (<0.39)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	ND (<0.45)	ND (<0.45)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
Toluene	5	ND (<0.36)	ND (<0.36)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	ND (<0.12)	ND (<1.2)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	ND (<0.46)	ND (<0.46)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<1.0)
Xylene (Total)	5	NR	NR	ND (<5.0)	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	ND (<3.0)
Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND
PAHs									
Acenaphthene	20	ND (<2.7)	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Acenaphthylene	NA	ND (<2.6)	ND (<1.3)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Anthracene	50	ND (<2.8)	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Benzo(a)anthracene	0.002	ND (<2.2)	ND (<1.1)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Benzo(a)pyrene	NA	ND (<1.5)	ND (<1.2)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Benzo(b)fluoranthene	0.002	ND (<2.2)	ND (<0.76)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Benzo(g,h,i)perylene	NA	ND (<2.3)	ND (<1.1)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Benzo(k)fluoranthene	0.002	ND (<2.6)	ND (<1.9)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Chrysene	0.002	ND (<3.3)	ND (<1.7)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Dibenz(a,h)anthracene	NA	NR	ND (<0.87)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Fluoranthene	50	ND (<2.4)	ND (<1.2)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Fluorene	50	ND (<2.8)	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Indeno(1,2,3-cd)pyrene	0.002	ND (<1.7)	ND (<0.84)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.099)
2-Methylnaphthalene	NA	ND (<2.2)	NR	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Naphthalene	10	ND (<2.8)	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Phenanthrene	50	ND (<2.8)	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Pyrene	50	ND (<2.9)	ND (<1.5)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.099)
Total PAHs	NA	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

Table 4

Historical Groundwater Data
B/MW-102(05)

Parameter	NYSDEC AWQS (µg/L)	12/20/05	12/31/06	11/19/10	05/05/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX									
Benzene	1	ND (<0.39)	ND (<0.39)	ND (<5.0)	ND (<5.0)	0.086 J	ND (<0.5)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	ND (<0.45)	ND (<0.45)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
Toluene	5	ND (<0.36)	ND (<0.36)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	ND (<0.12)	ND (<1.2)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	0.72 J	ND (<0.46)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<1.0)
Xylene (Total)	5	NR	NR	ND (<5.0)	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	ND (<3.0)
Total BTEX	NA	0.72	ND	ND	ND	0.086	ND	ND	ND
PAHs									
Acenaphthene	20	**42**	15 J	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Acenaphthylene	NA	1.8 J	9.4 J	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Anthracene	50	6.9 J	23 J	ND (<4.4)	ND (<4.0)	1.3 J	ND (<0.2)	0.03 J	ND (<0.10)
Benzo(a)anthracene	0.002	**2.7 J**	**39 J**	ND (<4.4)	ND (<4.0)	**1.8**	ND (<0.2)	**0.056 J**	ND (<0.10)
Benzo(a)pyrene	NA	2.9 J	46 J	ND (<4.4)	ND (<4.0)	1.8 J	ND (<0.2)	0.046 J	ND (<0.10)
Benzo(b)fluoranthene	0.002	**3 J**	**40 J**	ND (<4.4)	ND (<4.0)	**1.9**	ND (<0.2)	**0.075 J**	ND (<0.10)
Benzo(g,h,i)perylene	NA	2.5 J	50 J	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	0.066 J	ND (<0.10)
Benzo(k)fluoranthene	0.002	NR	**25 J**	ND (<4.4)	ND (<4.0)	**0.82 J**	ND (<0.2)	**0.063 J**	ND (<0.10)
Chrysene	0.002	**3 J**	**36 J**	ND (<4.4)	ND (<4.0)	**2.2 J**	ND (<0.2)	**0.045 J**	ND (<0.10)
Dibenz(a,h)anthracene	NA	NR	ND (<4.5)	ND (<4.4)	ND (<4.0)	ND (<1.0)	ND (<0.2)	0.033 J	ND (<0.10)
Fluoranthene	50	12	**76**	ND (<4.4)	ND (<4.0)	3.4 J	ND (<0.2)	0.086 J	ND (<0.10)
Fluorene	50	24	ND (<7.2)	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	0.002	**2.7 J**	**33 J**	ND (<4.4)	ND (<4.0)	**0.89 J**	ND (<0.2)	**0.055 J**	ND (<0.10)
2-Methylnaphthalene	NA	8.9 J	NR	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Naphthalene	10	ND (<1.4)	ND (<7.1)	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Phenanthrene	50	40	27 J	ND (<4.4)	ND (<4.0)	ND (<10)	ND (<0.2)	0.046 J	ND (<0.10)
Pyrene	50	10 J	**190**	ND (<4.4)	ND (<4.0)	3.9 J	ND (<0.2)	0.078 J	ND (<0.10)
Total PAHs	NA	162.4	609.4	ND	ND	18.01	ND	0.679	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

Table 4

Historical Groundwater Data
B/MW-104(05)

Parameter	NYSDEC AWQS (µg/L)	12/20/05	12/28/06	11/18/10	05/05/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX									
Benzene	1	**2.7 J**	**1.9 J**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	1.3 J	ND (<0.45)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
Toluene	5	ND (<0.36)	ND (<0.36)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	**6.2 J**	ND (<1.2)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	3.2 J	ND (<0.46)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<1.0)
Xylene (Total)	5	NR	NR	ND (<5.0)	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	ND (<3.0)
Total BTEX	NA	13.4	1.9	ND	ND	ND	ND	ND	ND
PAHs									
Acenaphthene	20	14	**22 J**	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Acenaphthylene	NA	3.6 J	25 J	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Anthracene	50	7.2 J	32 J	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.029 J	ND (<0.10)
Benzo(a)anthracene	0.002	**2.2 J**	**56**	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Benzo(a)pyrene	NA	1.6 J	10 J	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Benzo(b)fluoranthene	0.002	**1.6 J**	**47 J**	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Benzo(g,h,i)perylene	NA	ND (<1.1)	ND (<36)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Benzo(k)fluoranthene	0.002	NR	**31 J**	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Chrysene	0.002	**2 J**	**50 J**	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Dibenz(a,h)anthracene	NA	NR	ND (<4.4)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Fluoranthene	50	9.3 J	**73**	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.046 J	ND (<0.10)
Fluorene	50	17	21 J	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Indeno(1,2,3-cd)pyrene	0.002	**1 J**	**28 J**	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.10)
2-Methylnaphthalene	NA	ND (<1.1)	NR	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Naphthalene	10	ND (<1.4)	7.6 J	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.10)
Phenanthrene	50	24	**89**	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.064 J	ND (<0.10)
Pyrene	50	6.2 J	**160**	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.04 J	ND (<0.10)
Total PAHs	NA	89.7	651.6	ND	ND	ND	ND	0.179	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

Table 4

Historical Groundwater Data
B/MW-202(06)

Parameter	NYSDEC AWQS (µg/L)	12/31/06	11/18/10	05/06/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX								
Benzene	1	**1.6 J**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	ND (<0.45)	ND (<5.0)	1 J	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
Toluene	5	ND (<0.36)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	ND (<1.2)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	ND (<0.46)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<1.0)
Xylene (Total)	5	NR	ND (<5.0)	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	ND (<3.0)
Total BTEX	NA	1.6	ND	1	ND	ND	ND	ND
PAHs								
Acenaphthene	20	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Acenaphthylene	NA	ND (<1.3)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Anthracene	50	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Benzo(a)anthracene	0.002	ND (<1.1)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Benzo(a)pyrene	NA	ND (<1.2)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Benzo(b)fluoranthene	0.002	ND (<0.76)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Benzo(g,h,i)perylene	NA	ND (<1.1)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Benzo(k)fluoranthene	0.002	ND (<1.9)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Chrysene	0.002	ND (<1.7)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Dibenz(a,h)anthracene	NA	ND (<0.87)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Fluoranthene	50	ND (<1.2)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.035 J	ND (<0.097)
Fluorene	50	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Indeno(1,2,3-cd)pyrene	0.002	ND (<0.84)	ND (<4.3)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.097)
2-Methylnaphthalene	NA	NR	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Naphthalene	10	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.097)
Phenanthrene	50	ND (<1.4)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.12 J	ND (<0.097)
Pyrene	50	ND (<1.5)	ND (<4.3)	ND (<4.0)	ND (<10)	ND (<0.2)	0.03 J	ND (<0.097)
Total PAHs	NA	ND	ND	ND	ND	ND	0.185	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

Table 4

Historical Groundwater Data
B/MW-203(06)

Parameter	NYSDEC AWQS (µg/L)	12/31/06	11/18/10	05/06/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX								
Benzene	1	ND (<0.39)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<1.0)	**8.2**
Ethylbenzene	5	ND (<0.45)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	2.6
Toluene	5	ND (<0.36)	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	ND (<1.2)	NR	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	ND (<0.46)	NR	NR	NR	ND (<2.5)	ND (<1.0)	2.0
Xylene (Total)	5	NR	ND (<5.0)	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	3.1
Total BTEX	NA	ND	ND	ND	ND	ND	ND	15.9
PAHs								
Acenaphthene	20	ND (<1.4)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	**48.3**
Acenaphthylene	NA	ND (<1.3)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	0.45
Anthracene	50	ND (<1.4)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	0.93
Benzo(a)anthracene	0.002	ND (<1.1)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	**0.26**
Benzo(a)pyrene	NA	ND (<1.2)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(b)fluoranthene	0.002	ND (<0.76)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(g,h,i)perylene	NA	ND (<1.1)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(k)fluoranthene	0.002	ND (<1.9)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Chrysene	0.002	ND (<1.7)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	**0.16**
Dibenz(a,h)anthracene	NA	ND (<0.88)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Fluoranthene	50	ND (<1.2)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	9.5
Fluorene	50	ND (<1.4)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	5.4
Indeno(1,2,3-cd)pyrene	0.002	ND (<0.84)	ND (<4.2)	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
2-Methylnaphthalene	NA	NR	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Naphthalene	10	ND (<1.4)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	0.95
Phenanthrene	50	ND (<1.4)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	1.7
Pyrene	50	ND (<1.5)	ND (<4.2)	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	7.0
Total PAHs	NA	ND	ND	ND	ND	ND	ND	74.7

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

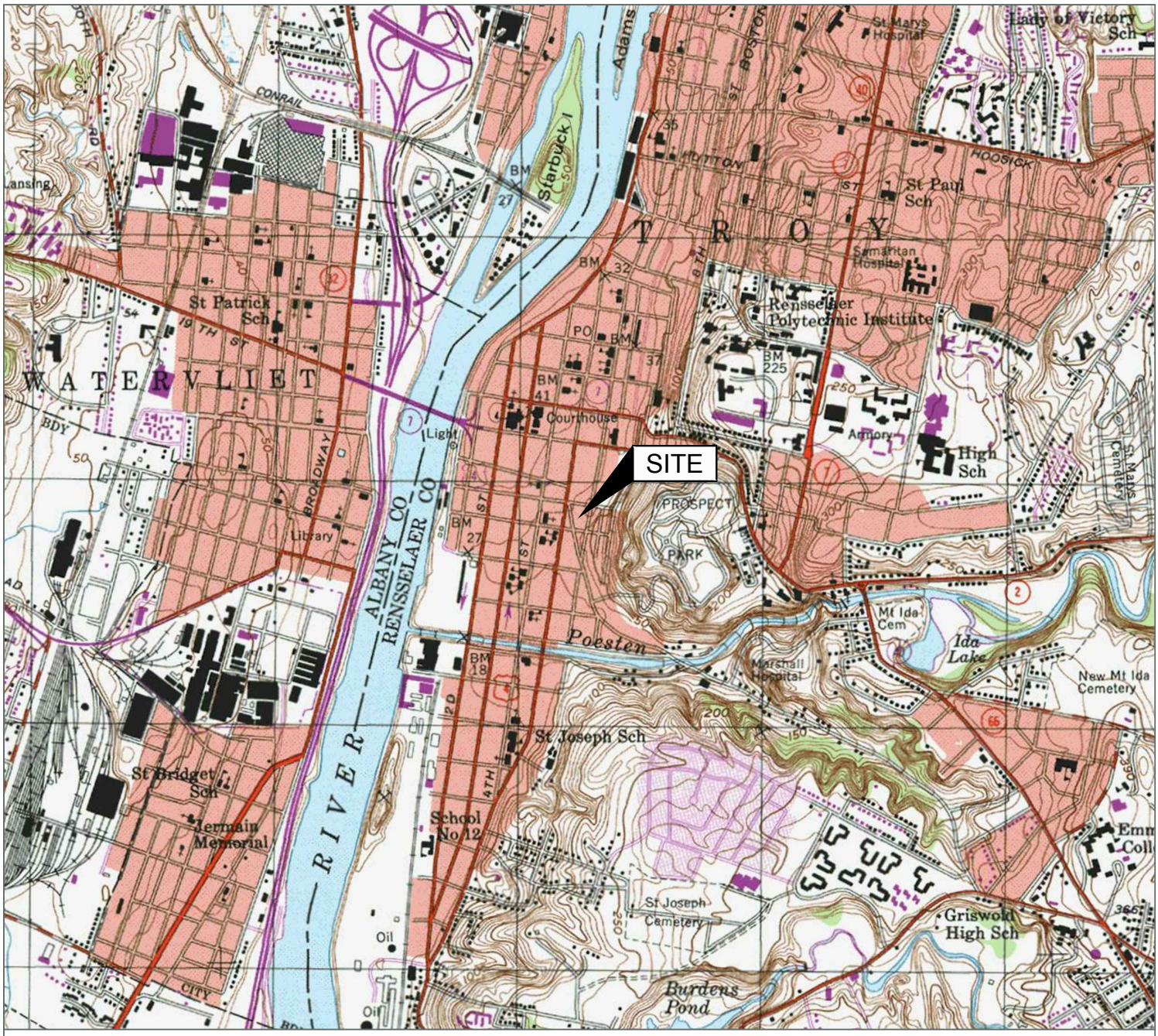
Table 4

Historical Groundwater Data
B/MW-404(11)

Parameter	NYSDEC AWQS (µg/L)	05/06/11	08/19/14	10/07/15	11/09/16	10/12/17
BTEX						
Benzene	1	ND (<5.0)	ND (<1.0)	ND (<0.5)	ND (<1.0)	ND (<1.0)
Ethylbenzene	5	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
Toluene	5	ND (<5.0)	ND (<1.0)	ND (<2.5)	ND (<1.0)	ND (<1.0)
m&p-Xylene	5	NR	NR	ND (<2.5)	ND (<1.0)	ND (<2.0)
o-Xylene	5	NR	NR	ND (<2.5)	ND (<1.0)	ND (<1.0)
Xylene (Total)	5	ND (<5.0)	ND (<2.0)	ND (<2.5)	ND (<2.0)	ND (<3.0)
Total BTEX	NA	ND	ND	ND	ND	ND
PAHs						
Acenaphthene	20	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Acenaphthylene	NA	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Anthracene	50	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(a)anthracene	0.002	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(a)pyrene	NA	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(b)fluoranthene	0.002	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(g,h,i)perylene	NA	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Benzo(k)fluoranthene	0.002	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Chrysene	0.002	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Dibenz(a,h)anthracene	NA	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Fluoranthene	50	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Fluorene	50	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Indeno(1,2,3-cd)pyrene	0.002	ND (<4.0)	ND (<1.0)	ND (<0.2)	ND (<0.18)	ND (<0.098)
2-Methylnaphthalene	NA	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Naphthalene	10	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Phenanthrene	50	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Pyrene	50	ND (<4.0)	ND (<10)	ND (<0.2)	ND (<0.18)	ND (<0.098)
Total PAHs	NA	ND	ND	ND	ND	ND

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
µg/L = Micrograms/Liter
BTEX = Benzene, Toluene, Ethylbenzene, & Xylenes
PAH = Polycyclic Aromatic Hydrocarbons
J = Estimated Concentration
NA = Not Applicable
NR = Not Recorded
ND (<#) = Not Detected (# is laboratory reporting limit)
Bolded = values indicate exceedance of the NYSDEC AWQS

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1980
Troy South, New York
Contour Interval = 10'

Site Location Map

National Grid
Liberty Street
Troy, New York

Drawn
W.G.S.
Designed

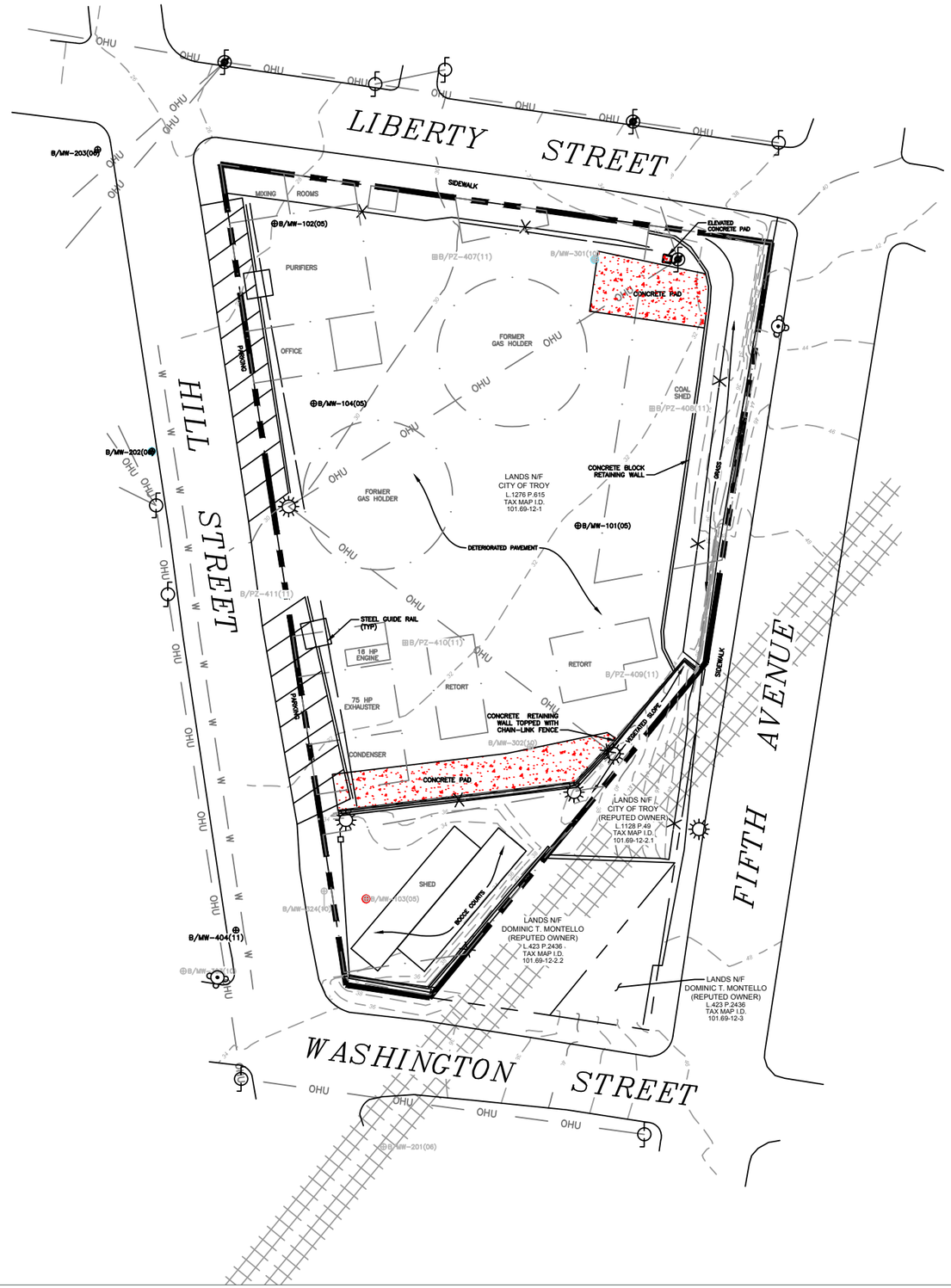
Approved

Date
1-15-18
Figure
1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Troy (Liberty Street)\Troy (Liberty Street) SLM.dwg, Template SLM, WShea



LEGEND

- PROPERTY BOUNDARY
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- W — UNDERGROUND WATER LINE
- OHU — OVERHEAD UTILITIES

Site Map

National Grid
Liberty Street
Troy, New York

Drawn: W.G.S.
Designed:
Approved:

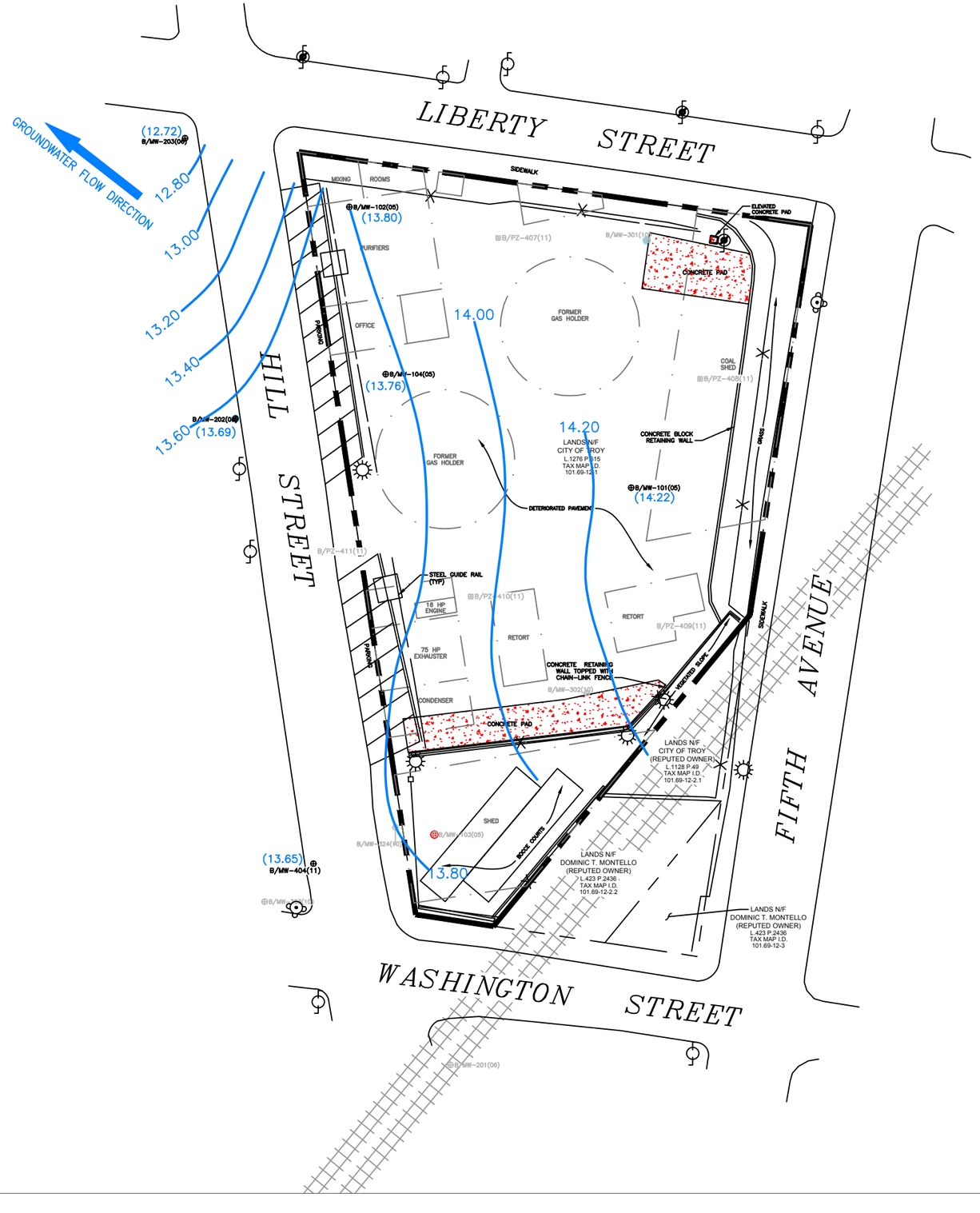
Date: 1-19-18
Figure: 2

N

Scale In Feet
0 50

GES
Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Troy (Liberty Street)\Troy (Liberty Street) SM.dwg, Template B, WShea



LEGEND

- PROPERTY BOUNDARY
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- (14.22) GROUNDWATER ELEVATION (feet)
- NOT SAMPLED

Groundwater Contour Map
October 12, 2017

National Grid
Liberty Street
Troy, New York

Drawn
W.G.S.
Designed

Approved

Date
1-19-18
Figure
3

Scale In Feet
0 50

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Troy (Liberty Street)\Troy (Liberty Street) SM.dwg, Template B, WShea

Appendix A – Well Sampling Sheets

National Grid
Liberty Street, Troy New York

Sampling Personnel: PD
Date: 10/12/17
Job Number: 06-02882
Weather: 55° - CLEAR
Well Id. **B/MW-101(05)**
Time In: 0945 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	~~13.20~~	7.77
Depth to Product:	(feet)	~~NP~~	NP
Depth to Bottom:	(feet)	~~16.42~~	26.90
Length of Water Column:	(feet)	9.13	
Volume of Water in Well:	(gal)	1.5g	
Three Well Volumes:	(gal)	4.4g	

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

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	160			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	1.5g			

Did well go dry? Yes ☐ No ☑

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0955	17.80	16.32	6.90	125	2.46	310	0	1.58
1000	17.80	16.42	6.90	116	2.48	~~310~~ 280	0	1.58
1005	17.80	16.49	6.90	82	2.47	45	0	1.58
1010	17.80	16.49	6.90	66	2.45	29.0	0	1.57
1015	17.80	16.55	6.90	~~53~~	2.42	23.1	0	1.55
1020	17.80	16.65	6.89	47	2.40	19.5	0	1.54
1025	17.80	16.55	6.88	43	2.39	18.5	0	1.53

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

Sample ID: B/MW-101(05)-1017 Duplicate? Yes ☐ No ☒
Sample Time: 1025 MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Albany Service Center ☒ Fed-Ex ☐ Courier ☐

Comments/Notes:

Laboratory: PACE Analytical Greensburg, PA

National Grid
Liberty Street, Troy New York

Sampling Personnel: PD
Job Number: 06-02882
Well Id. **B/MW-102(05)**

Date: 10/12/17
Weather: 50°. - CLEAR
Time In: 0830 Time Out: 0930

Well Information

		TOC	Other
Depth to Water:	(feet)	13.30	
Depth to Product:	(feet)	NP	
Depth to Bottom:	(feet)	16.90	
Length of Water Column:	(feet)	2.6'	
Volume of Water in Well:	(gal)	0.42g	
Three Well Volumes:	(gal)	1.2g	

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

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:	Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate: (ml/min)	160			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	~1.5g			

Did well go dry? Yes ☐ No ☑

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0840	14.00	14.03	6.69	162	1.51	22.3	0	0.963
0845	14.13	14.75	6.67	187	1.47	11.1	0	0.938
0850	14.21	15.18	6.68	192	1.45	6.0	0	0.930
0855	14.30	15.49	6.69	193	1.47	3.5	0	0.940
0900	14.36	15.81	6.70	191	1.47	3.2	0	0.942
0905	14.41	16.01	6.71	185	1.48	2.3	0	0.950
0910	14.46	16.10	6.71	179	1.50	1.8	0	0.952

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

Sample ID: B/MW-102(05)-1017
Sample Time: 0910

Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☐ No ☒

Shipped: Drop-off Albany Service Center ☒
Fed-Ex ☐ UPS ☐

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Liberty Street, Troy New York

Sampling Personnel: PD
Date: 10/12
Job Number: 06-02882
Weather: 50° - CLEAR
Well Id. **B/MW-104(05)**
Time In: 0715 Time Out: 0830

Well Information

		TOC	Other
Depth to Water:	(feet)	15.38	
Depth to Product:	(feet)	NP	
Depth to Bottom:	(feet)	21.15	
Length of Water Column:	(feet)	5.77	
Volume of Water in Well:	(gal)	0.9 g	
Three Well Volumes:	(gal)	2.7 g	

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: MS/MSD HERE

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	
Sampling Method:		Bailer ☐	Peristaltic ☒	Grundfos Pump ☐	
Average Pumping Rate:	(ml/min)	160			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	4.5 g			

Did well go dry? Yes ☐ No ☑

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0725	15.52	15.02	6.68	52	1.82	126	0	1.17
0730	15.54	15.26	6.62	58	1.82	105	0	1.16
0735	15.54	15.59	6.64	58	1.32	60	0	1.16
0740	15.54	15.71	6.65	57	1.81	39.5	0	1.16
0745	15.55	15.69	6.63	57	1.80	36.0	0	1.15
0750	15.54	15.55	6.61	58	1.79	28.4	0	1.15
0755	15.54	15.57	6.60	60	1.79	22.6	0	1.14

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

Sample ID: B/MW-104(05)-1017
Sample Time: 0755
Duplicate? Yes ☐ No ☒
MS/MSD? Yes ☒ No ☒ PD

Shipped: Drop-off Albany Service Center ☒
Fed-Ex ☐ UPS ☐

Laboratory: PACE Analytical Greensburg, PA

Comments/Notes:

National Grid
Liberty Street, Troy New York

Sampling Personnel: VE
Job Number: 06-02882
Well Id. **B/MW-202(05)**

Date: 10/2/17
Weather: PC 48
Time In: 07:45 Time Out: 08:55

Well Information

		TOC	Other
Depth to Water:	(feet)	14.41	
Depth to Product:	(feet)	NP	
Depth to Bottom:	(feet)	19.55	
Length of Water Column:	(feet)	5.14	
Volume of Water in Well:	(gal)	.82	
Three Well Volumes:	(gal)	2.46	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	
Sampling Method:	Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]	
Average Pumping Rate: (ml/min)	160			
Duration of Pumping: (min)	30			
Total Volume Removed: (gal)	1.5			

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
8:00	14.42	12.51	6.39	18	2.64	73.2	3.90	1.69
8:05	14.45	13.39	6.13	44	2.49	50.1	2.25	1.60
8:10	14.45	13.79	6.02	50	2.40	36.0	1.96	1.53
8:15	14.45	14.22	5.89	58	2.25	13.5	1.76	1.44
8:20	14.45	14.31	5.85	60	2.19	10.5	1.63	1.40
8:25	14.45	14.38	5.82	63	2.15	6.1	1.65	1.37
8:30	14.45	14.41	5.81	64	2.13	5.8	1.64	1.35

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

Field Dup-1017

Sample ID: B/MW-202(06)-1017 Duplicate? Yes [X] No [ ]
Sample Time: 8:36 MS/MSD? Yes [ ] No [X]

Shipped: PACE COURIER PICK UP ~~Drop-off Albany Service Center~~ [X]
Fed-Ex [ ] UPS [ ]

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Liberty Street, Troy New York

Sampling Personnel: KC
Job Number: 06-02882
Well Id. **B/MW-203(06)**

Date: 10/12/12
Weather: Sunny 60°
Time In: ~~0715~~ 955 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	12.60	
Depth to Product:	(feet)	ND	
Depth to Bottom:	(feet)	15.92	
Length of Water Column:	(feet)	3.32	
Volume of Water in Well:	(gal)	.53	
Three Well Volumes:	(gal)	1.59	

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:
Removed 1.75" Bailer from well
Allowed to settle for 2.75 hrs

Purging Information

Purging Method:	Bailer	Peristaltic X	Grundfos Pump	
Tubing/Bailer Material:	Teflon	Stainless St.	Polyethylene X	
Sampling Method:	Bailer	Peristaltic X	Grundfos Pump	
Average Pumping Rate: (ml/min)	160			
Duration of Pumping: (min)				
Total Volume Removed: (gal)				

Did well go dry? Yes No

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:00	13.13	19.23	5.61	-159	2.29	304	1.39	1.46
10:05	13.06	18.05	5.76	-167	2.02	114	1.18	1.29
10:10	13.10	17.84	5.77	-165	1.96	46.9	1.14	1.26
10:15	13.13	17.72	5.77	-167	1.92	25.2	1.01	1.23
10:20	13.13	17.68	5.79	-167	1.91	20.1	0.96	1.22
10:25	13.13	17.66	5.78	-169	1.90	14.3	0.96	1.22
10:30	13.13	17.67	5.78	-169	1.90	9.1	0.94	1.21

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

B/MW-203(06)-MS-1017 and B/MW-203(06)-MSD-1017

Sample ID: B/MW-203(06)-1017 Duplicate? Yes No X
Sample Time: 10:30 MS/MSD? Yes X No X

Shipped: Pace Courier Drop-off Albany Service Center X
Fed-Ex UPS

Comments/Notes:

Laboratory: PACE Analytical
Greensburg, PA

National Grid
Liberty Street, Troy New York

Sampling Personnel: KL
Date: 10/12/17
Job Number: 06-02882
Weather: Sunny 60°
Well Id. **B/MW-404(11)**
Time In: 09:00 Time Out: 9:57

Well Information

		TOC	Other
Depth to Water:	(feet)	19.30	
Depth to Product:	(feet)	ND	
Depth to Bottom:	(feet)	23.85	
Length of Water Column:	(feet)	4.55	
Volume of Water in Well:	(gal)	.72	
Three Well Volumes:	(gal)	2.16	

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

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]
Sampling Method:		Bailer [ ]	Peristaltic [X]	Grundfos Pump [ ]
Average Pumping Rate:	(ml/min)	190		
Duration of Pumping:	(min)	30		
Total Volume Removed:	(gal)	1.5		

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

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

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

Time	DTW (feet)	Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:00	19.30	16.80	6.05	50	0.719	16.7	4.48	0.466
09:05	19.30	17.41	6.18	49	0.390	25.6	4.46	0.251
09:10	19.30	18.14	6.13	49	0.327	35.6	4.36	0.212
09:15	19.30	19.04	6.10	51	0.318	5.2	4.12	0.206
09:20	19.30	19.24	5.97	52	0.315	6.3	3.96	0.205
09:25	19.30	19.12	5.96	51	0.311	7.7	3.87	0.202
09:30								

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
3	40 mL	Glass	HCl	BTEX	EPA Method 8260B
2	1 L	Glass	Unpreserved	PAH's	EPA Method 8270C

Sample ID: B/MW-404(11)-1017
Sample Time: 09:30
Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Pace courier Drop-off Albany Service Center [X]
Fed-Ex [ ] UPS [ ]

Laboratory: PACE Analytical Greensburg, PA

Comments/Notes:

Appendix B – Data Usability Summary Reports

Groundwater
& Environmental Services, Inc.

1750 Kraft Drive, Suite 2700 • Blacksburg, Virginia 24060 • (866) 756 0788

January 24, 2018

Devin Shay
Groundwater & Environmental Services
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Troy Liberty Street- Site Data Package:

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Pace Project No.: 30232978) from Pace Analytical Services, Inc., for the analysis of samples collected on October 12, 2017 from monitoring wells located at the National Grid: Troy Liberty Street Site. Eight aqueous samples and a field duplicate were analyzed for BTEX and PAHs. Methodologies utilized are those of USEPA SW846 methods 8260B and 8270C with additional QC requirements of the NYSDEC ASP.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with full validation review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEP A National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate Recoveries
- Matrix Spike Recoveries/Duplicate (M S / M S D) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- 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.

Table 1. Laboratory – Field Cross Reference

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
30232978001	B/MW-101(05)-1017	Water	10/12/17 10:25	10/13/17 09:50
30232978002	B/MW-102(05)-1017	Water	10/12/17 09:10	10/13/17 09:50
30232978003	B/MW-104(05)-1017	Water	10/12/17 07:55	10/13/17 09:50
30232978004	B/MW-202(06)-1017	Water	10/12/17 08:30	10/13/17 09:50
30232978005	B/MW-203(06)-1017	Water	10/12/17 10:30	10/13/17 09:50
30232978006	B/MW-404(11)-1017	Water	10/12/17 09:30	10/13/17 09:50
30232978007	Field Dup-1017	Water	10/12/17 00:00	10/13/17 09:50
30232978008	Trip Blank	Water	10/12/17 00:01	10/13/17 09:50
30232978009	B/MW-104(05)1017 MS	Water	10/12/17 07:55	10/13/17 09:50
30232978010	B/MW-104(05)1017 MSD	Water	10/12/17 07:55	10/13/17 09:50

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. Also included with this narrative are sample results forms.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times are met. Surrogate and recoveries are within required limits. The blind field duplicate correlations, where applicable, fall within guidance limits.

PAHs by EPA8270D/NYSDEC ASP

Holding times are met. Surrogate recoveries are within analytical and validation guidelines. Blanks show no contamination. The blind field duplicate correlations, where applicable, fall within guidance limits.

Data Package Completeness

The NYSDEC Category B deliverables was 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.
Project Chemist
701 N Main, 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

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

SAMPLE SUMMARY

Project: National Grid - Troy Liberty S
Pace Project No.: 30232978

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30232978001	**B/MW-101(05)-1017**	Water	10/12/17 10:25	10/13/17 09:50
30232978002	**B/MW-102(05)-1017**	Water	10/12/17 09:10	10/13/17 09:50
30232978003	**B/MW-104(05)-1017**	Water	10/12/17 07:55	10/13/17 09:50
30232978004	**B/MW-202(06)-1017**	Water	10/12/17 08:30	10/13/17 09:50
30232978005	**B/MW-203(06)-1017**	Water	10/12/17 10:30	10/13/17 09:50
30232978006	**B/MW-404(11)-1017**	Water	10/12/17 09:30	10/13/17 09:50
30232978007	**Field Dup-1017**	Water	10/12/17 00:00	10/13/17 09:50
30232978008	**Trip Blank**	Water	10/12/17 00:01	10/13/17 09:50
30232978009	**B/MW-104(05)1017 MS**	Water	10/12/17 07:55	10/13/17 09:50
30232978010	**B/MW-104(05)1017 MSD**	Water	10/12/17 07:55	10/13/17 09:50

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

PROJECT NARRATIVE

Project: National Grid - Troy Liberty S
Pace Project No.: 30232978

Method: **EPA 8270D by SIM**
Description: 8270D MSSV PAH by SIM
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: January 10, 2018

General Information:
9 samples were analyzed for EPA 8270D by SIM. 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.

ip: Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 Method 8270D. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

- B/MW-101(05)-1017 (Lab ID: 30232978001)
- B/MW-102(05)-1017 (Lab ID: 30232978002)
- B/MW-104(05)-1017 (Lab ID: 30232978003)
- B/MW-203(06)-1017 (Lab ID: 30232978005)

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:

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

PROJECT NARRATIVE

Project: National Grid - Troy Liberty S
Pace Project No.: 30232978

Method: **EPA 8260C**
Description: 8260C MSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: January 10, 2018

General Information:
10 samples were analyzed for EPA 8260C. 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.

Attachment 2 – 2016 Groundwater Report

January 11, 2017

Mr. Scott Deyette
Chief, Inspection Unit
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7012

Consulting
Engineers and
Scientists

Re: 2016 Post-Remediation Groundwater Sampling
Liberty Street Non-Owned Former Manufactured Gas Plant (MGP) Site
Troy, New York
NYSDEC Site # V000482

Dear Mr. Deyette:

On behalf of National Grid, GEI Consultants, Inc., P.C. (GEI) is providing you with this letter report which summarizes groundwater monitoring activities performed after the remediation and restoration of) the Liberty Street Non-Owned Former MGP Site in Troy, New York (the "Site", see Figure 1). Figure 2 presents former structures and current conditions.

The following piezometers and monitoring wells were decommissioned prior to remediation in 2014, with concurrence from New York State Department of Environmental Conservation:

- B/MW-103(05), B/MW-201(06), B/MW-301(10) through B/MW-303(10) and B/MW-324(10), and B/PZ-407(11) through B/PZ-411(11).
- Wells B/MW-101(05), B/MW-102(05), B/MW-104(05), B/MW-202(06), B/MW-203(06), and B/MW-404(11) continue to be sampled.

Table 1 presents the construction details for the wells that were sampled.

Field Procedures

A full round of groundwater gauging and sampling took place at the Site (Figure 2) on November 9, 2016. Groundwater samples were collected using low-flow sampling techniques with a peristaltic pump and YSI water quality sonde. Initially, purge water was continuously monitored for pH, dissolved oxygen, oxidation-reduction potential, temperature, conductivity, and turbidity. When the purge parameters had stabilized to +/- 10%, samples were collected by directly filling clean sample containers provided by the laboratory. During sampling the YSI meter was damaged and NYSDEC was immediately notified. Per NYSDEC response, the remaining samples were collected after three well volumes were purged.

Once collected, all samples were immediately placed on ice. Well sampling sheets are provided in Attachment A and final groundwater discharge parameters are provided in Table 2.

TestAmerica (Pittsburgh, PA) analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) via United States Environmental Protection Agency (EPA) Method 8260B and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270C.

GEI Consultants, Inc.
455 Winding Brook Drive, Suite 201, Glastonbury, CT 06033
860.368.5300 fax: 860.368.5307

Validation

Groundwater analytical data were validated per appropriate EPA guidance, consistent with New York State Analytical Services Protocol Category B guidance. The data usability summary reports and validated Form 1s are presented in Attachment B. All other laboratory data and documents are on file with GEI. These documents are available on request.

Groundwater Results Summary

2016 groundwater measurements and elevations are provided in Table 3. Groundwater contours and validated analytical data are summarized in Figure 3. The groundwater contours developed from the November 2016 gauging measurements are consistent with historical contours. Overburden groundwater flow direction at the Site is from the east to west/northwest.

November 2016 and historical groundwater analytical data are provided in Table 4.

BTEX compounds were not detected in any of the groundwater samples. Very low levels of PAHs were present in some of the wells.

Wells B/MW-203(06) and B/MW-202(06) have a consistent pattern of non-detects for many years. If this trend remains after 2017 groundwater sampling, NYSDEC should consider removing them from the sampling program.

Waste Disposal

Purged ground water and decontamination fluids were containerized in a 55-gallon reconditioned steel drum and were properly disposed of by Clean Harbors on behalf of National Grid.

If you have any questions or require additional information, please feel free to contact me at (315) 428-3101 or Jerry Zak (GEI Consultants, Inc., P.C.) at (860) 368-5404.

Sincerely,

for

James Morgan
Project Manager

John Ripp
Vice President

Enclosures

JZ/ammH:\WPROC\ADMIN\Templates\Glastonbury\GEI letterhead 1800 Glastonbury CT.docx

Tables

Table 1. Monitoring Well Construction Details
2016 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Installed	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Total Boring Depth (ft, bgs)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Top of Sand Pack (ft, bgs)	Well Screen Material	Unit Screened
B/MW-101(05)	12/5/2005	32.15	31.99	30	17	27	27	23	14	2-in ID Sch 40 PVC factory slotted	f sand, silt, gravel
B/MW-102(05)	12/7/2005	28.05	27.60	17.5	7	17	17	12	5	2-in ID Sch 40 PVC factory slotted	f-m sand, silt
B/MW-103(05)	12/5/2005	33.38	33.13	30	18	28	28	23	16	2-in ID Sch 40 PVC factory slotted	f-m sand, silt, clay, gravel
B/MW-104(05)	12/6/2005	29.42	29.14	24	12	22	22	17	11	2-in ID Sch 40 PVC factory slotted	f-m sand, gravel
B/MW-201(06)	12/14/2006	35.01	34.62	25	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand
B/MW-202(06)	12/12/2006	28.68	28.10	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand, gravel
B/MW-203(06)	12/12/2006	26.06	25.32	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silt
B/MW-301(10)	11/1/2010	31.14	30.81	35	15	25	25	20	13	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silty sand, gravel, silt, clay
B/MW-302(10)	11/1/2010	33.02	32.60	35	15	25	25	20	13	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
B/MW-303(10)	10/29/2010	33.35	32.97	45	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	clay, f-c sand
B/MW-324(10)	10/29/2010	33.09	32.63	45	14	24	26	19	12	2-in ID Sch 40 PVC 0.010" slot	silty f-c sand, gravel, clay
B/MW-404(11)	4/14/2011	33.33	32.95	30	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
B/PZ-407(11)	4/12/2011	29.81	29.26	30	14	24	24	19	10	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay
B/PZ-408(11)	4/12/2011	31.87	31.53	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel
B/PZ-409(11)	4/12/2011	33.33	32.79	30	15	25	25	20	13	1-in ID Sch 40 PVC 0.010" slot	silty f-c sand, gravel
B/PZ-410(11)	4/12/2011	31.65	31.17	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay
B/PZ-411(11)	4/13/2011	30.61	30.21	30	14	24	24	19	12	1-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, clay

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988

ft, bgs - feet below ground surface

B/MW-103(05) - Well decommissioned

B/PZ-407(11) - Piezometer decommissioned

Table 2. Final Groundwater Discharge Parameters
2016 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Sampled	Temperature (deg. C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)
B/MW-101(05)	11/18/2010	15.22	1548	14.26	6.78	137.4	3.1
B/MW-102(05)	11/19/2010	24.63	935	0.16	6.86	176.1	6.7
B/MW-103(05)	11/19/2010	13.84	1265	22.16	6.69	-151.0	10.6
B/MW-104(05)	11/18/2010	16.01	1052	20.72	6.53	79.0	6.2
B/MW-201(06)	11/18/2010	14.66	1224	19.55	6.6	130.9	0.3
B/MW-202(06)	11/18/2010	16.56	1644	26.80	6.38	128.9	8.3
B/MW-203(06)	11/18/2010	14.55	1473	1.86	7.06	316.4	5.8
B/MW-301(10)	11/18/2010	18.59	1876	0.97	6.96	121.0	9.8
B/MW-302(10)	11/18/2010	15.40	1013	0.67	7.30	357.1	2.6
B/MW-303(10)	11/18/2010	19.33	188	1.98	7.8	310.1	4.6
B/MW-324(10)	11/19/2010	17.00	2203	0.07	6.87	-47.2	-1.0
B/MW-101(05)	5/5/2011	12.77	1986	6.49	6.75	157	18.8
B/MW-102(05)	5/5/2011	11.50	1884	0.44	6.67	202.8	3.2
B/MW-103(05)	5/6/2011	14.06	1612	6.60	6.66	-165.7	5.3
B/MW-104(05)	5/5/2011	12.93	2078	2.03	6.55	151	2.7
B/MW-201(06)	5/5/2011	11.64	3299	7.18	6.67	150.3	5.0
B/MW-202(06)	5/6/2011	14.03	2228	6.99	6.45	45.7	1.3
B/MW-203(06)	5/5/2011	11.88	4767	2.42	6.91	111.1	0.0
B/MW-301(10)	5/5/2011	13.34	2883	12.00	6.67	-103.3	5.5
B/MW-302(10)	5/5/2011	12.53	1388	12.03	7.02	181	0.0
B/MW-303(10)	5/5/2011	9.02	352	27.29	8.02	80.8	0.2
B/MW-324(10)	5/6/2011	14.08	4558	0.51	5.43	-213.5	-10.7
B/MW-404(11)	5/6/2011	9.95	522	46.70	5.55	205.2	-5.6
B/MW-101(05)	8/19/2014	17.50	1260	1.40	6.76	-13.8	1.4
B/MW-102(05)	8/19/2014	18.60	956	0.01	6.45	39.9	1.0
B/MW-104(05)	8/19/2014	17.00	1597	0.02	6.21	-4.0	0.1
B/MW-202(06)	8/19/2014	16.80	2152	0.06	6.17	-27.2	2.6
B/MW-203(06)	8/19/2014	17.30	3135	0.02	6.36	-33.9	8.2
B/MW-404(11)	8/19/2014	19.90	339	2.09	6.69	41.0	0.2
B/MW-101(05)	10/7/2015	17.01	1368	2.00	7.13	128.3	1.01
B/MW-102(05)	10/7/2015	19.34	1416	0.26	6.80	258.3	4.10
B/MW-104(05)	10/7/2015	17.60	1589	0.32	6.72	135.3	5.13
B/MW-202(06)	10/7/2015	17.54	2410	0.31	6.58	137.5	4.91
B/MW-203(06)	10/7/2015	19.01	2806	0.77	6.97	182.5	5.53
B/MW-404(11)	10/7/2015	17.18	1315	0.35	6.50	146.5	3.15
B/MW-101(05)	11/9/2016	15.12	1907	1.49	7.15	206.1	4.18
B/MW-104(05)	11/9/2016	16.88	1209	0.29	6.86	203.1	4.87

Notes:

deg. C - degrees Celsius
mS/cm - milliSiemens per centimeter
mg/L - milligrams per liter
S.U. - Standard units
mV - milliVolts
NTU - Nephelometric Turbidity Units

Table 3. Groundwater Elevations
2016 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Northing	Easting	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)
B/MW-101(05)	1418713.7909	709904.0096	32.15	31.99	17	27	27	23
B/MW-102(05)	1418829.6033	709787.6836	28.05	27.60	7	17	17	12
B/MW-103(05)	1418570.6710	709822.8544	33.38	33.13	18	28	28	23
B/MW-104(05)	1418760.6340	709802.7049	29.42	29.14	12	22	22	17
B/MW-201(06)	1418475.6220	709829.4970	35.01	34.62	14	24	24	19
B/MW-202(06)	1418742.2620	709740.6720	28.68	28.10	9.5	19.5	19.5	14.5
B/MW-203(06)	1418857.9290	709719.8990	26.06	25.32	9.5	19.5	19.5	14.5
B/MW-301(10)	1418812.6260	709911.3770	31.14	30.81	15	25	25	20
B/MW-302(10)	1418625.7960	709886.5990	33.02	32.60	15	25	25	20
B/MW-303(10)	1418539.6000	709753.7880	33.35	32.97	14	24	24	19
B/MW-324(10)	1418570.3330	709807.5630	33.09	32.63	14	24	26	19
B/MW-404(11)	1418558.6354	709772.8932	33.33	32.95	14	24	24	19
B/PZ-407(11)	1418816.8233	709849.1786	29.81	29.26	14	24	24	19
B/PZ-408(11)	1418758.7155	709932.5038	31.87	31.53	14	24	24	19
B/PZ-409(11)	1418656.4867	709931.7253	33.33	32.79	15	25	25	20
B/PZ-410(11)	1418668.8797	709837.9031	31.65	31.17	14	24	24	19
B/PZ-411(11)	1418687.3890	709791.6188	30.61	30.21	14	24	24	19

Table 3. Groundwater Elevations
2016 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Northing	Easting	Depth to Water (12/2005) (ft, bgs)	Groundwater Elevation (12/2005) (ft, NAVD88)	Depth to Water (12/2006) (ft, bgs)	Groundwater Elevation (12/2006) (ft, NAVD88)	Depth to Water (11/18/10) (ft, bgs)	Groundwater Elevation (11/18/10) (ft, NAVD88)
B/MW-101(05)	1418713.7909	709904.0096	NA	15.12	NA	14.43	17.57	14.42
B/MW-102(05)	1418829.6033	709787.6836	NA	14.84	NA	14.15	13.65	13.95
B/MW-103(05)	1418570.6710	709822.8544	NA	14.68	NA	13.95	19.25	13.88
B/MW-104(05)	1418760.6340	709802.7049	NA	14.67	NA	13.95	15.21	13.93
B/MW-201(06)	1418475.6220	709829.4970	--	--	NA	14.00	20.80	13.82
B/MW-202(06)	1418742.2620	709740.6720	--	--	NA	14.18	14.20	13.90
B/MW-203(06)	1418857.9290	709719.8990	--	--	NA	14.50	11.70	13.62
B/MW-301(10)	1418812.6260	709911.3770	--	--	--	--	16.85	13.96
B/MW-302(10)	1418625.7960	709886.5990	--	--	--	--	18.73	13.87
B/MW-303(10)	1418539.6000	709753.7880	--	--	--	--	16.65	16.32
B/MW-324(10)	1418570.3330	709807.5630	--	--	--	--	18.73	13.9
B/MW-404(11)	1418558.6354	709772.8932	--	--	--	--	--	--
B/PZ-407(11)	1418816.8233	709849.1786	--	--	--	--	--	--
B/PZ-408(11)	1418758.7155	709932.5038	--	--	--	--	--	--
B/PZ-409(11)	1418656.4867	709931.7253	--	--	--	--	--	--
B/PZ-410(11)	1418668.8797	709837.9031	--	--	--	--	--	--
B/PZ-411(11)	1418687.3890	709791.6188	--	--	--	--	--	--

Table 3. Groundwater Elevations
2016 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Northing	Easting	Groundwater Elevation (5/4/11) (ft, NAVD88)	Depth to Water (8/19/2014) (ft, bgs)	Groundwater Elevation (8/19/2014) (ft, NAVD88)	Depth to Water (10/07/2015) (ft, bgs)	Groundwater Elevation (10/07/2015) (ft, NAVD88)	Depth to Water (11/09/2016) (ft, bgs)	Groundwater Elevation (11/09/2016) (ft, NAVD88)
B/MW-101(05)	1418713.7909	709904.0096	15.93	17.24	14.75	17.82	14.17	18.7	13.29
B/MW-102(05)	1418829.6033	709787.6836	15.45	13.17	14.43	13.8	13.8	14.7	12.90
B/MW-103(05)	1418570.6710	709822.8544	15.47	NM	NM	NM	NM	NM	NM
B/MW-104(05)	1418760.6340	709802.7049	15.50	14.75	14.39	15.32	13.82	16.23	12.91
B/MW-201(06)	1418475.6220	709829.4970	15.42	NM	NM	NM	NM	NM	NM
B/MW-202(06)	1418742.2620	709740.6720	NM	13.76	14.34	14.31	13.79	15.22	12.88
B/MW-203(06)	1418857.9290	709719.8990	15.07	11.33	13.99	11.89	13.43	12.8	12.52
B/MW-301(10)	1418812.6260	709911.3770	15.46	NM	NM	NM	NM	NM	NM
B/MW-302(10)	1418625.7960	709886.5990	15.45	NM	NM	NM	NM	NM	NM
B/MW-303(10)	1418539.6000	709753.7880	16.97	NM	NM	NM	NM	NM	NM
B/MW-324(10)	1418570.3330	709807.5630	15.42	NM	NM	NM	NM	NM	NM
B/MW-404(11)	1418558.6354	709772.8932	15.44	18.61	14.34	19.23	13.72	20.14	12.81
B/PZ-407(11)	1418816.8233	709849.1786	15.45	NM	NM	NM	NM	NM	NM
B/PZ-408(11)	1418758.7155	709932.5038	15.52	NM	NM	NM	NM	NM	NM
B/PZ-409(11)	1418656.4867	709931.7253	15.43	NM	NM	NM	NM	NM	NM
B/PZ-410(11)	1418668.8797	709837.9031	15.43	NM	NM	NM	NM	NM	NM
B/PZ-411(11)	1418687.3890	709791.6188	15.37	NM	NM	NM	NM	NM	NM

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
Parent Sample																B/MW-102 (05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
BTEX	ug/L															
Benzene		71-43-2	1	0.39 U	0.39 U	5 U	5 U	1 U	0.5 U	1 U	0.39 U	0.39 U	5 U	5 U	**0.086 J**	1 U
Toluene		108-88-3	5	0.36 U	0.36 U	5 U	5 U	1 U	2.5 U	1 U	0.36 U	0.36 U	5 U	5 U	1 U	1 U
Ethylbenzene		100-41-4	5	0.45 U	0.45 U	5 U	5 U	1 U	2.5 U	1 U	0.45 U	0.45 U	5 U	5 U	1 U	1 U
o-Xylene		95-47-6	5	0.46 U	0.46 U				2.5 U	1 U	**0.72 J**	0.46 U				
m/p-Xylene		179601-23-1	5	0.12 U	1.2 U				2.5 U	1 U	0.12 U	1.2 U				
Total Xylene		1330-20-7	5			5 U	5 U	2 U	2.5 U	2 U			5 U	5 U	2 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	**0.72**	ND	ND	ND	**0.086**	ND
Other VOCs	ug/L															
Acetone		67-64-1	50*			10 U	10 U						10 U	10 U		
Bromodichloromethane		75-27-4	50*			5 U	5 U						5 U	5 U		
Bromoform		75-25-2	50*			5 U	5 U						5 U	5 U		
Bromomethane		74-83-9	5			5 U	5 U						5 UJ	5 U		
Carbon disulfide		75-15-0	60*			5 U	5 U						5 U	5 U		
Carbon tetrachloride		56-23-5	5			5 U	5 U						5 U	5 U		
Chlorobenzene		108-90-7	5			5 U	5 U						5 U	5 U		
Chloroethane		75-00-3	5			5 U	5 UJ						5 U	5 UJ		
Chloroform (Trichloromethane)		67-66-3	7	**5**		**4.3 J**	**3.8 J**				**1.9 J**		5 U	5 U		
Chloromethane		74-87-3	5			5 U	5 U						5 U	5 U		
Cyclohexane		110-82-7	NE	0.36 U							0.36 U					
Dibromochloromethane		124-48-1	50*			5 U	5 U						5 U	5 U		
1,1-Dichloroethane		75-34-3	5			5 UJ	5 U						5 U	5 U		
1,2-Dichloroethane		107-06-2	0.6			5 U	5 U						5 U	5 U		
1,1-Dichloroethene		75-35-4	5			5 U	5 U						5 U	5 U		
cis-1,2-Dichloroethene		156-59-2	5			5 U	5 U						5 U	5 U		
trans-1,2-Dichloroethene		156-60-5	5			5 U	5 U						5 U	5 U		
1,2-Dichloropropane		78-87-5	1			5 U	5 U						5 U	5 U		
cis-1,3-Dichloropropene		10061-01-5	0.4			5 U	5 U						5 U	5 U		
trans-1,3-Dichloropropene		10061-02-6	0.4			5 U	5 U						5 U	5 U		
2-Hexanone		591-78-6	50*			10 U	10 U						10 U	10 U		
Isopropylbenzene		98-82-8	5	0.44 U							0.44 U					
Methyl ethyl ketone (2-Butanone)		78-93-3	50*			10 U	10 U						10 U	10 U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE			10 U	10 U						10 U	10 U		
Methylcyclohexane		108-87-2	NE	0.34 U							0.34 U					
Methylene chloride		75-09-2	5			5 U	5 U						5 U	5 U		
Styrene		100-42-5	5	0.41 U		5 U	5 U				0.41 U		5 U	5 U		
1,1,2,2-Tetrachloroethane		79-34-5	5			5 U	5 U						5 U	5 U		
Tetrachloroethene (PCE)		127-18-4	5			5 U	5 U						5 U	5 U		
1,1,1-Trichloroethane (TCA)		71-55-6	5			5 U	5 U						5 U	5 U		
1,1,2-Trichloroethane		79-00-5	1			5 U	5 U						5 U	5 U		
Trichloroethene (TCE)		79-01-6	5			5 U	5 U						5 U	5 U		
Vinyl chloride		75-01-4	2			5 U	5 U						5 U	5 U		
NYSDEC PAH17	ug/L															
Acenaphthene		83-32-9	20*	2.7 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**42**	**15 JD**	4.4 U	4 U	10 U	11 U
Acenaphthylene		208-96-8	NE	2.6 U	1.3 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**1.8 J**	**9.4 JD**	4.4 U	4 U	10 U	11 U
Anthracene		120-12-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**6.9 J**	**23 JD**	4.4 U	4 U	**1.3 J**	11 U
Benzo(a)anthracene		56-55-3	0.002*	2.2 U	1.1 U	4.3 U	4 U	1 U	0.2 U	0.18 U	**2.7 J**	**39 JD**	4.4 U	4 U	**1.8**	**1.7**
Benzo(b)fluoranthene		205-99-2	0.002*	2.2 U	0.76 U	4.3 U	4 U	1 U	0.2 U	0.18 U	**3 J**	**40 JD**	4.4 U	4 U	**1.9**	**2.1**
Benzo(k)fluoranthene		207-08-9	0.002*	2.6 U	1.9 U	4.3 U	4 U	1 U	0.2 U	0.18 U		**25 JD**	4.4 U	4 U	**0.82 J**	**0.81 J**
Benzo(g,h,i)perylene		191-24-2	NE	2.3 U	1.1 U	4.3 U	4 UJ	10 U	0.2 U	0.18 U	**2.5 J**	**50 JD**	4.4 U	4 UJ	10 U	**1.1 J**

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
Parent Sample																B/MW-102 (05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Benzo(a)pyrene		50-32-8	ND	1.5 U	1.2 U	4.3 U	4 U	1 U	0.2 U	0.18 U	**2.9 J**	**46 JD**	4.4 U	4 U	**1.8 J**	**1.9 J**
Chrysene		218-01-9	0.002*	3.3 U	1.7 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**3 J**	**36 JD**	4.4 U	4 U	**2.2 J**	**1.6 J**
Dibenz(a,h)anthracene		53-70-3	NE		0.87 U	4.3 U	4 U	1 U	0.2 U	0.18 U		4.5 UD	4.4 U	4 U	1 U	1.1 U
Fluoranthene		206-44-0	50*	2.4 U	1.2 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**12**	**76 D**	4.4 U	4 U	**3.4 J**	**3.4 J**
Fluorene		86-73-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**24**	7.2 UD	4.4 U	4 U	10 U	11 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	1.7 U	0.84 U	4.3 U	4 U	1 U	0.2 U	0.18 U	**2.7 J**	**33 JD**	4.4 U	4 U	**0.89 J**	**0.55 J**
2-Methylnaphthalene		91-57-6	NE	2.2 U		4.3 U	4 U	10 U	0.2 U	0.18 U	**8.9 J**		4.4 U	4 U	10 U	11 U
Naphthalene		91-20-3	10*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.18 U	1.4 U	7.1 UD	4.4 U	4 U	10 U	11 U
Phenanthrene		85-01-8	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**40**	**27 JD**	4.4 U	4 U	10 U	11 U
Pyrene		129-00-0	50*	2.9 U	1.5 U	4.3 U	4 U	10 U	0.2 U	0.18 U	**10 J**	**190 D**	4.4 U	4 U	**3.9 J**	**4 J**
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	**162.4**	**609.4**	ND	ND	**18.01**	**17.16**
NYSDEC PAH17 Other SVOCs	ug/L															
Benzyl alcohol		100-51-6	NE			4.3 U	4 U						4.4 U	4 U		
Bis(2-chloroethoxy)methane		111-91-1	5			4.3 U	4 U						4.4 U	4 U		
Bis(2-chloroethyl)ether		111-44-4	1			4.3 U	4 U						4.4 U	4 U		
2,2-oxybis(1-Chloropropane)		108-60-1	5			4.3 U	4 U						4.4 U	4 U		
Bis(2-ethylhexyl)phthalate		117-81-7	5			4.3 U	4 U						4.4 U	4 U		
4-Bromophenyl phenyl ether		101-55-3	NE			4.3 U	4 U						4.4 U	4 U		
Butyl benzyl phthalate		85-68-7	50*			4.3 U	4 U						4.4 U	4 U		
Carbazole		86-74-8	NE			4.3 U	4 U				**13**		4.4 U	4 U		
4-Chloro-3-methylphenol		59-50-7	NE			5.3 U	5 U						5.6 U	5 U		
4-Chloroaniline		106-47-8	5			4.3 U							4.4 U			
2-Chloronaphthalene		91-58-7	10*			4.3 U	4 U		0.2 U				4.4 U	4 U		
2-Chlorophenol		95-57-8	NE			4.3 U	4 U						4.4 U	4 U		
4-Chlorophenyl phenyl ether		7005-72-3	NE			4.3 U	4 U						4.4 U	4 U		
Dibenzofuran		132-64-9	NE	2.6 U		4.3 U	4 U				**11**		4.4 U	4 U		
1,2-Dichlorobenzene		95-50-1	3			4.3 U	4 U						4.4 U	4 U		
1,3-Dichlorobenzene		541-73-1	3			4.3 U	4 U						4.4 U	4 U		
1,4-Dichlorobenzene		106-46-7	3			4.3 U	4 U						4.4 U	4 U		
3,3-Dichlorobenzidine		91-94-1	5			4.3 U	4 U						4.4 U	4 U		
2,4-Dichlorophenol		120-83-2	5			4.3 U	4 U						4.4 U	4 U		
Diethyl phthalate		84-66-2	50*			4.3 U	4 U						4.4 U	4 U		
Dimethyl phthalate		131-11-3	50*			4.3 U	4 U						4.4 U	4 U		
2,4-Dimethylphenol		105-67-9	50*			4.3 U	4 U						4.4 U	4 U		
Di-n-butyl phthalate		84-74-2	50			4.3 U	4 U						4.4 U	4 U		
4,6-Dinitro-2-methylphenol		534-52-1	NE			27 U	25 U						28 U	25 U		
2,4-Dinitrophenol		51-28-5	10*			27 U	25 U						28 U	25 U		
2,4-Dinitrotoluene		121-14-2	5			4.3 U	4 U						4.4 U	4 U		
2,6-Dinitrotoluene		606-20-2	5			4.3 U	4 U						4.4 U	4 U		
Di-n-octyl phthalate		117-84-0	50*			4.3 U	4 U						4.4 U	4 U		
Hexachlorobenzene		118-74-1	0.04			4.3 U	4 U						4.4 U	4 U		
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5			4.3 U	4 UJ						4.4 U	4 UJ		
Hexachlorocyclopentadiene		77-47-4	5			4.3 U	4 U						4.4 U	4 U		
Hexachloroethane		67-72-1	5			4.3 U	4 U						4.4 U	4 U		
Isophorone		78-59-1	50*			4.3 U	4 U						4.4 U	4 U		
2-Methylphenol (o-Cresol)		95-48-7	1			4.3 U	4 U						4.4 U	4 U		
4-Methylphenol (p-Cresol)		106-44-5	1			4.3 U	4 U						4.4 U	4 U		
2-Nitroaniline		88-74-4	5			4.3 U	4 U						4.4 U	4 U		
3-Nitroaniline		99-09-2	5			4.3 U	4 U						4.4 U	4 U		
4-Nitroaniline		100-01-6	5			4.3 U	4 U						4.4 U	4 U		

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
Parent Sample																B/MW-102 (05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Nitrobenzene		98-95-3	0.4			4.3 U	4 U						4.4 U	4 U		
2-Nitrophenol		88-75-5	NE			4.3 U	4 U						4.4 U	4 U		
4-Nitrophenol		100-02-7	NE			11 U	10 U						11 U	10 U		
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*			4.3 U	4 U						4.4 U	4 U		
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE			4.3 U	4 U						4.4 U	4 U		
Pentachlorophenol		87-86-5	1			27 U	25 U						28 U	25 U		
Phenol		108-95-2	1			4.3 U	4 U						4.4 U	4 U		
1,2,4-Trichlorobenzene		120-82-1	5			4.3 U	4 U						4.4 U	4 U		
2,4,5-Trichlorophenol		95-95-4	NE			11 U	10 U						11 U	10 U		
2,4,6-Trichlorophenol		88-06-2	NE			4.3 U	4 U						4.4 U	4 U		
Total SVOCs (ND=0)		TSVOC_ND0	NE	ND	ND						**186.4**	**609.4**				
PCB Aroclors	ug/L															
Total PCBs (Lab calculated)		1336-36-3	0.09	ND							ND					
Pesticides	ug/L															
Aldrin		309-00-2	ND	0.06 U							**0.28**					
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04	0.1 U							0.052 U					
4,4-DDD (p,p-DDD)		72-54-8	0.3	0.014 U							0.007 U					
Total Metals	ug/L															
Aluminum		7429-90-5	NE	**709 J**		**71.5 J**	**163 J**				**31700 J**		**121 J**	**15.5 J**		
Antimony		7440-36-0	3	3.17 U		15 U	15 U				**55.5 J**		15 U	15 U		
Arsenic		7440-38-2	25	3.32 UJ		15 U	15 U				**25.5 J**		15 UJ	15 U		
Barium		7440-39-3	1000	**67.8**		**130**	**148**				**564 J**		**218**	**224**		
Beryllium		7440-41-7	3*	**0.24**		5 U	5 U				**2.64 J**		5 U	5 U		
Cadmium		7440-43-9	5	0.327 U		5 U	5 U				0.327 U		5 U	5 U		
Calcium		7440-70-2	NE	**54500**		**129000**	**145000**				**135000**		**109000**	**155000**		
Chromium		7440-47-3	50	**2.03 J**		5 U	5 U				**39.9**		5 U	5 U		
Cobalt		7440-48-4	NE	0.37 U		5 U	5 U				**34.9 J**		5 U	5 U		
Copper		7440-50-8	200	**9.05 J**		**2.7 J**	**2.9 J**				**88.7**		**3.6 J**	**1.9 J**		
Iron		7439-89-6	300	**1610**		**173**	**430**				**69700**		**379**	**89.4 J**		
Lead		7439-92-1	25	**3.73 J**		15 UJ	15 U				**161**		15 U	15 U		
Magnesium		7439-95-4	35000*	**13500**		**30700**	**37500**				**57600**		**72700**	**104000**		
Manganese		7439-96-5	300	**266**		**121**	**52.3**				**10100**		**1110**	**424**		
Mercury		7439-97-6	0.7	0.03 U		0.4 U	0.2 U				**1.28 J**		0.4 U	0.2 U		
Nickel		7440-02-0	100	1.56 U		5 U	5 U				**40.4**		**2 J**	**1 J**		
Potassium		7440-09-7	NE	**5330**		**6360**	**8410**				**22500 J**		**26400**	**28100**		
Selenium		7782-49-2	10	3.04 U		38 U	38 U				3.04 U		38 U	38 U		
Silver		7440-22-4	50	1.64 U		5 U	5 U				**12**		5 U	5 U		
Sodium		7440-23-5	20000	332 U		**296000**	**279000**				**54200**		**79100**	**126000**		
Thallium		7440-28-0	0.5*	3.05 U		15 U	15 U				3.05 U		15 U	15 U		
Vanadium		7440-62-2	NE	0.701 U		**1.2 J**	**1.7 J**				**45.8 J**		**2.3 J**	5 U		
Zinc		7440-66-6	2000*	**40.2 J**		**5.1 J**	**5.1 J**				**198 J**		25 U	25 U		
Cyanides	ug/L															
Total Cyanide		57-12-5	200	0.01 U		10 U	10 U				**0.965**		**189**	**166**		

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-Dup 2005(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Date				10/7/2015	11/9/2016	12/20/2005	12/20/2005	12/31/2006	11/19/2010	5/6/2011	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
Parent Sample							B/MW-103(05)									
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
BTEX	ug/L															
Benzene		71-43-2	1	0.5 U	1 U	**100**	**130**	**82**	**8**	**150**	**2.7 J**	**1.9 J**	5 U	5 U	1 U	0.5 U
Toluene		108-88-3	5	2.5 U	1 U	**130**	**160**	**6.6**	5 U	**8.1**	0.36 U	0.36 U	5 U	5 U	1 U	2.5 U
Ethylbenzene		100-41-4	5	2.5 U	1 U	**120**	**140**	**53**	5 U	**10**	**1.3 J**	0.45 U	5 U	5 U	1 U	2.5 U
o-Xylene		95-47-6	5	2.5 U	1 U	**96**	**110**	**28**			**3.2 J**	0.46 U				2.5 U
m/p-Xylene		179601-23-1	5	2.5 U	1 U	**220**	**260**	**35**			**6.2 J**	1.2 U				2.5 U
Total Xylene		1330-20-7	5	2.5 U	2 U				5 U	**31**			5 U	5 U	2 U	2.5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	**666**	**800**	**204.6**	**8**	**199.1**	**13.4**	**1.9**	ND	ND	ND	ND
Other VOCs	ug/L															
Acetone		67-64-1	50*						10 U	10 U			10 U	10 U		
Bromodichloromethane		75-27-4	50*						5 U	5 U			5 U	5 U		
Bromoform		75-25-2	50*						5 UJ	5 U			5 UJ	5 U		
Bromomethane		74-83-9	5						5 UJ	5 U			5 UJ	5 U		
Carbon disulfide		75-15-0	60*						5 U	5 U			5 U	5 U		
Carbon tetrachloride		56-23-5	5						5 U	5 U			5 U	5 U		
Chlorobenzene		108-90-7	5						5 U	5 U			5 U	5 U		
Chloroethane		75-00-3	5						5 U	5 UJ			5 U	5 UJ		
Chloroform (Trichloromethane)		67-66-3	7			**1.4 J**	**1.7 J**		5 U	5 U	**0.52 J**		5 U	5 U		
Chloromethane		74-87-3	5						5 U	5 U			5 U	5 U		
Cyclohexane		110-82-7	NE			**1.2 J**	**1.5 J**				0.36 U					
Dibromochloromethane		124-48-1	50*						5 UJ	5 U			5 U	5 U		
1,1-Dichloroethane		75-34-3	5						5 UJ	5 U			5 UJ	5 U		
1,2-Dichloroethane		107-06-2	0.6						5 U	5 U			5 U	5 U		
1,1-Dichloroethene		75-35-4	5						5 U	5 U			5 U	5 U		
cis-1,2-Dichloroethene		156-59-2	5						5 U	5 U			5 U	5 U		
trans-1,2-Dichloroethene		156-60-5	5						5 U	5 U			5 U	5 U		
1,2-Dichloropropane		78-87-5	1						5 U	5 U			5 U	5 U		
cis-1,3-Dichloropropene		10061-01-5	0.4						5 U	5 U			5 U	5 U		
trans-1,3-Dichloropropene		10061-02-6	0.4						5 U	5 U			5 U	5 U		
2-Hexanone		591-78-6	50*						10 U	10 U			10 U	10 U		
Isopropylbenzene		98-82-8	5			**4.3 J**	**5.5**				0.44 U					
Methyl ethyl ketone (2-Butanone)		78-93-3	50*						10 U	10 U			10 U	10 U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE						10 U	10 U			10 U	10 U		
Methylcyclohexane		108-87-2	NE			**5.9**	**6.5**				0.34 U					
Methylene chloride		75-09-2	5						5 U	5 U			5 U	5 U		
Styrene		100-42-5	5			**13**	**15**		5 U	5 U	0.41 U		5 U	5 U		
1,1,2,2-Tetrachloroethane		79-34-5	5						5 UJ	5 U			5 U	5 U		
Tetrachloroethene (PCE)		127-18-4	5						5 U	5 U			5 U	5 U		
1,1,1-Trichloroethane (TCA)		71-55-6	5						5 U	5 U			5 U	5 U		
1,1,2-Trichloroethane		79-00-5	1						5 U	5 U			5 U	5 U		
Trichloroethene (TCE)		79-01-6	5						5 U	5 U			5 U	5 U		
Vinyl chloride		75-01-4	2						5 U	5 U			5 U	5 U		
NYSDEC PAH17	ug/L															
Acenaphthene		83-32-9	20*	0.2 U	0.18 UJ	**84**	**97**	**67 JD**	**27**	**25**	**14**	**22 JD**	4.3 U	4 U	10 U	0.2 U
Acenaphthylene		208-96-8	NE	0.2 U	0.18 UJ	**100**	**120**	**60 JD**	**4.6**	**2.5 J**	**3.6 J**	**25 JD**	4.3 U	4 U	10 U	0.2 U
Anthracene		120-12-7	50*	0.2 U	**0.03 J**	**19**	**15**	**33 JD**	**0.55 J**	**0.4 J**	**7.2 J**	**32 JD**	4.3 U	4 U	10 U	0.2 U
Benzo(a)anthracene		56-55-3	0.002*	0.2 U	**0.056 J**	**3.3 J**	**1.9 J**	**21 JD**	**0.46 J**	**0.45 J**	**2.2 J**	**56 D**	4.3 U	4 U	1 U	0.2 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.2 U	**0.075 J**	**2.2 J**	**1.3 J**	**17 JD**	4.5 U	**1.2 J**	**1.6 J**	**47 JD**	4.3 U	4 U	1 U	0.2 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.2 U	**0.063 J**			20 UD	4.5 U	**0.99 J**		**31 JD**	4.3 U	4 U	1 U	0.2 U
Benzo(g,h,i)perylene		191-24-2	NE	0.2 U	**0.066 J**	**1.3 J**	1.1 UJ	11 UD	4.5 U	4 U	1.1 UJ	36 UD	4.3 U	4 UJ	10 U	0.2 U

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-Dup 2005(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Date				10/7/2015	11/9/2016	12/20/2005	12/20/2005	12/31/2006	11/19/2010	5/6/2011	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
Parent Sample							B/MW-103(05)									
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Benzo(a)pyrene		50-32-8	ND	0.2 U	**0.046 J**	**2.1 J**	1.2 U	**18 JD**	4.5 U	4 U	**1.6 J**	**10 JD**	4.3 U	4 U	1 U	0.2 U
Chrysene		218-01-9	0.002*	0.2 U	**0.045 J**	**1.7 J**	1.7 U	17 UD	4.5 U	**0.27 J**	**2 J**	**50 JD**	4.3 U	4 U	10 U	0.2 U
Dibenz(a,h)anthracene		53-70-3	NE	0.2 U	**0.033 J**			9 UD	4.5 U	4 U		4.4 UD	4.3 U	4 U	1 U	0.2 U
Fluoranthene		206-44-0	50*	0.2 U	**0.086 J**	**27 JD**	**26 JD**	**76 JD**	**8**	**7.9**	**9.3 J**	**73 D**	4.3 U	4 U	10 U	0.2 U
Fluorene		86-73-7	50*	0.2 U	0.18 UJ	**71**	**79 D**	**67 JD**	**13**	**9.4**	**17**	**21 JD**	4.3 U	4 U	10 U	0.2 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.2 U	**0.055 J**	**1.5 J**	0.84 U	8.6 UD	4.5 U	4 U	**1 J**	**28 JD**	4.3 U	4 U	1 U	0.2 U
2-Methylnaphthalene		91-57-6	NE	0.2 U	0.18 UJ	**160**	**200**		4.5 U	4 U	1.1 U		4.3 U	4 U	10 U	0.2 U
Naphthalene		91-20-3	10*	0.2 U	0.18 UJ	**2000**	**2200**	**470 D**	4.5 U	**7.6**	1.4 U	**7.6 JD**	4.3 U	4 U	10 U	0.2 U
Phenanthrene		85-01-8	50*	0.2 U	**0.046 J**	**130**	**130**	**170 D**	**7.7**	**2.8 J**	**24**	**89 D**	4.3 U	4 U	10 U	0.2 U
Pyrene		129-00-0	50*	0.2 U	**0.078 J**	**17**	**13**	**60 JD**	**5.2**	**5.2**	**6.2 J**	**160 D**	4.3 U	4 U	10 U	0.2 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	**0.679**	**2620.1**	**2883.2**	**1059**	**66.51**	**63.71**	**89.7**	**651.6**	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L															
Benzyl alcohol		100-51-6	NE						4.5 U	4 U			4.3 U	4 U		
Bis(2-chloroethoxy)methane		111-91-1	5						4.5 U	4 U			4.3 U	4 U		
Bis(2-chloroethyl)ether		111-44-4	1						4.5 U	4 U			4.3 U	4 U		
2,2-oxybis(1-Chloropropane)		108-60-1	5						4.5 U	4 U			4.3 U	4 U		
Bis(2-ethylhexyl)phthalate		117-81-7	5						4.5 U	4 U			4.3 U	4 U		
4-Bromophenyl phenyl ether		101-55-3	NE						4.5 U	4 U			4.3 U	4 U		
Butyl benzyl phthalate		85-68-7	50*						4.5 U	4 U			4.3 U	4 U		
Carbazole		86-74-8	NE			**92**	**100**		**5.2**	**2.7 J**	**13**		4.3 U	4 U		
4-Chloro-3-methylphenol		59-50-7	NE						5.6 U	5 U			5.3 U	5 U		
4-Chloroaniline		106-47-8	5						4.5 U				4.3 U			
2-Chloronaphthalene		91-58-7	10*	0.2 U					4.5 U	4 U			4.3 U	4 U		0.2 U
2-Chlorophenol		95-57-8	NE						4.5 U	4 U			4.3 U	4 U		
4-Chlorophenyl phenyl ether		7005-72-3	NE						4.5 U	4 U			4.3 U	4 U		
Dibenzofuran		132-64-9	NE			**76**	**88**		**6.4**	**3.3 J**	**6.9 J**		4.3 U	4 U		
1,2-Dichlorobenzene		95-50-1	3						4.5 U	4 U			4.3 U	4 U		
1,3-Dichlorobenzene		541-73-1	3						4.5 U	4 U			4.3 U	4 U		
1,4-Dichlorobenzene		106-46-7	3						4.5 U	4 U			4.3 U	4 U		
3,3-Dichlorobenzidine		91-94-1	5						4.5 U	4 U			4.3 U	4 U		
2,4-Dichlorophenol		120-83-2	5						4.5 U	4 U			4.3 U	4 U		
Diethyl phthalate		84-66-2	50*						4.5 U	4 U			4.3 U	4 U		
Dimethyl phthalate		131-11-3	50*						4.5 U	4 U			4.3 U	4 U		
2,4-Dimethylphenol		105-67-9	50*						4.5 U	**7.3**			4.3 U	4 U		
Di-n-butyl phthalate		84-74-2	50						4.5 U	4 U			4.3 U	4 U		
4,6-Dinitro-2-methylphenol		534-52-1	NE						28 U	25 U			27 U	25 U		
2,4-Dinitrophenol		51-28-5	10*						28 U	25 U			27 U	25 U		
2,4-Dinitrotoluene		121-14-2	5						4.5 U	4 U			4.3 U	4 U		
2,6-Dinitrotoluene		606-20-2	5						4.5 U	4 U			4.3 U	4 U		
Di-n-octyl phthalate		117-84-0	50*						4.5 U	4 U			4.3 U	4 U		
Hexachlorobenzene		118-74-1	0.04						4.5 U	4 U			4.3 U	4 U		
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5						4.5 U	4 U			4.3 U	4 UJ		
Hexachlorocyclopentadiene		77-47-4	5						4.5 U	4 U			4.3 U	4 U		
Hexachloroethane		67-72-1	5						4.5 U	4 U			4.3 U	4 U		
Isophorone		78-59-1	50*						4.5 U	4 U			4.3 U	4 U		
2-Methylphenol (o-Cresol)		95-48-7	1						4.5 U	**3.4 J**			4.3 U	4 U		
4-Methylphenol (p-Cresol)		106-44-5	1						4.5 U	**0.95 J**			4.3 U	4 U		
2-Nitroaniline		88-74-4	5						4.5 U	4 U			4.3 U	4 U		
3-Nitroaniline		99-09-2	5						4.5 U	4 U			4.3 U	4 U		
4-Nitroaniline		100-01-6	5						4.5 U	4 U			4.3 U	4 U		

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Name				B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-Dup 2005(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Date				10/7/2015	11/9/2016	12/20/2005	12/20/2005	12/31/2006	11/19/2010	5/6/2011	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
Parent Sample							B/MW-103(05)									
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Nitrobenzene		98-95-3	0.4						4.5 U	4 U			4.3 U	4 U		
2-Nitrophenol		88-75-5	NE						4.5 U	4 U			4.3 U	4 U		
4-Nitrophenol		100-02-7	NE						11 U	10 U			11 U	10 U		
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*						4.5 U	4 U			4.3 U	4 U		
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE						4.5 U	4 U			4.3 U	4 U		
Pentachlorophenol		87-86-5	1						28 U	25 U			27 U	25 U		
Phenol		108-95-2	1						4.5 U	**1.2 J**			4.3 U	4 U		
1,2,4-Trichlorobenzene		120-82-1	5						4.5 U	4 U			4.3 U	4 U		
2,4,5-Trichlorophenol		95-95-4	NE						11 U	10 U			11 U	10 U		
2,4,6-Trichlorophenol		88-06-2	NE						4.5 U	4 U			4.3 U	4 U		
Total SVOCs (ND=0)		TSVOC_ND0	NE			**2788.1**	**3071.2**	**1059**			**109.6**	**651.6**				
PCB Aroclors	ug/L															
Total PCBs (Lab calculated)		1336-36-3	0.09			ND	ND				ND					
Pesticides	ug/L															
Aldrin		309-00-2	ND			0.031 U	0.03 U				0.031 U					
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04			**0.1**	**0.11**				0.007 U					
4,4-DDD (p,p-DDD)		72-54-8	0.3			**0.11**	**0.12**				0.007 U					
Total Metals	ug/L															
Aluminum		7429-90-5	NE			**5100 J**	**5040 J**		**91.4 J**	250 U	**17900 J**		**70.6 J**	**36.2 J**		
Antimony		7440-36-0	3			3.17 U	3.17 U		15 U	15 U	**42.8 J**		15 U	15 U		
Arsenic		7440-38-2	25			**9 J**	**6.09 J**		15 U	**8.8 J**	**15.2 J**		15 U	15 U		
Barium		7440-39-3	1000			**198 J**	**162 J**		**276**	**271**	**271 J**		**74**	**70.3**		
Beryllium		7440-41-7	3*			**0.85 J**	**0.8 J**		5 U	5 U	**1.66 J**		5 U	5 U		
Cadmium		7440-43-9	5			0.327 U	0.327 U		5 U	5 U	0.327 U		5 U	5 U		
Calcium		7440-70-2	NE			**123000**	**95900**		**159000**	**148000**	**82200**		**131000**	**170000**		
Chromium		7440-47-3	50			**5.91 J**	**5.55 J**		**0.53 J**	5 U	**21.3**		5 U	5 U		
Cobalt		7440-48-4	NE			0.37 U	0.37 U		5 U	5 U	**16.1 J**		5 U	5 U		
Copper		7440-50-8	200			**26.5**	**25.4**		10 U	10 U	**72.1**		**4.9 J**	**2.5 J**		
Iron		7439-89-6	300			**17700**	**15900**		**16000**	**12600**	**48700**		**456**	**147**		
Lead		7439-92-1	25			**15.7**	**12.6**		15 U	15 U	**72.3**		15 UJ	15 U		
Magnesium		7439-95-4	35000*			**38400**	**30300**		**50300**	**48000**	**24400**		**51600**	**89600**		
Manganese		7439-96-5	300			**5470**	**4200**		**5980**	**5990**	**2820**		**1620**	**13.9**		
Mercury		7439-97-6	0.7			**0.09 J**	**0.11 J**		0.4 U	0.2 U	**0.62 J**		0.4 U	0.2 U		
Nickel		7440-02-0	100			1.56 U	1.56 U		5 U	5 U	**14.8 J**		**2.4 J**	**1.2 J**		
Potassium		7440-09-7	NE			**15000 J**	**11200 J**		**15600**	**15700**	**20900 J**		**20600**	**24200**		
Selenium		7782-49-2	10			3.04 U	3.04 U		38 U	38 U	3.04 U		38 U	38 U		
Silver		7440-22-4	50			**3.58 J**	**3.1 J**		5 U	**0.61 J**	**8.34 J**		5 U	5 U		
Sodium		7440-23-5	20000			**52400**	**52400**		**97600**	**111000**	332 U		**118000**	**190000**		
Thallium		7440-28-0	0.5*			3.05 U	3.05 U		15 U	15 U	3.05 U		15 U	15 U		
Vanadium		7440-62-2	NE			0.701 U	0.701 U		**2.3 J**	**1.6 J**	**17.7 J**		**1.2 J**	5 U		
Zinc		7440-66-6	2000*			**62.8 J**	**56.5 J**		25 U	25 U	**136 J**		25 U	25 U		
Cyanides	ug/L															
Total Cyanide		57-12-5	200			**0.071**	**0.067**		**115**	**127**	0.01 U		**19.6**	**5.9 J**		

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Analyte	Units	CAS No.	NYS AWQS	B/MW-104(05) B/MW-104(05) 11/9/2016	B/MW-104(05) DUP-110916 11/9/2016 B/MW-104(05)	B/MW-201(06) B/MW-201(06) 12/31/2006	B/MW-201(06) B/MW-201(06) 11/18/2010	B/MW-201(06) B/MW-201(06) 5/5/2011	B/MW-202(06) B/MW-202(06) 12/31/2006	B/MW-202(06) B/MW-Dup 2006(06) 12/31/2006 B/MW-202(06)	B/MW-202(06) B/MW-202(06) 11/18/2010	B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-202(06) B/MW-202(06) 10/7/2015	B/MW-202(06) B/MW-DUP(15) 10/7/2015 MW-202 (06)
BTEX	ug/L														
Benzene		71-43-2	1	1 U	1 U	0.39 U	5 U	5 U	**1.6 J**	0.39 U	5 U	5 U	1 U	0.5 U	0.5 U
Toluene		108-88-3	5	1 U	1 U	0.36 U	5 U	5 U	0.36 U	0.36 U	5 U	5 U	1 U	2.5 U	2.5 U
Ethylbenzene		100-41-4	5	1 U	1 U	0.45 U	5 U	5 U	0.45 U	0.45 U	5 U	**1 J**	1 U	2.5 U	2.5 U
o-Xylene		95-47-6	5	1 U	1 U	0.46 U			0.46 U	0.46 U				2.5 U	2.5 U
m/p-Xylene		179601-23-1	5	1 U	1 U	1.2 U			1.2 U	1.2 U				2.5 U	2.5 U
Total Xylene		1330-20-7	5	2 U	2 U		5 U	5 U			5 U	5 U	2 U	2.5 U	2.5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**1.6**	ND	ND	**1**	ND	ND	ND
Other VOCs	ug/L														
Acetone		67-64-1	50*				10 U	10 U			10 U	10 U			
Bromodichloromethane		75-27-4	50*				5 U	5 U			5 U	5 U			
Bromoform		75-25-2	50*				5 UJ	5 U			5 UJ	5 U			
Bromomethane		74-83-9	5				5 UJ	5 U			5 UJ	5 U			
Carbon disulfide		75-15-0	60*				5 U	5 U			5 U	5 U			
Carbon tetrachloride		56-23-5	5				5 U	5 U			5 U	5 U			
Chlorobenzene		108-90-7	5				5 U	5 U			5 U	**1.4 J**			
Chloroethane		75-00-3	5				5 U	5 UJ			5 U	5 UJ			
Chloroform (Trichloromethane)		67-66-3	7				5 U	5 U			5 U	5 U			
Chloromethane		74-87-3	5				5 U	5 U			5 U	5 U			
Cyclohexane		110-82-7	NE												
Dibromochloromethane		124-48-1	50*				5 U	5 U			5 U	5 U			
1,1-Dichloroethane		75-34-3	5				5 UJ	5 U			5 UJ	5 U			
1,2-Dichloroethane		107-06-2	0.6				5 U	5 U			5 U	5 U			
1,1-Dichloroethene		75-35-4	5				5 U	5 U			5 U	5 U			
cis-1,2-Dichloroethene		156-59-2	5				5 U	5 U			5 U	5 U			
trans-1,2-Dichloroethene		156-60-5	5				5 U	5 U			5 U	5 U			
1,2-Dichloropropane		78-87-5	1				5 U	5 U			5 U	5 U			
cis-1,3-Dichloropropene		10061-01-5	0.4				5 U	5 U			5 U	5 U			
trans-1,3-Dichloropropene		10061-02-6	0.4				5 U	5 U			5 U	5 U			
2-Hexanone		591-78-6	50*				10 U	10 U			10 U	10 U			
Isopropylbenzene		98-82-8	5												
Methyl ethyl ketone (2-Butanone)		78-93-3	50*				10 U	10 U			10 U	10 U			
4-Methyl-2-pentanone (MIBK)		108-10-1	NE				10 U	10 U			10 U	10 U			
Methylcyclohexane		108-87-2	NE												
Methylene chloride		75-09-2	5				5 U	5 U			5 U	5 U			
Styrene		100-42-5	5				5 U	5 U			5 U	5 U			
1,1,2,2-Tetrachloroethane		79-34-5	5				5 U	5 U			5 U	5 U			
Tetrachloroethene (PCE)		127-18-4	5				5 U	5 U			5 U	5 U			
1,1,1-Trichloroethane (TCA)		71-55-6	5				5 U	5 U			5 U	5 U			
1,1,2-Trichloroethane		79-00-5	1				5 U	5 U			5 U	5 U			
Trichloroethene (TCE)		79-01-6	5				5 U	5 U			5 U	5 U			
Vinyl chloride		75-01-4	2				5 U	5 U			5 U	5 U			
NYSDEC PAH17	ug/L														
Acenaphthene		83-32-9	20*	0.18 U	0.18 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Acenaphthylene		208-96-8	NE	0.18 U	0.18 U	1.3 U	4.3 U	4 U	1.3 U	1.3 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Anthracene		120-12-7	50*	**0.029 J**	0.18 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Benzo(a)anthracene		56-55-3	0.002*	0.18 U	0.18 U	1.1 U	4.3 U	4 U	1.1 U	1.1 U	4.3 U	4 U	1 U	0.2 U	0.2 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.18 U	0.18 U	0.76 U	4.3 U	4 U	0.76 U	0.76 U	4.3 U	4 U	1 U	0.2 U	0.2 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.18 U	0.18 U	1.9 U	4.3 U	4 U	1.9 U	1.9 U	4.3 U	4 U	1 U	0.2 U	0.2 U
Benzo(g,h,i)perylene		191-24-2	NE	0.18 U	0.18 U	1.1 U	4.3 U	4 UJ	1.1 U	1.1 U	4.3 U	4 U	10 U	0.2 U	0.2 U

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
Sample Name				B/MW-104(05)	DUP-110916	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-Dup 2006(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-DUP(15)
Sample Date				11/9/2016	11/9/2016	12/31/2006	11/18/2010	5/5/2011	12/31/2006	12/31/2006	11/18/2010	5/6/2011	8/19/2014	10/7/2015	10/7/2015
Parent Sample					B/MW-104(05)					B/MW-202(06)					MW-202 (06)
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
Benzo(a)pyrene		50-32-8	ND	0.18 U	0.18 U	1.2 U	4.3 U	4 U	1.2 U	1.2 U	4.3 U	4 U	1 U	0.2 U	0.2 U
Chrysene		218-01-9	0.002*	0.18 U	0.18 U	1.7 U	4.3 U	4 U	1.7 U	1.7 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Dibenz(a,h)anthracene		53-70-3	NE	0.18 U	0.18 U	0.87 U	4.3 U	4 U	0.87 U	0.87 U	4.3 U	4 U	1 UJ	0.2 U	0.2 U
Fluoranthene		206-44-0	50*	**0.046 J**	**0.036 J**	1.2 U	4.3 U	4 U	1.2 U	1.2 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Fluorene		86-73-7	50*	0.18 U	0.18 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.18 U	0.18 U	0.84 U	4.3 U	4 U	0.84 U	0.84 U	4.3 U	4 U	1 U	0.2 U	0.2 U
2-Methylnaphthalene		91-57-6	NE	0.18 U	0.18 U		4.3 U	4 U			4.3 U	4 U	10 U	0.2 U	0.2 U
Naphthalene		91-20-3	10*	0.18 U	0.18 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Phenanthrene		85-01-8	50*	**0.064 J**	**0.056 J**	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Pyrene		129-00-0	50*	**0.04 J**	**0.055 J**	1.5 U	4.3 U	4 U	1.5 U	1.5 U	4.3 U	4 U	10 U	0.2 U	0.2 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**0.179**	**0.147**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L														
Benzyl alcohol		100-51-6	NE				4.3 U	4 U			4.3 U	4 U			
Bis(2-chloroethoxy)methane		111-91-1	5				4.3 U	4 U			4.3 U	4 U			
Bis(2-chloroethyl)ether		111-44-4	1				4.3 U	4 U			4.3 U	4 U			
2,2-oxybis(1-Chloropropane)		108-60-1	5				4.3 U	4 U			4.3 U	4 U			
Bis(2-ethylhexyl)phthalate		117-81-7	5				4.3 U	4 U			4.3 U	4 U			
4-Bromophenyl phenyl ether		101-55-3	NE				4.3 U	4 U			4.3 U	4 U			
Butyl benzyl phthalate		85-68-7	50*				4.3 U	4 U			4.3 U	4 U			
Carbazole		86-74-8	NE				4.3 U	4 U			4.3 U	4 U			
4-Chloro-3-methylphenol		59-50-7	NE				5.4 U	5 U			5.3 U	5 U			
4-Chloroaniline		106-47-8	5				4.3 U				4.3 U				
2-Chloronaphthalene		91-58-7	10*				4.3 U	4 U			4.3 U	4 U		0.2 U	0.2 U
2-Chlorophenol		95-57-8	NE				4.3 U	4 U			4.3 U	4 U			
4-Chlorophenyl phenyl ether		7005-72-3	NE				4.3 U	4 U			4.3 U	4 U			
Dibenzofuran		132-64-9	NE				4.3 U	4 U			4.3 U	4 U			
1,2-Dichlorobenzene		95-50-1	3				4.3 U	4 U			4.3 U	4 U			
1,3-Dichlorobenzene		541-73-1	3				4.3 U	4 U			4.3 U	4 U			
1,4-Dichlorobenzene		106-46-7	3				4.3 U	4 U			4.3 U	4 U			
3,3-Dichlorobenzidine		91-94-1	5				4.3 U	4 U			4.3 U	4 U			
2,4-Dichlorophenol		120-83-2	5				4.3 U	4 U			4.3 U	4 U			
Diethyl phthalate		84-66-2	50*				4.3 U	4 U			4.3 U	4 U			
Dimethyl phthalate		131-11-3	50*				4.3 U	4 U			4.3 U	4 U			
2,4-Dimethylphenol		105-67-9	50*				4.3 U	4 U			4.3 U	4 U			
Di-n-butyl phthalate		84-74-2	50				4.3 U	4 U			4.3 U	4 U			
4,6-Dinitro-2-methylphenol		534-52-1	NE				27 U	25 U			27 U	25 U			
2,4-Dinitrophenol		51-28-5	10*				27 U	25 U			27 U	25 U			
2,4-Dinitrotoluene		121-14-2	5				4.3 U	4 U			4.3 U	4 U			
2,6-Dinitrotoluene		606-20-2	5				4.3 U	4 U			4.3 U	4 U			
Di-n-octyl phthalate		117-84-0	50*				4.3 U	4 U			4.3 U	4 U			
Hexachlorobenzene		118-74-1	0.04				4.3 U	4 U			4.3 U	4 U			
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5				4.3 U	4 UJ			4.3 U	4 U			
Hexachlorocyclopentadiene		77-47-4	5				4.3 U	4 U			4.3 U	4 U			
Hexachloroethane		67-72-1	5				4.3 U	4 U			4.3 U	4 U			
Isophorone		78-59-1	50*				4.3 U	4 U			4.3 U	4 U			
2-Methylphenol (o-Cresol)		95-48-7	1				4.3 U	4 U			4.3 U	4 U			
4-Methylphenol (p-Cresol)		106-44-5	1				4.3 U	4 U			4.3 U	4 U			
2-Nitroaniline		88-74-4	5				4.3 U	4 U			4.3 U	4 U			
3-Nitroaniline		99-09-2	5				4.3 U	4 U			4.3 U	4 U			
4-Nitroaniline		100-01-6	5				4.3 U	4 U			4.3 U	4 U			

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
Sample Name				B/MW-104(05)	DUP-110916	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-Dup 2006(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-DUP(15)
Sample Date				11/9/2016	11/9/2016	12/31/2006	11/18/2010	5/5/2011	12/31/2006	12/31/2006	11/18/2010	5/6/2011	8/19/2014	10/7/2015	10/7/2015
Parent Sample					B/MW-104(05)					B/MW-202(06)					MW-202 (06)
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
Nitrobenzene		98-95-3	0.4				4.3 U	4 U			4.3 U	4 U			
2-Nitrophenol		88-75-5	NE				4.3 U	4 U			4.3 U	4 U			
4-Nitrophenol		100-02-7	NE				11 U	10 U			11 U	10 U			
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*				4.3 U	4 U			4.3 UJ	4 U			
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE				4.3 U	4 U			4.3 U	4 U			
Pentachlorophenol		87-86-5	1				27 U	25 U			27 U	25 U			
Phenol		108-95-2	1				4.3 U	4 U			4.3 U	4 U			
1,2,4-Trichlorobenzene		120-82-1	5				4.3 U	4 U			4.3 U	4 U			
2,4,5-Trichlorophenol		95-95-4	NE				11 U	10 U			11 U	10 U			
2,4,6-Trichlorophenol		88-06-2	NE				4.3 U	4 U			4.3 U	4 U			
Total SVOCs (ND=0)		TSVOC_ND0	NE			ND			ND	ND					
PCB Aroclors	ug/L														
Total PCBs (Lab calculated)		1336-36-3	0.09												
Pesticides	ug/L														
Aldrin		309-00-2	ND												
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04												
4,4-DDD (p,p-DDD)		72-54-8	0.3												
Total Metals	ug/L														
Aluminum		7429-90-5	NE				250 U	**22.8 J**			**18.6 J**	250 U			
Antimony		7440-36-0	3				15 U	15 U			15 U	15 U			
Arsenic		7440-38-2	25				15 U	15 U			15 U	15 U			
Barium		7440-39-3	1000				**105**	**179**			**90**	**86.9**			
Beryllium		7440-41-7	3*				5 U	5 U			5 U	5 U			
Cadmium		7440-43-9	5				5 U	5 U			5 U	5 U			
Calcium		7440-70-2	NE				**92000**	**226000**			**138000**	**166000**			
Chromium		7440-47-3	50				5 U	5 U			5 U	5 U			
Cobalt		7440-48-4	NE				5 U	5 U			5 U	5 U			
Copper		7440-50-8	200				**2.3 J**	**2.3 J**			**3.5 J**	**2.3 J**			
Iron		7439-89-6	300				**20.6 J**	**34.6 J**			**435**	**97.7 J**			
Lead		7439-92-1	25				15 UJ	15 U			15 UJ	15 U			
Magnesium		7439-95-4	35000*				**23100**	**53500**			**31900**	**42300**			
Manganese		7439-96-5	300				**131**	**16.2**			**1380**	**1360**			
Mercury		7439-97-6	0.7				0.4 U	0.2 U			0.4 U	0.2 U			
Nickel		7440-02-0	100				5 U	5 U			**4.4 J**	**2 J**			
Potassium		7440-09-7	NE				**6740**	**8920**			**24800**	**24000**			
Selenium		7782-49-2	10				38 U	38 U			38 U	38 U			
Silver		7440-22-4	50				5 U	5 U			5 U	5 U			
Sodium		7440-23-5	20000				**246000**	**477000**			**276000**	**233000**			
Thallium		7440-28-0	0.5*				15 U	15 U			15 U	15 U			
Vanadium		7440-62-2	NE				5 U	5 U			**1.6 J**	**1.3 J**			
Zinc		7440-66-6	2000*				25 U	25 U			25 U	25 U			
Cyanides	ug/L														
Total Cyanide		57-12-5	200				10 U	10 U			**4.1 J**	**6.5 J**			

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Date				11/9/2016	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011
Parent Sample																
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
BTEX	ug/L															
Benzene		71-43-2	1	1 U	0.39 U	5 U	5 U	1 U	0.5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene		108-88-3	5	1 U	0.36 U	5 U	5 U	1 U	2.5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		100-41-4	5	1 U	0.45 U	5 U	5 U	1 U	2.5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene		95-47-6	5	1 U	0.46 U				2.5 U	1 U						
m/p-Xylene		179601-23-1	5	1 U	1.2 U				2.5 U	1 U						
Total Xylene		1330-20-7	5	2 U		5 U	5 U	2 U	2.5 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	ug/L															
Acetone		67-64-1	50*			10 U	10 U				10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		75-27-4	50*			5 U	5 U				5 U	5 U	5 U	5 U	**2.1 J**	**3.3 J**
Bromoform		75-25-2	50*			5 UJ	5 U				5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
Bromomethane		74-83-9	5			5 UJ	5 U				5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
Carbon disulfide		75-15-0	60*			5 U	5 U				**0.97 J**	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride		56-23-5	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene		108-90-7	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane		75-00-3	5			5 U	5 UJ				5 U	5 UJ	5 U	5 UJ	5 U	5 UJ
Chloroform (Trichloromethane)		67-66-3	7			5 U	5 U				5 U	5 U	5 U	5 U	**27**	**36**
Chloromethane		74-87-3	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane		110-82-7	NE													
Dibromochloromethane		124-48-1	50*			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		75-34-3	5			5 UJ	5 U				5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
1,2-Dichloroethane		107-06-2	0.6			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		75-35-4	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene		156-59-2	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene		156-60-5	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		78-87-5	1			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		10061-01-5	0.4			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		10061-02-6	0.4			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone		591-78-6	50*			10 U	10 U				10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene		98-82-8	5													
Methyl ethyl ketone (2-Butanone)		78-93-3	50*			10 U	10 U				10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE			10 U	10 U				10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane		108-87-2	NE													
Methylene chloride		75-09-2	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Styrene		100-42-5	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		79-34-5	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene (PCE)		127-18-4	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane (TCA)		71-55-6	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		79-00-5	1			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene (TCE)		79-01-6	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride		75-01-4	2			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
NYSDEC PAH17	ug/L															
Acenaphthene		83-32-9	20*	0.18 U	1.4 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Acenaphthylene		208-96-8	NE	0.18 U	1.3 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Anthracene		120-12-7	50*	0.18 U	1.4 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Benzo(a)anthracene		56-55-3	0.002*	0.18 U	1.1 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Benzo(b)fluoranthene		205-99-2	0.002*	0.18 U	0.76 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Benzo(k)fluoranthene		207-08-9	0.002*	0.18 U	1.9 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Benzo(g,h,i)perylene		191-24-2	NE	0.18 U	1.1 U	4.2 U	4 UJ	10 U	0.2 U	0.18 U	4.4 U	4 UJ	4.3 U	4 UJ	4.3 U	4 UJ

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Date				11/9/2016	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011
Parent Sample																
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Benzo(a)pyrene		50-32-8	ND	0.18 U	1.2 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Chrysene		218-01-9	0.002*	0.18 U	1.7 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Dibenz(a,h)anthracene		53-70-3	NE	0.18 U	0.88 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Fluoranthene		206-44-0	50*	**0.035 J**	1.2 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Fluorene		86-73-7	50*	0.18 U	1.4 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	**0.33 J**	4.3 U	4 U	4.3 U	4 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	0.18 U	0.84 U	4.2 U	4 U	1 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2-Methylnaphthalene		91-57-6	NE	0.18 U		4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Naphthalene		91-20-3	10*	0.18 U	1.4 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Phenanthrene		85-01-8	50*	**0.12 J**	1.4 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Pyrene		129-00-0	50*	**0.03 J**	1.5 U	4.2 U	4 U	10 U	0.2 U	0.18 U	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**0.185**	ND	ND	ND	ND	ND	ND	ND	**0.33**	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L															
Benzyl alcohol		100-51-6	NE			**0.51 J**	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Bis(2-chloroethoxy)methane		111-91-1	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Bis(2-chloroethyl)ether		111-44-4	1			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2,2-oxybis(1-Chloropropane)		108-60-1	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Bis(2-ethylhexyl)phthalate		117-81-7	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Bromophenyl phenyl ether		101-55-3	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Butyl benzyl phthalate		85-68-7	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Carbazole		86-74-8	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Chloro-3-methylphenol		59-50-7	NE			5.3 U	5 U				5.5 U	5 U	5.3 U	5 U	5.4 U	5 U
4-Chloroaniline		106-47-8	5			4.2 U					4.4 U		4.3 U		4.3 U	
2-Chloronaphthalene		91-58-7	10*			4.2 U	4 U		0.2 U		4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2-Chlorophenol		95-57-8	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Chlorophenyl phenyl ether		7005-72-3	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Dibenzofuran		132-64-9	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
1,2-Dichlorobenzene		95-50-1	3			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
1,3-Dichlorobenzene		541-73-1	3			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
1,4-Dichlorobenzene		106-46-7	3			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
3,3-Dichlorobenzidine		91-94-1	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2,4-Dichlorophenol		120-83-2	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Diethyl phthalate		84-66-2	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Dimethyl phthalate		131-11-3	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2,4-Dimethylphenol		105-67-9	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Di-n-butyl phthalate		84-74-2	50			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4,6-Dinitro-2-methylphenol		534-52-1	NE			26 U	25 U				27 U	25 U	27 U	25 U	27 U	25 U
2,4-Dinitrophenol		51-28-5	10*			26 U	25 U				27 U	25 U	27 U	25 U	27 U	25 U
2,4-Dinitrotoluene		121-14-2	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2,6-Dinitrotoluene		606-20-2	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Di-n-octyl phthalate		117-84-0	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Hexachlorobenzene		118-74-1	0.04			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5			4.2 U	4 UJ				4.4 U	4 UJ	4.3 U	4 UJ	4.3 U	4 UJ
Hexachlorocyclopentadiene		77-47-4	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Hexachloroethane		67-72-1	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Isophorone		78-59-1	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2-Methylphenol (o-Cresol)		95-48-7	1			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Methylphenol (p-Cresol)		106-44-5	1			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2-Nitroaniline		88-74-4	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
3-Nitroaniline		99-09-2	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Nitroaniline		100-01-6	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Name				B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)
Sample Date				11/9/2016	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011
Parent Sample																
Analyte	**Units**	**CAS No.**	**NYS AWQS**													
Nitrobenzene		98-95-3	0.4			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2-Nitrophenol		88-75-5	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
4-Nitrophenol		100-02-7	NE			11 U	10 U				11 U	10 U	11 U	10 U	11 U	10 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Pentachlorophenol		87-86-5	1			26 U	25 U				27 U	25 U	27 U	25 U	27 U	25 U
Phenol		108-95-2	1			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
1,2,4-Trichlorobenzene		120-82-1	5			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
2,4,5-Trichlorophenol		95-95-4	NE			11 U	10 U				11 U	10 U	11 U	10 U	11 U	10 U
2,4,6-Trichlorophenol		88-06-2	NE			4.2 U	4 U				4.4 U	4 U	4.3 U	4 U	4.3 U	4 U
Total SVOCs (ND=0)		TSVOC_ND0	NE		ND											
PCB Aroclors	ug/L															
Total PCBs (Lab calculated)		1336-36-3	0.09													
Pesticides	ug/L															
Aldrin		309-00-2	ND													
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04													
4,4-DDD (p,p-DDD)		72-54-8	0.3													
Total Metals	ug/L															
Aluminum		7429-90-5	NE			**36.9 J**	**269**				**75.1 J**	250 U	250 U	250 U	**14.6 J**	250 U
Antimony		7440-36-0	3			15 U	15 U				15 U	15 U	15 U	15 U	15 U	15 U
Arsenic		7440-38-2	25			15 U	15 U				15 U	15 U	15 U	15 U	15 U	15 U
Barium		7440-39-3	1000			**102**	**197**				**239**	**270**	**46.8**	**69.6**	**13.1**	**13.1**
Beryllium		7440-41-7	3*			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Cadmium		7440-43-9	5			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Calcium		7440-70-2	NE			**67600**	**167000**				**139000**	**164000**	**115000**	**106000**	**29900**	**29700**
Chromium		7440-47-3	50			5 U	5 U				5 U	5 U	5 U	**4.1 J**	5 U	5 U
Cobalt		7440-48-4	NE			5 U	**5 J**				5 U	5 U	5 U	5 U	5 U	5 U
Copper		7440-50-8	200			**4.3 J**	**4 J**				**2.5 J**	**1.8 J**	**1.8 J**	10 U	**2.7 J**	10 U
Iron		7439-89-6	300			**150**	**591**				**366**	**1700**	**62.1 J**	**27.9 J**	**16.7 J**	125 U
Lead		7439-92-1	25			15 U	15 U				15 UJ	15 U	15 UJ	15 U	15 UJ	15 U
Magnesium		7439-95-4	35000*			**10900**	**29400**				**35600**	**45000**	**39200**	**40700**	**4720**	**5670**
Manganese		7439-96-5	300			**1670**	**458**				**4450**	**3270**	**1360**	**140**	**0.49 J**	8 U
Mercury		7439-97-6	0.7			0.4 U	0.2 U				0.4 U	0.2 U	0.4 U	0.2 U	0.4 U	0.2 U
Nickel		7440-02-0	100			**1.8 J**	**2 J**				**1.6 J**	**1.6 J**	**2.1 J**	5 U	5 U	5 U
Potassium		7440-09-7	NE			**13700**	**23600**				**18300**	**17000**	**19900**	**21900**	**1510**	**1710**
Selenium		7782-49-2	10			38 U	38 U				38 U	38 U	38 U	38 U	38 U	38 U
Silver		7440-22-4	50			5 U	5 U				5 U	5 U	5 U	5 U	5 U	5 U
Sodium		7440-23-5	20000			**350000**	**713000**				**379000**	**340000**	**147000**	**105000**	**17000**	**23500**
Thallium		7440-28-0	0.5*			15 U	15 U				15 U	15 U	15 U	15 U	15 U	15 U
Vanadium		7440-62-2	NE			**3 J**	**2.8 J**				**2.8 J**	**1.6 J**	5 U	5 U	5 U	5 U
Zinc		7440-66-6	2000*			25 U	25 U				25 U	25 U	25 U	25 U	25 U	25 U
Cyanides	ug/L															
Total Cyanide		57-12-5	200			**5 J**	**3.9 J**				**3.1 J**	**3.6 J**	**137**	**74**	10 U	10 U

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014	10/7/2015	11/9/2016
Parent Sample					B/MW-324 (10)		B/MW-324(10)				
Analyte	**Units**	**CAS No.**	**NYS AWQS**								
BTEX	ug/L										
Benzene		71-43-2	1	**1900**	**1900**	**700**	**670**	5 U	1 U	0.5 U	1 U
Toluene		108-88-3	5	**77 J**	**80 J**	**130**	**130**	5 U	1 U	2.5 U	1 U
Ethylbenzene		100-41-4	5	**380**	**390**	**480**	**460**	5 U	1 U	2.5 U	1 U
o-Xylene		95-47-6	5							2.5 U	1 U
m/p-Xylene		179601-23-1	5							2.5 U	1 U
Total Xylene		1330-20-7	5	**610**	**620**	**480**	**470**	5 U	2 U	2.5 U	2 U
Total BTEX (ND=0)		TBTEX_ND0	NE	**2967**	**2990**	**1790**	**1730**	ND	ND	ND	ND
Other VOCs	ug/L										
Acetone		67-64-1	50*	500 U	500 U	100 U	100 U	10 U			
Bromodichloromethane		75-27-4	50*	250 U	250 U	50 U	50 U	**1 J**			
Bromoform		75-25-2	50*	250 UJ	250 UJ	50 U	50 U	5 U			
Bromomethane		74-83-9	5	250 UJ	250 UJ	50 U	50 U	5 U			
Carbon disulfide		75-15-0	60*	250 U	250 U	50 U	50 U	5 U			
Carbon tetrachloride		56-23-5	5	250 U	250 U	50 U	50 U	5 U			
Chlorobenzene		108-90-7	5	250 U	250 U	50 U	50 U	5 U			
Chloroethane		75-00-3	5	250 U	250 U	50 UJ	50 UJ	5 UJ			
Chloroform (Trichloromethane)		67-66-3	7	250 U	250 U	50 U	50 U	**20**			
Chloromethane		74-87-3	5	250 U	250 U	50 U	50 U	5 U			
Cyclohexane		110-82-7	NE								
Dibromochloromethane		124-48-1	50*	250 UJ	250 UJ	50 U	50 U	5 U			
1,1-Dichloroethane		75-34-3	5	250 UJ	250 UJ	50 U	50 U	5 U			
1,2-Dichloroethane		107-06-2	0.6	250 U	250 U	50 U	50 U	5 U			
1,1-Dichloroethene		75-35-4	5	250 U	250 U	50 U	50 U	5 U			
cis-1,2-Dichloroethene		156-59-2	5	250 U	250 U	50 U	50 U	5 U			
trans-1,2-Dichloroethene		156-60-5	5	250 U	250 U	50 U	50 U	5 U			
1,2-Dichloropropane		78-87-5	1	250 U	250 U	50 U	50 U	5 U			
cis-1,3-Dichloropropene		10061-01-5	0.4	250 U	250 U	50 U	50 U	5 U			
trans-1,3-Dichloropropene		10061-02-6	0.4	250 U	250 U	50 U	50 U	5 U			
2-Hexanone		591-78-6	50*	500 U	500 U	100 U	100 U	10 U			
Isopropylbenzene		98-82-8	5								
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	500 U	500 U	100 U	100 U	10 U			
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	500 UJ	500 UJ	100 U	100 U	10 U			
Methylcyclohexane		108-87-2	NE								
Methylene chloride		75-09-2	5	250 U	250 U	50 U	50 U	5 U			
Styrene		100-42-5	5	250 U	250 U	50 U	50 U	5 U			
1,1,2,2-Tetrachloroethane		79-34-5	5	250 UJ	250 UJ	50 U	50 U	5 U			
Tetrachloroethene (PCE)		127-18-4	5	250 U	250 U	50 U	50 U	5 U			
1,1,1-Trichloroethane (TCA)		71-55-6	5	250 U	250 U	50 U	50 U	5 U			
1,1,2-Trichloroethane		79-00-5	1	250 U	250 U	50 U	50 U	5 U			
Trichloroethene (TCE)		79-01-6	5	250 U	250 U	50 U	50 U	5 U			
Vinyl chloride		75-01-4	2	250 U	250 U	50 U	50 U	5 U			
NYSDEC PAH17	ug/L										
Acenaphthene		83-32-9	20*	**170 J**	**160 J**	**210 J**	**190 J**	4 U	10 U	0.2 U	0.18 U
Acenaphthylene		208-96-8	NE	**24 J**	**21 J**	**79 J**	**67 J**	4 U	10 U	0.2 U	0.18 U
Anthracene		120-12-7	50*	200 U	220 U	400 U	400 U	4 U	10 U	0.2 U	0.18 U
Benzo(a)anthracene		56-55-3	0.002*	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
Benzo(b)fluoranthene		205-99-2	0.002*	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
Benzo(k)fluoranthene		207-08-9	0.002*	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
Benzo(g,h,i)perylene		191-24-2	NE	200 U	220 U	400 U	400 U	4 U	10 U	0.2 U	0.18 U

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014	10/7/2015	11/9/2016
Parent Sample					B/MW-324 (10)		B/MW-324(10)				
Analyte	**Units**	**CAS No.**	**NYS AWQS**								
Benzo(a)pyrene		50-32-8	ND	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
Chrysene		218-01-9	0.002*	200 U	220 U	400 U	400 U	4 U	10 U	0.2 U	0.18 U
Dibenz(a,h)anthracene		53-70-3	NE	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
Fluoranthene		206-44-0	50*	200 U	220 U	400 U	400 U	4 U	10 U	0.2 U	0.18 U
Fluorene		86-73-7	50*	**78 J**	**73 J**	**100 J**	**92 J**	4 U	10 U	0.2 U	0.18 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	200 U	220 U	400 U	400 U	4 U	1 U	0.2 U	0.18 U
2-Methylnaphthalene		91-57-6	NE	**150 J**	**130 J**	**230 J**	**200 J**	4 U	10 U	0.2 U	0.18 U
Naphthalene		91-20-3	10*	**3800**	**3700**	**5000**	**4700**	4 U	10 U	0.2 U	0.18 U
Phenanthrene		85-01-8	50*	**72 J**	**66 J**	**99 J**	**89 J**	4 U	10 U	0.2 U	0.18 U
Pyrene		129-00-0	50*	200 U	220 U	400 U	400 U	4 U	10 U	0.2 U	0.18 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**4294**	**4150**	**5718**	**5338**	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L										
Benzyl alcohol		100-51-6	NE	200 U	220 U	400 U	400 U	4 U			
Bis(2-chloroethoxy)methane		111-91-1	5	200 U	220 U	400 U	400 U	4 U			
Bis(2-chloroethyl)ether		111-44-4	1	200 U	220 U	400 U	400 U	4 U			
2,2-oxybis(1-Chloropropane)		108-60-1	5	200 U	220 U	400 U	400 U	4 U			
Bis(2-ethylhexyl)phthalate		117-81-7	5	200 U	220 U	400 U	400 U	4 U			
4-Bromophenyl phenyl ether		101-55-3	NE	200 U	220 U	400 U	400 U	4 U			
Butyl benzyl phthalate		85-68-7	50*	200 U	220 U	400 U	400 U	4 U			
Carbazole		86-74-8	NE	**160 J**	**150 J**	**220 J**	**190 J**	4 U			
4-Chloro-3-methylphenol		59-50-7	NE	250 U	270 U	500 U	500 U	5 U			
4-Chloroaniline		106-47-8	5	200 U	220 U						
2-Chloronaphthalene		91-58-7	10*	200 U	220 U	400 U	400 U	4 U		0.2 U	
2-Chlorophenol		95-57-8	NE	200 U	220 U	400 U	400 U	4 U			
4-Chlorophenyl phenyl ether		7005-72-3	NE	200 U	220 U	400 U	400 U	4 U			
Dibenzofuran		132-64-9	NE	**91 J**	**80 J**	**110 J**	**98 J**	4 U			
1,2-Dichlorobenzene		95-50-1	3	200 U	220 U	400 U	400 U	4 U			
1,3-Dichlorobenzene		541-73-1	3	200 U	220 U	400 U	400 U	4 U			
1,4-Dichlorobenzene		106-46-7	3	200 U	220 U	400 U	400 U	4 U			
3,3-Dichlorobenzidine		91-94-1	5	200 U	220 U	400 U	400 U	4 U			
2,4-Dichlorophenol		120-83-2	5	200 U	220 U	400 U	400 U	4 U			
Diethyl phthalate		84-66-2	50*	200 U	220 U	400 U	400 U	4 U			
Dimethyl phthalate		131-11-3	50*	200 U	220 U	400 U	400 U	4 U			
2,4-Dimethylphenol		105-67-9	50*	**29 J**	**25 J**	**34 J**	**42 J**	4 U			
Di-n-butyl phthalate		84-74-2	50	200 U	220 U	400 U	400 U	4 U			
4,6-Dinitro-2-methylphenol		534-52-1	NE	1200 U	1400 U	2500 U	2500 U	25 U			
2,4-Dinitrophenol		51-28-5	10*	1200 U	1400 U	2500 U	2500 U	25 U			
2,4-Dinitrotoluene		121-14-2	5	200 U	220 U	400 U	400 U	4 U			
2,6-Dinitrotoluene		606-20-2	5	200 U	220 U	400 U	400 U	4 U			
Di-n-octyl phthalate		117-84-0	50*	200 U	220 U	400 U	400 U	4 U			
Hexachlorobenzene		118-74-1	0.04	200 U	220 U	400 U	400 U	4 U			
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5	200 U	220 U	400 U	400 U	4 U			
Hexachlorocyclopentadiene		77-47-4	5	200 U	220 U	400 U	400 U	4 U			
Hexachloroethane		67-72-1	5	200 U	220 U	400 U	400 U	4 U			
Isophorone		78-59-1	50*	200 U	220 U	400 U	400 U	4 U			
2-Methylphenol (o-Cresol)		95-48-7	1	200 U	220 U	400 U	400 U	4 U			
4-Methylphenol (p-Cresol)		106-44-5	1	200 U	220 U	400 U	400 U	4 U			
2-Nitroaniline		88-74-4	5	200 U	220 U	400 U	400 U	4 U			
3-Nitroaniline		99-09-2	5	200 U	220 U	400 U	400 U	4 U			
4-Nitroaniline		100-01-6	5	200 U	220 U	400 U	400 U	4 U			

Table 4. Troy - Liberty Street
2016 Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014	10/7/2015	11/9/2016
Parent Sample					B/MW-324 (10)		B/MW-324(10)				
Analyte	**Units**	**CAS No.**	**NYS AWQS**								
Nitrobenzene		98-95-3	0.4	200 U	220 U	400 U	400 U	4 U			
2-Nitrophenol		88-75-5	NE	200 U	220 U	400 U	400 U	4 U			
4-Nitrophenol		100-02-7	NE	500 U	540 U	1000 U	1000 U	10 U			
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	200 U	220 U	400 U	400 U	4 U			
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	200 U	220 U	400 U	400 U	4 U			
Pentachlorophenol		87-86-5	1	1200 U	1400 U	2500 U	2500 U	25 U			
Phenol		108-95-2	1	**14 J**	**17 J**	400 U	400 U	4 U			
1,2,4-Trichlorobenzene		120-82-1	5	200 U	220 U	400 U	400 U	4 U			
2,4,5-Trichlorophenol		95-95-4	NE	500 U	540 U	1000 U	1000 U	10 U			
2,4,6-Trichlorophenol		88-06-2	NE	200 U	220 U	400 U	400 U	4 U			
Total SVOCs (ND=0)		TSVOC_ND0	NE								
PCB Aroclors	ug/L										
Total PCBs (Lab calculated)		1336-36-3	0.09								
Pesticides	ug/L										
Aldrin		309-00-2	ND								
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04								
4,4-DDD (p,p-DDD)		72-54-8	0.3								
Total Metals	ug/L										
Aluminum		7429-90-5	NE	**22.1 J**	250 U	**12.4 J**	**12 J**	250 U			
Antimony		7440-36-0	3	15 U	15 U	15 U	15 U	15 U			
Arsenic		7440-38-2	25	**10.3 J**	**10.7 J**	**14.6 J**	**13.2 J**	15 U			
Barium		7440-39-3	1000	**743**	**757**	**493**	**445**	**79.9**			
Beryllium		7440-41-7	3*	5 U	5 U	5 U	5 U	5 U			
Cadmium		7440-43-9	5	5 U	5 U	5 U	5 U	5 U			
Calcium		7440-70-2	NE	**220000**	**219000**	**293000**	**287000**	**43500**			
Chromium		7440-47-3	50	**0.69 J**	**1.2 J**	5 U	5 U	5 U			
Cobalt		7440-48-4	NE	5 U	5 U	5 U	5 U	5 U			
Copper		7440-50-8	200	10 U	10 U	**2.6 J**	10 U	10 U			
Iron		7439-89-6	300	**24200**	**24500**	**23600**	**22400**	**16.6 J**			
Lead		7439-92-1	25	15 U	15 U	15 U	15 U	15 U			
Magnesium		7439-95-4	35000*	**86900**	**87000**	**106000**	**105000**	**10300**			
Manganese		7439-96-5	300	**7450**	**7520**	**2760**	**2500**	**92.1**			
Mercury		7439-97-6	0.7	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U			
Nickel		7440-02-0	100	**1.3 J**	5 U	5 U	5 U	**1.7 J**			
Potassium		7440-09-7	NE	**21500**	**21700**	**12600**	**11100**	**4380**			
Selenium		7782-49-2	10	38 UJ	38 UJ	38 U	38 U	38 U			
Silver		7440-22-4	50	5 U	5 U	5 U	5 U	5 U			
Sodium		7440-23-5	20000	**292000**	**297000**	**470000**	**461000**	**45600**			
Thallium		7440-28-0	0.5*	15 UJ	15 UJ	15 U	15 U	15 U			
Vanadium		7440-62-2	NE	**2.5 J**	**2.6 J**	**1.3 J**	5 U	5 U			
Zinc		7440-66-6	2000*	25 U	25 U	25 U	25 U	25 U			
Cyanides	ug/L										
Total Cyanide		57-12-5	200	**67.3**	**50.7**	**44.4**	**42.3**	10 U			

Table 4. Troy Liberty Street
Groundwater Analytical Results
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Notes:

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX, Total PAHs, Total SVOCs, and Total PCBs are calculated using detects only.

Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene

Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

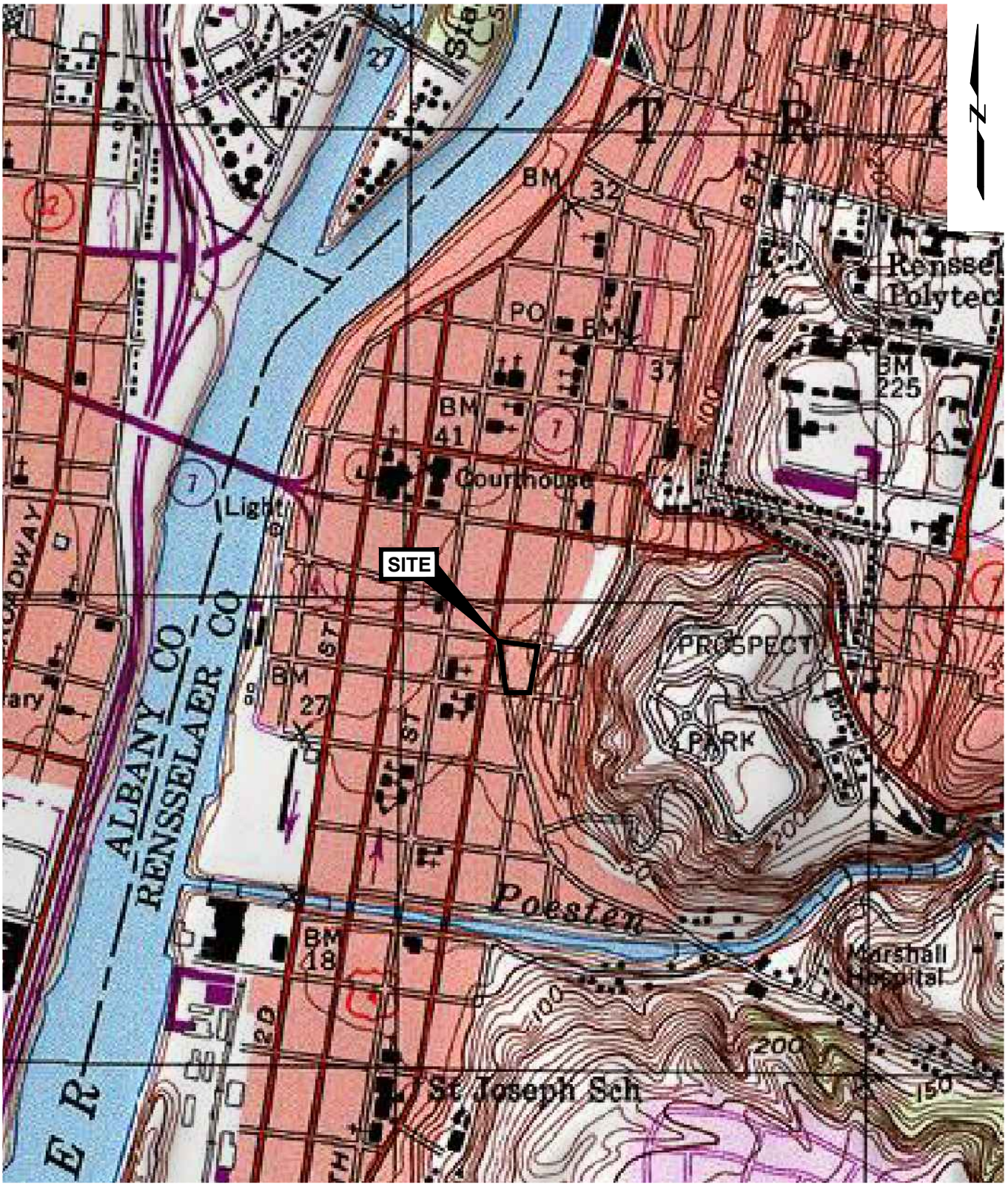
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NE = Not Established
NYSDEC = New York State Department of Environmental Conservation

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
D = The result is for a diluted sample.
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Figures



SOURCE: Map created with TOPO! ® © 2001 National Geographic (www.nationalgeographic.com/topo)

SCALE: 1" = 2000'

Post-Remediation Groundwater Monitoring
Troy (Liberty Street) Non-Owned Former MGP Site
City of Troy, Rensselaer County, New York

nationalgrid

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SITE LOCATION PLAN

Project 093300

January 2017

Fig. 1

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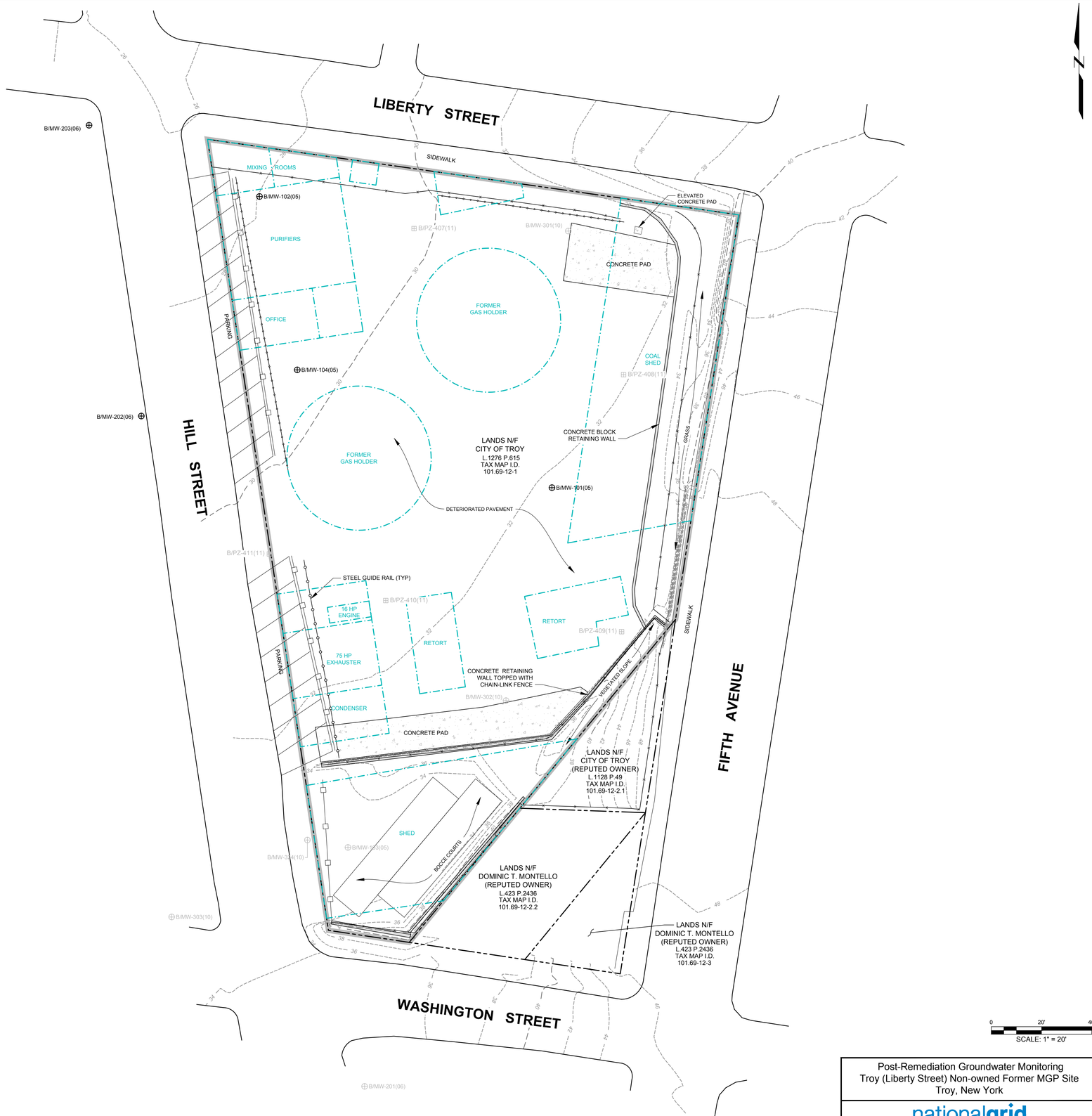

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 38 — GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- CONCRETE PAD
- ⊕B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- ⊕B/MW-201(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- ⊕B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET,* CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

Post-Remediation Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

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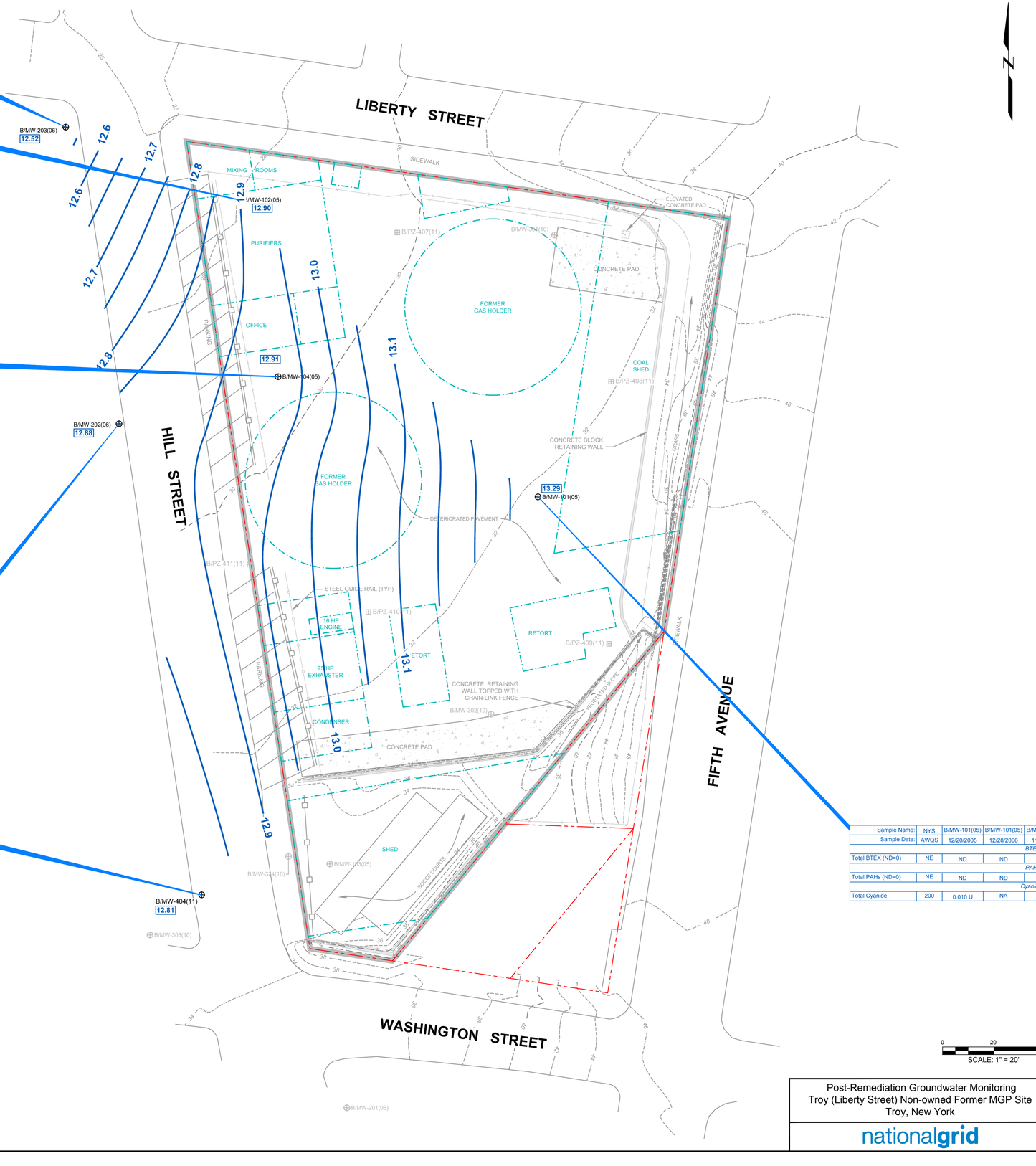
HISTORIC STRUCTURES, CURRENT SITE CONDITIONS, AND MONITORING WELLS

Project 093300 | January 2017 | Fig. 2



Sample Name:	NYS	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)
Sample Date:	AWQS	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016
BTEX (ug/L)							
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND
PAHs							
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND	ND
Cyanides							
Total Cyanide	200	NA	**5 J**	**3.9 J**	NA	NA	NA

Sample Name:	NYS	B/MW-102(05)	B/MW-102(05)	B/MW-102 (05)	B/MW-102(05)	B/MW-102(05)	Duplicate of B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014	10/7/2015	11/9/2016
BTEX (ug/L)									
Total BTEX (ND=0)	NE	**0.72**	ND	ND	ND	**0.086**	ND	ND	ND
PAHs (ug/L)									
Acenaphthene	20*	**42**	**15 JD**	4.4 U	4 U	10 U	11 U	0.2 U	.18 UJ
Anthracene	50*	ND	ND	ND	ND	ND	ND	ND	**0.03 J**
Benzo(a)anthracene	0.002*	**2.7 J**	**39 JD**	4.4 U	4 U	**1.8**	**1.7**	0.2 U	**0.056 J**
Benzo(b)fluoranthene	0.002*	**3.0 J**	**40 JD**	4.4 U	4 U	**1.9**	**2.1**	0.2 U	**0.075 J**
Benzo(k)fluoranthene	0.002*	NA	**25 JD**	4.4 U	4 U	**0.82 J**	**0.81 J**	0.2 U	**0.063 J**
Benzo(a)pyrene	ND	**2.9 J**	**46 JD**	4.4 U	4 U	**1.8 J**	**1.9 J**	0.2 U	**0.046 J**
Benzo(g,h,i)perylene	NE	ND	ND	ND	ND	ND	ND	ND	**0.066 J**
Chrysene	0.002*	**3 J**	**36 JD**	4.4 U	4 U	**2.2 J**	**1.6 J**	0.2 U	**0.045 J**
Dibenz(a,h) anthracene	NE	ND	ND	ND	ND	ND	ND	ND	**0.033 J**
Fluoranthene	50*	**12**	**76 D**	4.4 U	4 U	**3.4 J**	**3.4 J**	0.2 U	**0.086 J**
Indeno(1,2,3-cd)pyrene	0.002*	**2.7 J**	**33 JD**	4.4 U	4 U	**0.89 J**	**0.55 J**	0.2 U	**0.055 J**
Phenanthrene	50*	ND	ND	ND	ND	ND	ND	ND	**0.046 J**
Pyrene	50*	**10 J**	**190 D**	4.4 U	4 U	**3.9 J**	**4 J**	0.2 U	**0.078 J**
Total PAHs (ND=0)	NE	162.4	**609.4**	ND	ND	18.01	17.16	ND	0.679
Cyanides (ug/L)									
Total Cyanide	200	**0.965**	NA	**189**	**166**	NA	NA	NA	NA

Sample Name:	NYS	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	Duplicate of B/MW-104(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016	11/9/2016
BTEX (ug/L)									
Benzene	1	**2.7 J**	**1.9 J**	5 U	5 U	1 U	0.5 U	1.0 U	1.0 U
m/p-Xylene	5	**6.2 J**	1.2 U	NA	NA	NA	2.5 U	1.0 U	1.0 U
Total BTEX (ND=0)	NE	13.4	**1.9**	ND	ND	ND	ND	ND	ND
PAHs (ug/L)									
Acenaphthene	20*	**14**	**22 JD**	4.3 U	4 U	10 U	0.2 U	0.18 U	0.18 U
Anthracene		ND	ND	ND	ND	ND	ND	**0.029 J**	0.18 U
Benzo(a)anthracene	0.002*	**2.2 J**	**56 D**	4.3 U	4 U	1 U	0.2 U	0.18 U	0.18 U
Benzo(b)fluoranthene	0.002*	**1.6 J**	**47 JD**	4.3 U	4 U	1 U	0.2 U	0.18 U	0.18 U
Benzo(k)fluoranthene	0.002*	NA	**31 JD**	4.3 U	4 U	1 U	0.2 U	0.18 U	0.18 U
Benzo(a)pyrene	ND	**1.6 J**	**10 JD**	4.3 U	4 U	1 U	0.2 U	0.18 U	0.18 U
Chrysene	0.002*	**2 J**	**50 JD**	4.3 U	4 U	10 U	0.2 U	0.18 U	0.18 U
Fluoranthene	50*	**9.3 J**	**73 D**	4.3 U	4 U	10 U	0.2 U	**0.046 J**	**0.036 J**
Indeno(1,2,3-cd)pyrene	0.002*	**1 J**	**28 JD**	4.3 U	4 U	1 U	0.2 U	0.18 U	0.18 U
Phenanthrene	50*	**24**	**89 D**	4.3 U	4 U	10 U	0.2 U	**0.064 J**	**0.056 J**
Pyrene	50*	**6.2 J**	**160 D**	4.3 U	4 U	10 U	0.2 U	**0.040 J**	**0.055 J**
Total PAHs (ND=0)	NE	89.7	651.6	ND	ND	ND	ND	0.179	0.147
Cyanides (ug/L)									
Total Cyanide	200	0.01 U	NA	**19.6**	**5.9 J**	NA	NA	NA	NA

Sample Name:	NYS	B/MW-202(06)	Duplicate of B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	Duplicate of B/MW-202(06)	B/MW-202(06)
Sample Date:	AWQS	12/28/2006	12/28/2006	11/18/2010	5/6/2011	8/19/2014	10/7/2015	10/7/2015	11/9/2016
BTEX (ug/L)									
Benzene	1	**1.6 J**	0.39 U	5 U	5 U	1 U	0.5 U	0.5 U	1.0 U
Total BTEX (ND=0)	NE	**1.6**	ND	ND	**1.0000**	ND	ND	ND	ND
PAHs (ug/L)									
Fluoranthene	50*	ND	ND	ND	ND	ND	ND	ND	**0.035 J**
Phenanthrene	50*	ND	ND	ND	ND	ND	ND	ND	**0.12 J**
Pyrene	50*	ND	ND	ND	ND	ND	ND	ND	**0.03 J**
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND	**0.1850**
Cyanides (ug/L)									
Total Cyanide	200	NA	NA	**4.1 J**	**6.5 J**	NA	NA	NA	NA

Sample Name:	NYS	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Date:	AWQS	5/6/2011	8/19/2014	10/7/2015	11/9/2016
BTEX (ug/L)					
Total BTEX (ND=0)	NE	ND	ND	ND	ND
Other VOCs (ug/L)					
Chloroform	7	**20**	NA	NA	NA
PAHs (ug/L)					
Total PAHs (ND=0)	NE	ND	ND	ND	ND
Cyanides					
Total Cyanide	200	10 U	NA	NA	NA

Sample Name:	NYS	B/MW-101(05)	B/MW-101(05)	B/MW-101 (05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	11/9/2016
BTEX (ug/L)								
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND
PAHs (ug/L)								
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND
Cyanides (ug/L)								
Total Cyanide	200	0.010 U	NA	10 U	10 U	NA	NA	NA

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 38 — GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- FORMER GAS HOLDER
- CONCRETE PAD
- ⊕B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- ⊕B/MW-203(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- ⊕B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)
- 14.0 — GROUNDWATER CONTOUR (FEET MSL) (2014)
- 14.0 — GROUNDWATER ELEVATION (FEET MSL) (2014)

ANALYTICAL BOX NOTES

NYS AWQS - New York State Ambient Water Quality Standards

100 — COMPOUNDS THAT EXCEED NEW YORK STATE AMBIENT WATER QUALITY STANDARDS (NYS AWQS) AND GUIDANCE VALUES FOR GA GROUNDWATER

NA	NOT AVAILABLE, NOT APPLICABLE, OR NOT ANALYZED
ND	NOT DETECTED
NE	NOT ESTABLISHED
D	RESULTS FOR DILUTION
J	ESTIMATED VALUE
U	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
µg/L	MICROGRAMS PER LITER
*	VALUE IS A GUIDANCE, NOT A STANDARD

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.
3. THE CALL-OUT BOXES FOR EACH SAMPLE LOCATION PRESENT THE ANALYTICAL RESULTS FOR SPECIFIC COMPOUNDS WITH CONCENTRATIONS THAT EXCEED THE APPLICABLE STANDARD. IF INDIVIDUAL COMPOUND CONCENTRATIONS DO NOT EXCEED THE STANDARD, THEN THE SUMMARY RESULTS OF THE GROUP ARE LISTED (IE. TOTAL BTEX AND TOTAL PAHS). RESULT VALUES FOR NON-DETECTS ARE ASSIGNED ND.
4. MONITORING WELLS SHOWN IN GRAYSCALE WERE DECOMMISSIONED IN 2012.

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET*, CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

0 20' 40'
SCALE: 1" = 20'

Post-Remediation Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

nationalgrid

GEI Consultants

NOVEMBER 2016
OVERBURDEN GROUNDWATER CONTOURS (FT), AND GROUNDWATER ANALYTICAL DATA SUMMARY (µg/L)

Project 093300 | January 2017 | Fig. 3

\\gtb1v-fs01\ I:\Project\National Grid\TROY\LIBERTY_ST\Post Rt\Drawings\Figures\093300_FIGURES.dwg - 12/22/2016

Attachment A
Well Sampling Sheets

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 11/9/2016
Location: Troy, NY
Measurement Datum: 31.99
Well Number: B/MW-101 (05)

Pre-Development Information

Time (start): 0920
Water Level: 18.70
Total Depth of Well: 27.0
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material?

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	14.20	7.46	1929	1.05	196.9	27.44
5	0.50	14.65	7.15	1919	1.29	204.8	27.18
10	0.75	14.73	7.17	1916	1.23	207.6	26.17
15	1.00	14.88	7.16	1917	1.28	207.9	15.59
20	1.25	14.87	7.16	1917	1.27	207.4	4.26
25	1.50	15.11	7.15	1912	1.42	206.8	4.21
30	1.75	15.13	7.15	1910	1.50	206.1	4.20
35	2.00	15.12	7.15	1908	1.48	206.3	4.19
40	2.25	15.12	7.15	1907	1.49	206.1	4.18
45							

Total Volume Removed (gal): 2.25
pH: 7.15
Temperature (°C): 15.12
Specific Conductance (µS/cm): 1907
DO Concentration (mg/L): 1.49
ORP (mV): 206.1
Sample Depth: 23.00
TDS: N/A

Post Development Information

Time (Finished): 1030
Water Level: 18.70
Total Depth of Well: 27.00

Approximate Volume Removed (gal): 3.00

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material: No

Q = 240 mL/min

Comments/Notes: Sampled for BTEX and PAH's.

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 11/9/2015
Location: Troy, NY
Measurement Datum: 29.14
Well Number: B/MW-104 (05)

Pre-Development Information

Time (start): 1040
Water Level: 16.23
Total Depth of Well: 22.00
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material?

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	16.52	6.98	1202	0.50	212.2	56.49
5	0.50	16.62	6.91	1199	0.42	211.9	37.41
10	0.75	16.84	6.85	1194	0.37	211.6	30.45
15	1.00	16.86	6.86	1203	0.40	208.4	20.19
20	1.25	16.91	6.86	1209	0.31	205.3	15.46
25	1.50	16.89	6.86	1210	0.31	205.2	8.29
30	1.75	16.87	6.86	1209	0.29	202.5	5.31
35	2.00	16.88	6.86	1209	0.29	203.1	4.87
40							
45							

Total Volume Removed (gal): 2.00
pH: 6.86
Temperature (°C): 16.88
Specific Conductance (µS/cm): 1209
DO Concentration (mg/L): 0.29
ORP (mV): 203.1
Sample Depth: 17.00
TDS: N/A

Post Development Information

Time (Finished): 1140
Water Level: 16.23
Total Depth of Well: 22.00

Approximate Volume Removed (gal): 2.50

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX and PAH's. DUP-110916 taken at this location.

Attachment B

Data Summary Reports and Validated Form 1s

Site: Troy Liberty, Troy, NY
Laboratory: Alpha Analytical, Westboro, MA
Report Nos.: L1525417
Reviewer: Lorie MacKinnon/GEI Consultants
Date: November 2, 2015

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-101 (05)	L1525417-01	BTEX, PAH
MW-104 (05)	L1525417-02	BTEX, PAH
MW-102 (05)	L1525417-03	BTEX, PAH
MW-203 (06)	L1525417-04	BTEX, PAH
MW-202 (06)	L1525417-05	BTEX, PAH
MW-404 (11)	L1525417-06	BTEX, PAH
MW-DUP (15)	L1525417-07	BTEX, PAH
FB-100715	L1525417-08	BTEX, PAH
Trip Blank	L1525417-09	BTEX

Associated QC Samples(s):	Field/Trip Blanks:	FB-100715, Trip Blank
	Field Duplicate pair:	MW-202 (06)/MW-DUP (15)

The above-listed aqueous samples, field blank, and trip blank sample were collected on October 7, 2015 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270D. The data validation was performed based on the following USEPA Region 2 Documents: Standard Operating Procedure (SOP) HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) and SOP HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013), modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results

- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

In general, the data appear usable as reported. No qualifications were required.

The validation findings were based on the following information.

Data Completeness

The data package was found to be complete as received by the laboratory.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing criteria were met.

Blanks

Contamination was not detected in the associated method blank samples, trip blank, and field blank sample.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW-203(06) for VOCs and SVOCs. All criteria were met.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-202 (06) and MW-DUP (15) were submitted as the field duplicate pair with this sample group. All results were nondetect in these samples.

Quantitation Limits and Data Assessment

All criteria were met.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-01
Client ID: MW-101 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/12/15 23:36
Analyst: MS

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-02
Client ID: MW-104 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 00:09
Analyst: MS

Date Collected: 10/07/15 12:30
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-03
Client ID: MW-102 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 00:41
Analyst: MS

Date Collected: 10/07/15 13:55
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-04
Client ID: MW-203 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 01:14
Analyst: MS

Date Collected: 10/07/15 15:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-05
Client ID: MW-202 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 11:29
Analyst: PD

Date Collected: 10/07/15 17:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-06
Client ID: MW-404 (11)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 12:02
Analyst: PD

Date Collected: 10/07/15 18:50
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-07
Client ID: MW-DUP (15)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 12:35
Analyst: PD

Date Collected: 10/07/15 10:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-08
Client ID: FB-100715
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 13:08
Analyst: PD

Date Collected: 10/07/15 19:30
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-09
Client ID: TRIP BLANK
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 13:41
Analyst: PD

Date Collected: 10/07/15 00:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-01
Client ID: MW-101 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 18:35
Analyst: KV

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	83		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-02
Client ID: MW-104 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 19:06
Analyst: KV

Date Collected: 10/07/15 12:30
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	63		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-03
Client ID: MW-102 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 19:37
Analyst: KV

Date Collected: 10/07/15 13:55
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	68		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-04
Client ID: MW-203 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 18:03
Analyst: KV

Date Collected: 10/07/15 15:15
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	74		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-05
Client ID: MW-202 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 20:08
Analyst: KV

Date Collected: 10/07/15 17:10
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	75		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-06
Client ID: MW-404 (11)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 20:39
Analyst: KV

Date Collected: 10/07/15 18:50
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	78		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-07
Client ID: MW-DUP (15)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 21:40
Analyst: KV

Date Collected: 10/07/15 10:00
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	71		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-08
Client ID: FB-100715
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 22:11
Analyst: KV

Date Collected: 10/07/15 19:30
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	74		41-149

coc edited 10/8/15-KER

Serial_No:10141509:44

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/8/15

ALPHA Job #: L1525417

ALPHA

8 Walkup Drive, Westborough, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: GEI Consultants, Inc
Address: 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
Phone: 860 368 5300
Email: jzak@geiconsultants.com

Project Information

Project Name: Troy Liberty St SMP
Project Location: Troy, NY
Project #: 093300-2-1209
Project Manager: Jerry Zak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5-DAY TAT

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL datagroup@gei

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☒ Other State /Fed Program NYDEC Criteria

Additional Project Information:

GEI CAT B Deliverable "EDD"
2 Coolers

*BTEX only

ANALYSIS: VOC: ☒ 8260* ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☒ PAH 8270C; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO — Filtration: ☐ Field ☐ Lab to do; Preservation: ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	Sample Comments	TOTAL # BOTTLES
25417-01	MW-101 (05)	10/7/15	1110	AQ	CTG	X	X		
02	MW-104 (05)		1230			X	X		
03	MW-102 (05)		1355			X	X		
04	MW-203 (06)		1515			X	X		
04	MW-203 (05) MS		1515			X	X		
04	MW-203 (05) MSD		1515			X	X		
05	MW-202 (06)		1710			X	X		
06	MW-404 (11)		1850			X	X		
07	MW-DUP (15)		1000			X	X		
08	FB-100715		1930			X	X		
	TRIP Blank → VOC's only	—	—						

	VOC	SVOC
Container Type	V	A
Preservative	HCl	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
CTG (Chris Gordon)	10/7/15 2031	Robert [signature] AAL	10-7-15 2031
[signature]	10/7/15 2235	[signature]	10-7-15 2235
[signature]	10/8/15 0135	[signature]	10/8/15 0135

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Serial_No:10141509:44

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/8/15

ALPHA Job #: L1525417

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: GEI Consultants, Inc
Address: 455 Winding Brook Drive, Suite 201 Glastonbury, CT 06033
Phone: 860 368 5300
Email: jzak@geiconsultants.com

Project Information

Project Name: Troy Liberty St SMP
Project Location: Troy, NY
Project #: 093300-2-1209
Project Manager: Jerry Zak
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5-DAY TAT

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL datagroup@gei

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☒ Other State /Fed Program NYDEC Criteria

Additional Project Information:
GEI CAT B Deliverable "EDD"
2 Coolers

ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☒ PAH 8270C; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO — Filtration: ☐ Field ☐ Lab to do; Preservation: ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC 8260	SVOC PAH 8270C	Sample Comments	TOTAL # BOTTLES
25417_01	MW-101 (05)	10/7/15	1110	AQ	CTG	X	X		
02	MW-104 (05)		1230			X	X		
03	MW-102 (05)		1355			X	X		
04	MW-203 (05)		1515			X	X		
04	MW-203 (05) MS		1515			X	X		
04	MW-203 (05) MSD		1515			X	X		
05	MW-202 (06)		1710			X	X		
06	MW-404 (11)		1850			X	X		
07	MW-DUP (15)		1000			X	X		
08	FB-100715		1930			X	X		
	TRIP Blank → VOC's Only	—	—						

Container Type	V	A
Preservative	HCl	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
CTG (Chris Gordon)	10/7/15 2031	[signature] AAL	10-7-15 2031
[signature]	10/7/15 2235	[signature]	10-7-15 2235
[signature]	10/8/15 0135	[signature]	10/8/15 0135

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Attachment 3 – 2014-2015 Interim Review Report

GEI Consultants

Consulting
Engineers and
Scientists

Interim Review Report
Troy – Liberty Street Former MGP Site

Troy, New York
Site #: V00482
VCO Index Number D0-0001-0011

Submitted to:
National Grid
300 Erie Blvd.
Syracuse, NY

Submitted by:
GEI Consultants, Inc.
455 Winding Brook Drive
Glastonbury, CT
(860) 368-5404

December 23, 2015
Project 093300-2-1208

Jerry Zak
Project Manager

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1 Site Location Map
2 Site Layout Map

Appendices

A 2014 and 2015 Groundwater Analytical Results
B Photo Documentation
C Sitewide Inspection Form

JZ/ahH:\TECH\project\National Grid\Troy Liberty Street\Site Mgmt Plan\2015 Inspection\Troy Liberty Interim Review Report.doc

Abbreviations and Acronyms

AWQS	New York State Ambient Water Quality Standards
cgs	current ground surface
Con Edison	Consolidated Edison Company of New York, Inc.
DER	Division of Environmental Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
GEI	GEI Consultants, Inc.
MGP	Manufactured Gas Plant
NYC DDC	New York City Department of Design and Construction
NYCDPR	New York City Department of Parks and Recreation
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
OU-1	Operable Unit 1
ppm	parts per million
PRR	Periodic Review Report
RA	Remedial Action
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
SM	Site Management
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
VCA	Voluntary Cleanup Agreement
VOCs	Volatile Organic Compounds

1. Introduction

GEI Consultants, Inc., P.C. (GEI), on behalf of National Grid, presents this Interim Review Report for the Troy – Liberty Street former manufactured gas plant (MGP) site located in Troy, New York (Figure 1). It provides a summary of the implementation of, and compliance with, the draft Site Management Plan (SMP) requirements since the remedial effort was completed in July 2014.

Deed restrictions have not yet been established at the site. However, the New York State Department of Environmental Conservation (NYSDEC) requested that National Grid proceed with reporting of the relevant SMP elements. The elements are annual groundwater monitoring and a site inspection to confirm that institutional and engineering controls remain in place and are effective.

1.1 Site Description and History

The Site is located in Troy, New York (Figure 1). It consists of paved and unoccupied land in an urban residential/light commercial setting in Troy's "Little Italy" neighborhood (Figure 2). The Site is bordered on all sides by city streets and a former railroad right of way. Liberty Street lies to the north, Fifth Avenue to the east, the former railroad to the southeast, Washington Street to the south, and Hill Street to the west (Figure 2). The Site lies, roughly, at the western base of Mount Ida (Prospect Park). The highest point at Prospect Park is more than 300 feet (ft) above the North American Vertical Datum of 1988 (NAVD88). The Site is at approximately 35 ft NAVD88.

The Site is 1.016 acres in area. It is bordered by a metal fence with brick pillars on the western side and a chain link fence on the northern side. It can be accessed through gated entrances from either Hill Street or Liberty Street. At the eastern boundary is a concrete retaining wall that increases in height from approximately 6 to 20-ft (north to south). At the top of the wall, maintained grass and a sidewalk is located along Fifth Avenue. Near the southern end of the Site a concrete and chain link fence separates the paved area from a recreation area with elevated bocce courts. Immediately south of the bocce courts is a brick wall at the Site boundary.

The Site is zoned for commercial use by the City of Troy Zoning and Planning Department. There are no private wells at the Site. The residential and commercial properties in the vicinity of the Site are supplied with potable water from the Tomhannock Reservoir, a man-made reservoir 6½ miles northeast of the city.

The gas works were constructed in 1848 by the Troy Gas Light Company. The gas plant consisted of coal storage sheds, a retort house, a purification house, a condenser room, and

offices. The plant had two subsurface gas holders approximately 55 ft in diameter, with aboveground iron guide frames. The Liberty Street plant apparently did not change between 1848 and 1889, when it was shut down. The City of Troy took possession in July 1899, using the property as an open-air market. In November 1975, the Troy News Company purchased the property. In 2003, the city foreclosed and regained ownership. The Site continues to be used for community activities organized by the Little Italy Association.

1.2 Regulatory Chronology

In 2005, National Grid conducted an initial site assessment. The assessment demonstrated that additional investigation was necessary. Between 2006 and 2011, National Grid conducted a Remedial Investigation (RI).

- The Final RI report was approved by NYSDEC on August 31, 2012.
- In August 2013, National Grid submitted an Alternatives Analysis (AA) and Remedial Action Work Plan (RAWP) to NYSDEC. This was approved by NYSDEC on January 3, 2014.
- NYSDEC issued the Decision Document for the Site on January 3, 2014.
- GEI developed the remedial design based on the requirements of the Decision Document. NYSDEC approved the design on January 27, 2014.

The remedial action Goals and Objectives follow.

1.3 Remedial Action Goal

Following approval of the Remedial Investigation Report, NYSDEC indicated in discussions that removal of potential tar sources at the site, to achieve a soil cleanup level of 500 mg/kg for total PAHs, was an appropriate Remedial Action Goal. This cleanup level is in lieu of achieving all of the PAH-specific SCOs in 6 NYCRR 375-6, and it is consistent with NYSDEC CP-51.

The goal for the remedial action was to remove the former tar well structures and adjacent soils that contain MGP-related source material, to the extent practicable, and soils in the top 20 feet that exceeded the criteria listed above. MGP-related source material is defined as materials containing or saturated with NAPL or product related to the former MGP operations.

1.4 Remedial Action Objectives

Remedial Action Objectives (RAOs) are medium-specific or operable-unit-specific objectives for the protection of human health and the environment. The RAOs that were applied for this remedy are presented below.

Soil

- Prevent, to the extent practicable, ingestion/direct contact with MGP-related soil contamination.

Groundwater

- Restore, groundwater to pre-disposal/pre-release conditions to the extent practicable.
- Prevent, to the extent practicable, contact with, or ingestion of groundwater with MGP-related contaminant levels exceeding class GA standards.

The remedial action was completed in July 2014.

A Final Engineering Report Remedial Action Report detailing the excavation, confirmation sampling program, backfill, and clean cover installation was provided to NYSDEC in April 2015.

1.5 Effectiveness of the Remedial Program

Both tar wells and surrounding impacted soils were removed and properly disposed of at off-site facilities. After backfilling, the site was prepared and new pavement was installed, preventing access to the subsurface. The effort was completed in July 2014.

Post remediation groundwater sampling was conducted in August 2014. The duplicate of one sample [well B/MW-102(14)] contained several organic compounds at concentrations higher than the NYS Ambient Water Quality Standards. The results were provided to NYSDEC in a letter report.

The second round of post remediation groundwater sampling was conducted in October of 2015. No organic impacts were detected in any of the wells. The results were reported to NYSDEC. Analytical results from both events are provided in Appendix A.

The soil cover system (pavement) continues to serve its function well.

1.6 Compliance with SMP

All work conducted at the site during the monitoring period was in compliance with the NYSDEC-pending approval SMP. No corrective action is necessary at this time.

1.7 Recommendations

National Grid does not recommend any changes to the SMP at this time.

2. Evaluation of Remedy

The remediation conducted has met the Site-specific RAOs established in the RAWP. Specifically, the remedy has met or continues to meet the following RAOs:

Soil

- Prevent, to the extent practicable, ingestion/direct contact with MGP-related soil contamination.

Groundwater

- Restore groundwater to pre-disposal/pre-release conditions to the extent practicable.
- Prevent, to the extent practicable, contact with, or ingestion of groundwater with MGP-related contaminant levels exceeding class GA standards.

3. Institutional Control Plan Compliance Report

3.1 Institutional Control Requirements

The institutional controls set forth in the draft SMP are as follows:

- Annual inspection and certification by a New York State-Licensed Professional Engineer to confirm that the land use restrictions specified in the RAWP for the Site are being complied with, and that the engineering and institutional controls specified in the RAWP are in place and remain effective to control the risk of potential exposure to subsurface residual contamination.
- Notification to the NYSDEC prior to any action that could jeopardize the integrity of the completed Remedial Action (RA) construction activities, including excavation work below the clean fill cover and demarcation barrier installed at the Site as part of RA construction activities.
- A prohibition on the use of the Site for any purpose other than community use without the prior written approval of the NYSDEC.
- A prohibition on the development of water supply wells on the Site
- Implementation of a NYSDEC-approved Soil Management Plan for intrusive work performed below the clean fill cover and demarcation barrier installed at the Site. This Soil Management Plan can be found in the SMP.

3.2 Institutional Control Compliance

The pavement was inspected to determine if any disruption or damage has occurred. No damage or disruption was observed.

The Site continues to be used by the community for gatherings and bocce ball. No evidence of intrusive activities was observed.

No water wells have not been installed on Site.

3.2.1 Site Inspection

Site photographs are included as Appendix B. A copy of the Sitewide Inspection Form is included as Appendix C.

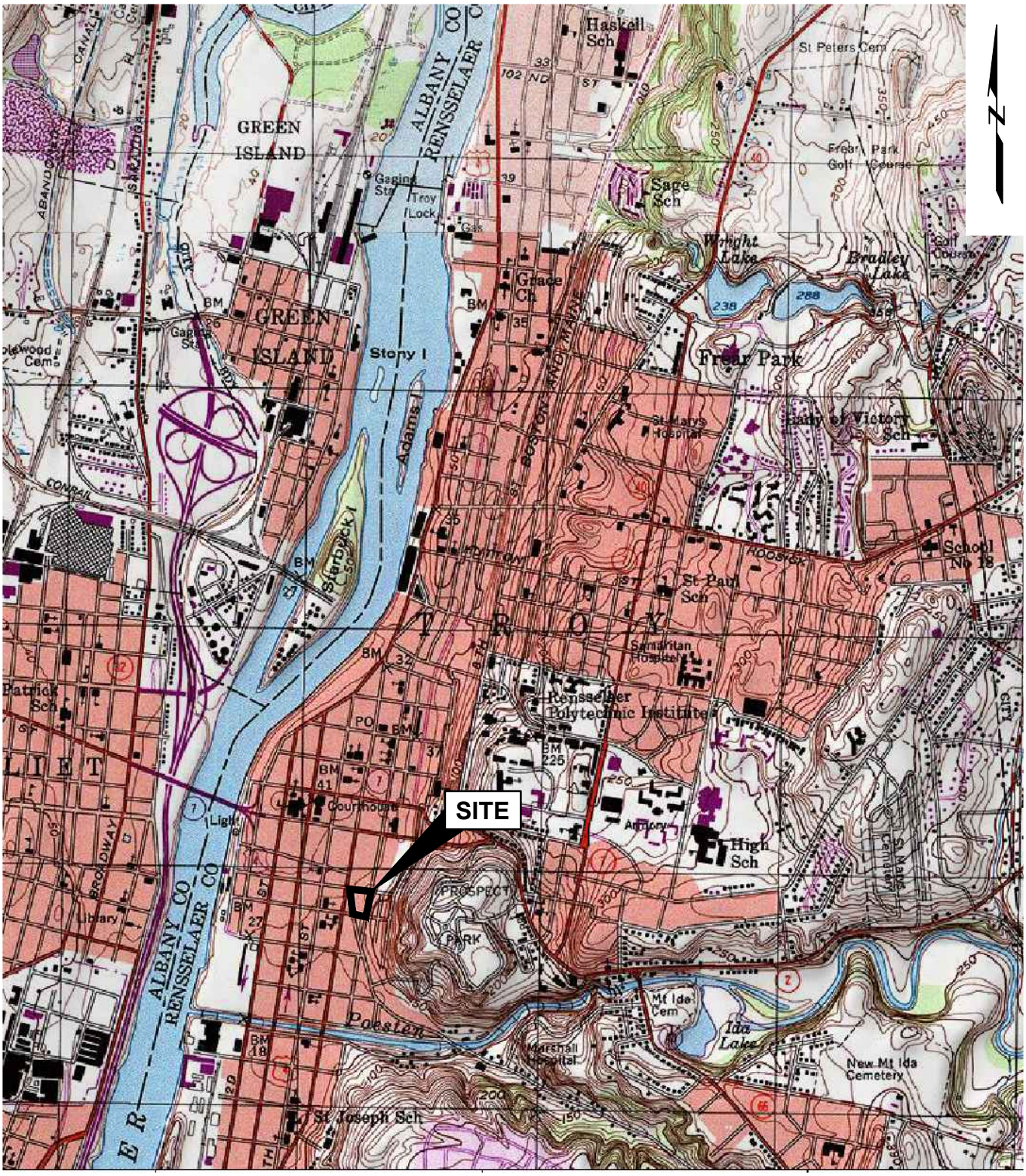
3.2.3 Future Soil Management Plan Compliance

During any intrusive activities, on-Site compliance with the SMP will be monitored by National Grid.

4. Conclusions and Recommendations

The requirements of the draft SMP have been met during this reporting period (August 16, 2014 to October 2015). National Grid has no recommendations at this time.

Figures



SOURCE:
U.S.G.S. TOPOGRAPHIC MAP CREATED WITH TOPO! ® ©2004
NATIONAL GEOGRAPHIC (www.nationalgeographic.com/topo)

0 2000' 4000'

SCALE: 1" = 2000'

Interim Review Report
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

nationalgrid

GEI Consultants

SITE LOCATION MAP

Project 093300 | December 2015 | Fig. 1

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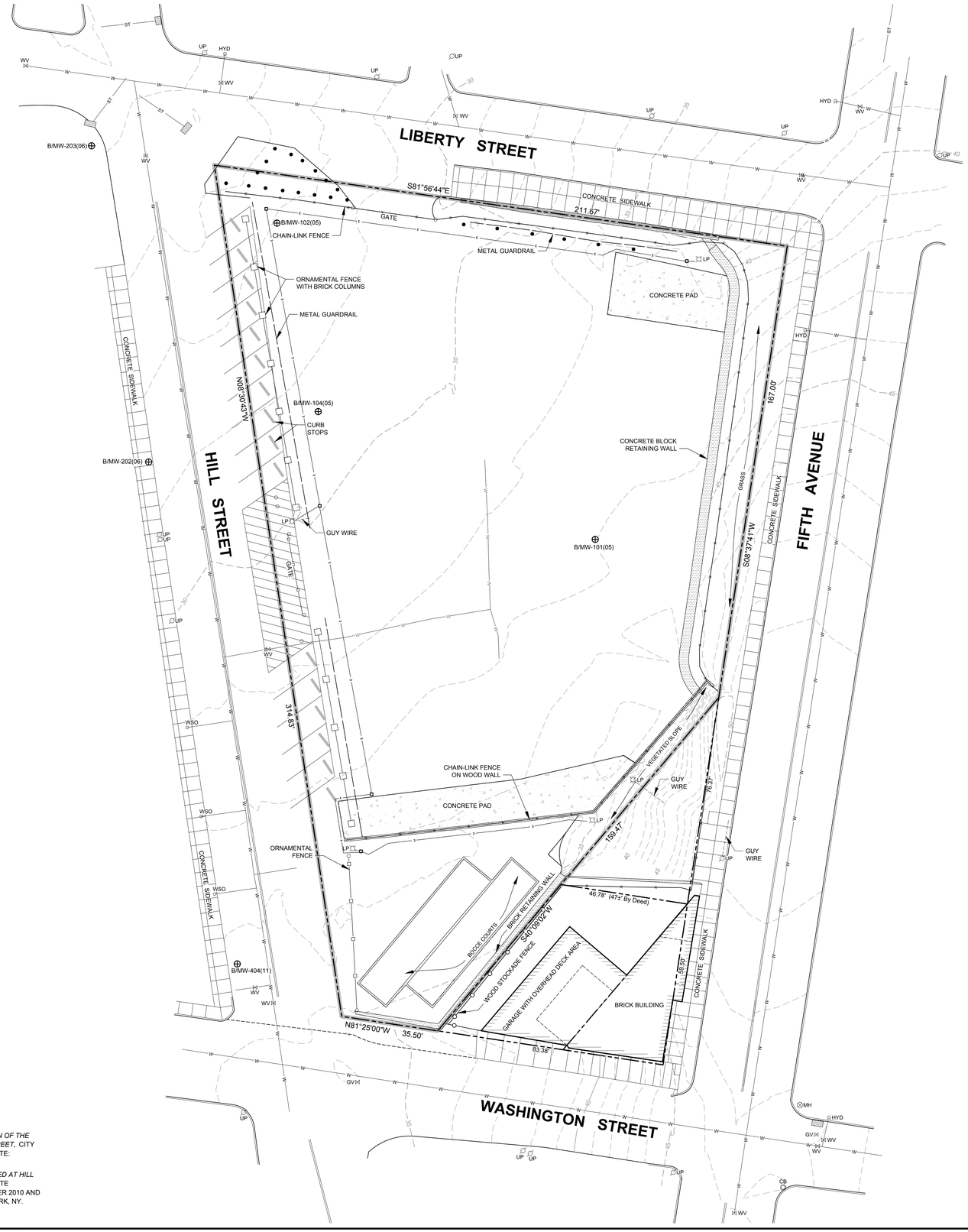

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- GROUND SURFACE CONTOURS
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- CONCRETE PAD
- HYDRANT
- WOOD UTILITY POLE
- STEEL LIGHT POLE
- CATCH BASIN
- MANHOLE
- GAS VALVE
- WATER SHUT OFF
- WATER VALVE
- CITY OF TROY WATER MAIN
- WATER LINE (SUSPECTED ABANDONED)
- STORM SEWER LINE
- B/MW-101(05) MONITORING WELL (YEAR INSTALLED)
- B/PZ-407(11) SOIL BORING/PIEZOMETER (GEI, 2011)
- B/PZ-407(11) PIEZOMETER DECOMMISSIONED MARCH 2013
- B/MW-302(10) MONITORING WELL DECOMMISSIONED MARCH 2013

NOTES:

1. ELEVATIONS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY DELTA ENGINEERS, DATED JANUARY 2013.

SCALE: 1" = 20'

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC AND BOUNDARY SURVEY, PORTION OF THE LANDS OF THE CITY OF TROY, NEW YORK (FORMER MGP SITE), 34 HILL STREET,* CITY OF TROY, RENSSELAER COUNTY, STATE OF NEW YORK, SCALE: 1" = 20', DATE: JANUARY 22, 2013 AND APRIL 19, 2013 BY DELTA ENGINEERS, VERNON, NY.
2. *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET,* CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
3. SANBORN FIRE INSURANCE MAP, 1885.

Interim Review Report
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

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GEI

Project 093300

CURRENT SITE CONFIGURATION, BOUNDARIES, COVER AREA

December 2015 Fig. 2

\\gtb1v-fs01\ I:\Project\National Grid\TROY\LIBERTY_ST\Interim Review Report\2 Troy-IRR.dwg - 12/22/2015

Appendix A

2014 and 2015 Groundwater Analytical Results

2014

nationalgrid

James Morgan
Project Manager

October 7, 2014

Mr. R. Scott Deyette
Chief, Inspection Unit
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7012

Re: 2014 Post-Remediation Groundwater Sampling
Liberty Street Non-Owned Former Manufactured Gas Plant (MGP) Site
Troy, New York
NYSDEC Site # V000482

Dear Mr. Deyette:

On behalf of National Grid, GEI Consultants, Inc., P.C. (GEI) is providing you with this letter report which summarizes groundwater monitoring activities performed after the remediation and restoration of (Figure 1) the Liberty Street Non-Owned Former Manufactured Gas Plant (MGP) Site in Troy, New York (the "Site"). Figure 2 presents former structures and current conditions.

As you know, the following piezometers and monitoring wells were decommissioned prior to remediation, with concurrence from NYSDEC:

- B/MW-103(05), B/MW-201(06), B/MW-301(10) through B/MW-303(10) and B/MW-324(10), and B/PZ-407(11) through B/PZ-411(11).

Table 1 presents the construction details for those wells that were sampled.

Field Procedures

A full round of groundwater gauging and sampling took place at the Site (Figure 2) on August 19, 2014. Groundwater samples were collected using low-flow sampling techniques with a peristaltic pump and YSI water quality sonde. Purge water was continuously monitored for pH, dissolved oxygen (DO), temperature, conductivity, and turbidity. When the purge parameters had stabilized to +/- 10%, samples were collected by directly filling clean sample containers provided by the laboratory. The samples were immediately placed on ice. Final groundwater discharge parameters are provided in Table 2.

TestAmerica (Edison, New Jersey) analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) via EPA Method 8260B and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270C.

Validation

Groundwater analytical data were validated per appropriate EPA guidance, consistent with New York State Analytical Services Protocol (NYSASP) Category B guidance. The data usability summary reports and validated Form 1s are presented in Appendix A. All other laboratory data and documents are on file with GEI. These documents are available on request.

Erie Boulevard, Syracuse, NY
T: 518.428.3101 ■ james.f.morgan@nationalgrid.com ■ www.nationalgrid.com

Groundwater Results Summary

Groundwater elevations are provided in Table 3. Groundwater contours and validated analytical data are summarized in Figure 3. The groundwater contours developed from the August 2014 gauging measurements are consistent with historical contours. Overburden groundwater flow direction at the Site is from the east to west and northwest.

August 2014 and historical groundwater analytical data are provided in Table 4.

The August 2014 groundwater analytical results are generally consistent with historical results (Figure 3). However, PAHs were detected above the New York State Ambient Water Quality Standards (NYS AWQS) in the B/MW-102(05) on-site sample collected in 2014. This appears to be a function of lower detection limits in 2014 (1 ug/L) compared to previous years (4 and 4.4 ug/L). The closest down-gradient wells (off site) are free of detectable PAHs.

Waste Disposal

Purged ground water and decontamination fluids were containerized in a 55-gallon reconditioned steel drum and properly disposed of by Clean Harbors on behalf of National Grid.

If you have any questions or require additional information, please feel free to contact me at (315) 428-3101 or Jerry Zak (GEI Consultants, Inc., P.C.) at (860) 368-5404.

Sincerely,

for

James Morgan
Project Manager

Enclosures

JZ/ahH:\WPROC\Project\NationalGrid\NG-Troy-LibertySt\Post-Remediation GW Monitoring\2014\Troy Liberty Post Rem GW Mon ltr rpt 10-2014.doc

Table 1. Monitoring Well Construction Details
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Installed	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Total Boring Depth (ft, bgs)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Top of Sand Pack (ft, bgs)	Well Screen Material	Unit Screened
B/MW-101(05)	12/5/2005	32.15	31.99	30	17	27	27	23	14	2-in ID Sch 40 PVC factory slotted	f sand, silt, gravel
B/MW-102(05)	12/7/2005	28.05	27.60	17.5	7	17	17	12	5	2-in ID Sch 40 PVC factory slotted	f-m sand, silt
~~B/MW-103(05)~~	~~12/5/2005~~	~~33.38~~	~~33.13~~	~~30~~	~~18~~	~~28~~	~~28~~	~~23~~	~~16~~	~~2-in ID Sch 40 PVC factory slotted~~	~~f-m sand, silt, clay, gravel~~
B/MW-104(05)	12/6/2005	29.42	29.14	24	12	22	22	17	11	2-in ID Sch 40 PVC factory slotted	f-m sand, gravel
~~B/MW-201(06)~~	~~12/14/2006~~	~~35.01~~	~~34.62~~	~~25~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~clay, silt, sand~~
B/MW-202(06)	12/12/2006	28.68	28.10	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand, gravel
B/MW-203(06)	12/12/2006	26.06	25.32	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silt
~~B/MW-301(10)~~	~~11/1/2010~~	~~31.14~~	~~30.81~~	~~35~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, silty sand, gravel, silt, clay~~
~~B/MW-302(10)~~	~~11/1/2010~~	~~33.02~~	~~32.60~~	~~35~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, silt~~
~~B/MW-303(10)~~	~~10/29/2010~~	~~33.35~~	~~32.97~~	~~45~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~clay, f-c sand~~
~~B/MW-324(10)~~	~~10/29/2010~~	~~33.09~~	~~32.63~~	~~45~~	~~14~~	~~24~~	~~26~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~silty f-c sand, gravel, clay~~
B/MW-404(11)	4/14/2011	33.33	32.95	30	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
~~B/PZ-407(11)~~	~~4/12/2011~~	~~29.81~~	~~29.26~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~10~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~
~~B/PZ-408(11)~~	~~4/12/2011~~	~~31.87~~	~~31.53~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel~~
~~B/PZ-409(11)~~	~~4/12/2011~~	~~33.33~~	~~32.79~~	~~30~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~silty f-c sand, gravel~~
~~B/PZ-410(11)~~	~~4/12/2011~~	~~31.65~~	~~31.17~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~
~~B/PZ-411(11)~~	~~4/13/2011~~	~~30.61~~	~~30.21~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988

ft, bgs - feet below ground surface

~~B/MW-103(05)~~ - Well decommissioned

~~B/PZ-407(11)~~ - Piezometer decommissioned

Table 2. Final Groundwater Discharge Parameters
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Sampled	Temperature (deg. C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)
B/MW-101(05)	11/18/2010	15.22	1548	14.26	6.78	137.4	3.1
B/MW-102(05)	11/19/2010	24.63	935	0.16	6.86	176.1	6.7
B/MW-103(05)	11/19/2010	13.84	1265	22.16	6.69	-151.0	10.6
B/MW-104(05)	11/18/2010	16.01	1052	20.72	6.53	79.0	6.2
B/MW-201(06)	11/18/2010	14.66	1224	19.55	6.6	130.9	0.3
B/MW-202(06)	11/18/2010	16.56	1644	26.80	6.38	128.9	8.3
B/MW-203(06)	11/18/2010	14.55	1473	1.86	7.06	316.4	5.8
B/MW-301(10)	11/18/2010	18.59	1876	0.97	6.96	121.0	9.8
B/MW-302(10)	11/18/2010	15.40	1013	0.67	7.30	357.1	2.6
B/MW-303(10)	11/18/2010	19.33	188	1.98	7.8	310.1	4.6
B/MW-324(10)	11/19/2010	17.00	2203	0.07	6.87	-47.2	-1.0
B/MW-101(05)	5/5/2011	12.77	1986	6.49	6.75	157	18.8
B/MW-102(05)	5/5/2011	11.50	1884	0.44	6.67	202.8	3.2
B/MW-103(05)	5/6/2011	14.06	1612	6.60	6.66	-165.7	5.3
B/MW-104(05)	5/5/2011	12.93	2078	2.03	6.55	151	2.7
B/MW-201(06)	5/5/2011	11.64	3299	7.18	6.67	150.3	5.0
B/MW-202(06)	5/6/2011	14.03	2228	6.99	6.45	45.7	1.3
B/MW-203(06)	5/5/2011	11.88	4767	2.42	6.91	111.1	0.0
B/MW-301(10)	5/5/2011	13.34	2883	12.00	6.67	-103.3	5.5
B/MW-302(10)	5/5/2011	12.53	1388	12.03	7.02	181	0.0
B/MW-303(10)	5/5/2011	9.02	352	27.29	8.02	80.8	0.2
B/MW-324(10)	5/6/2011	14.08	4558	0.51	5.43	-213.5	-10.7
B/MW-404(11)	5/6/2011	9.95	522	46.70	5.55	205.2	-5.6
B/MW-101(05)	8/19/2014	17.50	1260	1.40	6.76	-13.8	1.4
B/MW-102(05)	8/19/2014	18.60	956	0.01	6.45	39.9	1.0
B/MW-104(05)	8/19/2014	17.00	1597	0.02	6.21	-4.0	0.1
B/MW-202(06)	8/19/2014	16.80	2152	0.06	6.17	-27.2	2.6
B/MW-203(06)	8/19/2014	17.30	3135	0.02	6.36	-33.9	8.2
B/MW-404(11)	8/19/2014	19.90	339	2.09	6.69	41.0	0.2

Notes:

deg. C - degrees Celsius
mS/cm - milliSiemens per centimeter
mg/L - milligrams per liter
S.U. - Standard units
mV - milliVolts
NTU - Nephelometric Turbidity Units

Table 3. Groundwater Elevations
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Northing	Easting	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Depth to Water (12/2005) (ft, bgs)	Groundwater Elevation (12/2005) (ft, NAVD88)	Depth to Water (12/2006) (ft, bgs)	Groundwater Elevation (12/2006) (ft, NAVD88)
B/MW-101(05)	1418713.7909	709904.0096	32.15	31.99	17	27	27	23	NA	15.12	NA	14.43
B/MW-102(05)	1418829.6033	709787.6836	28.05	27.60	7	17	17	12	NA	14.84	NA	14.15
B/MW-103(05)	1418570.6710	709822.8544	33.38	33.13	18	28	28	23	NA	14.68	NA	13.95
B/MW-104(05)	1418760.6340	709802.7049	29.42	29.14	12	22	22	17	NA	14.67	NA	13.95
B/MW-201(06)	1418475.6220	709829.4970	35.01	34.62	14	24	24	19	--	--	NA	14.00
B/MW-202(06)	1418742.2620	709740.6720	28.68	28.10	9.5	20	19.5	14.5	--	--	NA	14.18
B/MW-203(06)	1418857.9290	709719.8990	26.06	25.32	9.5	19.5	19.5	14.5	--	--	NA	14.50
B/MW-301(10)	1418812.6260	709911.3770	31.14	30.81	15	25	25	20	--	--	--	--
B/MW-302(10)	1418625.7960	709886.5990	33.02	32.60	15	25	25	20	--	--	--	--
B/MW-303(10)	1418539.6000	709753.7880	33.35	32.97	14	24	24	19	--	--	--	--
B/MW-324(10)	1418570.3330	709807.5630	33.09	32.63	14	24	26	19	--	--	--	--
B/MW-404(11)	1418558.6354	709772.8932	33.33	32.95	14	24	24	19	--	--	--	--
B/PZ-407(11)	1418816.8233	709849.1786	29.81	29.26	14	24	24	19	--	--	--	--
B/PZ-408(11)	1418758.7155	709932.5038	31.87	31.53	14	24	24	19	--	--	--	--
B/PZ-409(11)	1418656.4867	709931.7253	33.33	32.79	15	25	25	20	--	--	--	--
B/PZ-410(11)	1418668.8797	709837.9031	31.65	31.17	14	24	24	19	--	--	--	--
B/PZ-411(11)	1418687.3890	709791.6188	30.61	30.21	14	24	24	19	--	--	--	--

Table 3. Groundwater Elevations
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Depth to Water (11/18/10) (ft, bgs)	Groundwater Elevation (11/18/10) (ft, NAVD88)	Depth to Water (3/1/11) (ft, bgs)	Groundwater Elevation (3/1/11) (ft, NAVD88)	Depth to Water (4/13/11) (ft, bgs)	Groundwater Elevation (4/13/11) (ft, NAVD88)	Depth to Water (5/4/11) (ft, bgs)	Groundwater Elevation (5/4/11) (ft, NAVD88)	Depth to Water (8/19/2014) (ft, bgs)	Groundwater Elevation (8/19/2014) (ft, NAVD88)
B/MW-101(05)	17.57	14.42	NM	NM	16.00	15.99	16.06	15.93	17.24	14.75
B/MW-102(05)	13.65	13.95	13.43	14.17	12.10	15.50	12.15	15.45	13.17	14.43
B/MW-103(05)	19.25	13.88	19.06	14.07	17.62	15.51	17.66	15.47	NM	NM
B/MW-104(05)	15.21	13.93	15.00	14.14	13.64	15.50	13.64	15.50	14.75	14.39
B/MW-201(06)	20.80	13.82	20.62	14.00	19.15	15.47	19.2	15.42	NM	NM
B/MW-202(06)	14.20	13.90	NM	NM	12.70	15.40	NM	NM	13.76	14.34
B/MW-203(06)	11.70	13.62	NM	NM	10.18	15.14	10.25	15.07	11.33	13.99
B/MW-301(10)	16.85	13.96	16.64	14.17	15.30	15.51	15.35	15.46	NM	NM
B/MW-302(10)	18.73	13.87	NM	NM	17.09	15.51	17.15	15.45	NM	NM
B/MW-303(10)	16.65	16.32	13.94	19.03	15.85	17.12	16	16.97	NM	NM
B/MW-324(10)	18.73	13.9	18.55	14.08	17.17	15.46	17.21	15.42	NM	NM
B/MW-404(11)	--	--	--	--	17.51	15.44	17.51	15.44	18.61	14.34
B/PZ-407(11)	--	--	--	--	13.80	15.46	13.81	15.45	NM	NM
B/PZ-408(11)	--	--	--	--	15.98	15.55	16.01	15.52	NM	NM
B/PZ-409(11)	--	--	--	--	17.31	15.48	17.36	15.43	NM	NM
B/PZ-410(11)	--	--	--	--	15.70	15.47	15.74	15.43	NM	NM
B/PZ-411(11)	--	--	--	--	14.75	15.46	14.84	15.37	NM	NM

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988
ft, bgs - feet below ground surface
NA - Not Available
NM - Not Measured

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
Parent Sample Code														B/MW-102(05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**											
BTEX														
Benzene	ug/L	71-43-2	1	0.39 U	0.39 U	5 U	5 U	1 U	0.39 U	0.39 U	5 U	5 U	**0.086 J**	1 U
Toluene	ug/L	108-88-3	5	0.36 U	0.36 U	5 U	5 U	1 U	0.36 U	0.36 U	5 U	5 U	1 U	1 U
Ethylbenzene	ug/L	100-41-4	5	0.45 U	0.45 U	5 U	5 U	1 U	0.45 U	0.45 U	5 U	5 U	1 U	1 U
o-Xylene	ug/L	95-47-6	5	0.46 U	0.46 U				**0.72 J**	0.46 U				
m/p-Xylene	ug/L	179601-23-1	5	0.12 U	1.2 U				0.12 U	1.2 U				
Total Xylene	ug/L	1330-20-7	5			5 U	5 U	2 U			5 U	5 U	2 U	2 U
Total BTEX (ND=0)	ug/L	TBTEX_ND0	NE	ND	ND	ND	ND	ND	**0.72**	ND	ND	ND	**0.086**	ND
Other VOCs														
Acetone	ug/L	67-64-1	50*			10 U	10 U				10 U	10 U		
Bromodichloromethane	ug/L	75-27-4	50*			5 U	5 U				5 U	5 U		
Bromoform	ug/L	75-25-2	50*			5 U	5 U				5 U	5 U		
Bromomethane	ug/L	74-83-9	5			5 U	5 U				5 UJ	5 U		
Carbon disulfide	ug/L	75-15-0	60*			5 U	5 U				5 U	5 U		
Carbon tetrachloride	ug/L	56-23-5	5			5 U	5 U				5 U	5 U		
Chlorobenzene	ug/L	108-90-7	5			5 U	5 U				5 U	5 U		
Chloroethane	ug/L	75-00-3	5			5 U	5 UJ				5 U	5 UJ		
Chloroform	ug/L	67-66-3	7	**5**		**4.3 J**	**3.8 J**		**1.9 J**		5 U	5 U		
Chloromethane	ug/L	74-87-3	5			5 U	5 U				5 U	5 U		
Cyclohexane	ug/L	110-82-7	NE	0.36 U					0.36 U					
Dibromochloromethane	ug/L	124-48-1	50*			5 U	5 U				5 U	5 U		
1,1-Dichloroethane	ug/L	75-34-3	5			5 UJ	5 U				5 U	5 U		
1,2-Dichloroethane	ug/L	107-06-2	0.6			5 U	5 U				5 U	5 U		
1,1-Dichloroethene	ug/L	75-35-4	0.07			5 U	5 U				5 U	5 U		
cis-1,2-Dichloroethene	ug/L	156-59-2	5			5 U	5 U				5 U	5 U		
trans-1,2-Dichloroethene	ug/L	156-60-5	5			5 U	5 U				5 U	5 U		
1,2-Dichloropropane	ug/L	78-87-5	1			5 U	5 U				5 U	5 U		
cis-1,3-Dichloropropene	ug/L	10061-01-5	0.4			5 U	5 U				5 U	5 U		
trans-1,3-Dichloropropene	ug/L	10061-02-6	0.4			5 U	5 U				5 U	5 U		
2-Hexanone	ug/L	591-78-6	50*			10 U	10 U				10 U	10 U		
Isopropyl benzene	ug/L	98-82-8	5	0.44 U					0.44 U					
Methyl ethyl ketone (2-Butanone)	ug/L	78-93-3	50*			10 U	10 U				10 U	10 U		
4-Methyl-2-pentanone (MIBK)	ug/L	108-10-1	NE			10 U	10 U				10 U	10 U		
Methylcyclohexane	ug/L	108-87-2	NE	0.34 U					0.34 U					
Methylene chloride	ug/L	75-09-2	5			5 U	5 U				5 U	5 U		
Styrene	ug/L	100-42-5	5	0.41 U		5 U	5 U		0.41 U		5 U	5 U		
1,1,2,2-Tetrachloroethane	ug/L	79-34-5	5			5 U	5 U				5 U	5 U		
Tetrachloroethene (PCE)	ug/L	127-18-4	5			5 U	5 U				5 U	5 U		
1,1,1-Trichloroethane (TCA)	ug/L	71-55-6	5			5 U	5 U				5 U	5 U		
1,1,2-Trichloroethane	ug/L	79-00-5	1			5 U	5 U				5 U	5 U		
Trichloroethene (TCE)	ug/L	79-01-6	5			5 U	5 U				5 U	5 U		
Vinyl chloride	ug/L	75-01-4	2			5 U	5 U				5 U	5 U		

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014	
Parent Sample Code															B/MW-102(05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
NYSDEC PAH17															
Acenaphthene	ug/L	83-32-9	20*	2.7 U	1.4 U	4.3 U	4 U	10 U	**42**	**15 JD**	4.4 U	4 U	10 U	11 U	
Acenaphthylene	ug/L	208-96-8	NE	2.6 U	1.3 U	4.3 U	4 U	10 U	**1.8 J**	**9.4 JD**	4.4 U	4 U	10 U	11 U	
Anthracene	ug/L	120-12-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	**6.9 J**	**23 JD**	4.4 U	4 U	**1.3 J**	11 U	
Benzo(a)anthracene	ug/L	56-55-3	0.002*	2.2 U	1.1 U	4.3 U	4 U	1 U	**2.7 J**	**39 JD**	4.4 U	4 U	**1.8**	**1.7**	
Benzo(b)fluoranthene	ug/L	205-99-2	0.002*	2.2 U	0.76 U	4.3 U	4 U	1 U	**3 J**	**40 JD**	4.4 U	4 U	**1.9**	**2.1**	
Benzo(k)fluoranthene	ug/L	207-08-9	0.002*	2.6 U	1.9 U	4.3 U	4 U	1 U		**25 JD**	4.4 U	4 U	**0.82 J**	**0.81 J**	
Benzo(g,h,i)perylene	ug/L	191-24-2	NE	2.3 U	1.1 U	4.3 U	4 UJ	10 U	**2.5 J**	**50 JD**	4.4 U	4 UJ	10 U	**1.1 J**	
Benzo(a)pyrene	ug/L	50-32-8	ND	1.5 U	1.2 U	4.3 U	4 U	1 U	**2.9 J**	**46 JD**	4.4 U	4 U	**1.8 J**	**1.9 J**	
Chrysene	ug/L	218-01-9	0.002*	3.3 U	1.7 U	4.3 U	4 U	10 U	**3 J**	**36 JD**	4.4 U	4 U	**2.2 J**	**1.6 J**	
Dibenz(a,h)anthracene	ug/L	53-70-3	NE		0.87 U	4.3 U	4 U	1 U		4.5 UD	4.4 U	4 U	1 U	1.1 U	
Fluoranthene	ug/L	206-44-0	50*	2.4 U	1.2 U	4.3 U	4 U	10 U	**12**	**76 D**	4.4 U	4 U	**3.4 J**	**3.4 J**	
Fluorene	ug/L	86-73-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	**24**	7.2 UD	4.4 U	4 U	10 U	11 U	
Indeno(1,2,3-cd)pyrene	ug/L	193-39-5	0.002*	1.7 U	0.84 U	4.3 U	4 U	1 U	**2.7 J**	**33 JD**	4.4 U	4 U	**0.89 J**	**0.55 J**	
2-Methylnaphthalene	ug/L	91-57-6	NE	2.2 U		4.3 U	4 U	10 U	**8.9 J**		4.4 U	4 U	10 U	11 U	
Naphthalene	ug/L	91-20-3	10*	2.8 U	1.4 U	4.3 U	4 U	10 U	1.4 U	7.1 UD	4.4 U	4 U	10 U	11 U	
Phenanthrene	ug/L	85-01-8	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	**40**	**27 JD**	4.4 U	4 U	10 U	11 U	
Pyrene	ug/L	129-00-0	50*	2.9 U	1.5 U	4.3 U	4 U	10 U	**10 J**	**190 D**	4.4 U	4 U	**3.9 J**	**4 J**	
Total PAH (16) (ND=0)	ug/L	TPAH16_ND0	NE	ND	ND	ND	ND	ND	**153.4**	**609.4**	ND	ND	**18.01**	**17.16**	
Total PAH (17) (ND=0)	ug/L	TPAH17_ND0	NE	ND	ND	ND	ND	ND	**162.4**	**609.4**	ND	ND	**18.01**	**17.16**	
NYSDEC PAH17 Other SVOCs															
Benzyl alcohol	ug/L	100-51-6	NE			4.3 U	4 U				4.4 U	4 U			
Bis(2-chloroethoxy)methane	ug/L	111-91-1	5			4.3 U	4 U				4.4 U	4 U			
Bis(2-chloroethyl)ether	ug/L	111-44-4	1			4.3 U	4 U				4.4 U	4 U			
Bis(chloroisopropyl)ether	ug/L	108-60-1	5			4.3 U	4 U				4.4 U	4 U			
Bis(2-ethylhexyl)phthalate	ug/L	117-81-7	5			4.3 U	4 U				4.4 U	4 U			
4-Bromophenyl phenyl ether	ug/L	101-55-3	NE			4.3 U	4 U				4.4 U	4 U			
Butyl benzyl phthalate	ug/L	85-68-7	50*			4.3 U	4 U				4.4 U	4 U			
Carbazole	ug/L	86-74-8	NE			4.3 U	4 U		**13**		**4.4 U**	**4 U**			
4-Chloro-3-methylphenol	ug/L	59-50-7	NE			5.3 U	5 U				5.6 U	5 U			
4-Chloroaniline	ug/L	106-47-8	5			4.3 U					4.4 U				
2-Chloronaphthalene	ug/L	91-58-7	10*			4.3 U	4 U				4.4 U	4 U			
2-Chlorophenol	ug/L	95-57-8	NE			4.3 U	4 U				4.4 U	4 U			
4-Chlorophenyl phenyl ether	ug/L	7005-72-3	NE			4.3 U	4 U				4.4 U	4 U			
Dibenzofuran	ug/L	132-64-9	NE	2.6 U		4.3 U	4 U		**11**		4.4 U	4 U			
1,2-Dichlorobenzene	ug/L	95-50-1	3			4.3 U	4 U				4.4 U	4 U			
1,3-Dichlorobenzene	ug/L	541-73-1	3			4.3 U	4 U								
1,4-Dichlorobenzene	ug/L	106-46-7	3			4.3 U	4 U								
3,3-Dichlorobenzidine	ug/L	91-94-1	5			4.3 U	4 U				4.4 U	4 U			
2,4-Dichlorophenol	ug/L	120-83-2	5			4.3 U	4 U				4.4 U	4 U			
Diethyl phthalate	ug/L	84-66-2	50*			4.3 U	4 U				4.4 U	4 U			
Dimethyl phthalate	ug/L	131-11-3	50*			4.3 U	4 U				4.4 U	4 U			
2,4-Dimethylphenol	ug/L	105-67-9	50*			4.3 U	4 U				4.4 U	4 U			
Di-n-butyl phthalate	ug/L	84-74-2	50			4.3 U	4 U				4.4 U	4 U			
4,6-Dinitro-2-methylphenol	ug/L	534-52-1	NE			27 U	25 U				28 U	25 U			
2,4-Dinitrophenol	ug/L	51-28-5	10*			27 U	25 U				28 U	25 U			
2,4-Dinitrotoluene	ug/L	121-14-2	5			4.3 U	4 U				4.4 U	4 U			

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-501(14)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	12/20/2005	12/31/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
Parent Sample Code														B/MW-102(05)
Analyte	**Units**	**CAS No.**	**NYS AWQS**											
2,6-Dinitrotoluene	ug/L	606-20-2	5			4.3 U	4 U				4.4 U	4 U		
Di-n-octyl phthalate	ug/L	117-84-0	50*			4.3 U	4 U				4.4 U	4 U		
Hexachlorobenzene	ug/L	118-74-1	0.04			4.3 U	4 U				4.4 U	4 U		
Hexachlorobutadiene (C-46)	ug/L	87-68-3	0.5			4.3 U	4 UJ				4.4 U	4 UJ		
Hexachlorocyclopentadiene	ug/L	77-47-4	5			4.3 U	4 U				4.4 U	4 U		
Hexachloroethane	ug/L	67-72-1	5			4.3 U	4 U				4.4 U	4 U		
Isophorone	ug/L	78-59-1	50*			4.3 U	4 U				4.4 U	4 U		
2-Methylphenol (o-Cresol)	ug/L	95-48-7	1			4.3 U	4 U				4.4 U	4 U		
4-Methylphenol (p-Cresol)	ug/L	106-44-5	1			4.3 U	4 U				4.4 U	4 U		
2-Nitroaniline	ug/L	88-74-4	5			4.3 U	4 U				4.4 U	4 U		
3-Nitroaniline	ug/L	99-09-2	5			4.3 U	4 U				4.4 U	4 U		
4-Nitroaniline	ug/L	100-01-6	5			4.3 U	4 U				4.4 U	4 U		
Nitrobenzene	ug/L	98-95-3	0.4			4.3 U	4 U				4.4 U	4 U		
2-Nitrophenol	ug/L	88-75-5	NE			4.3 U	4 U				4.4 U	4 U		
4-Nitrophenol	ug/L	100-02-7	NE			11 U	10 U				11 U	10 U		
N-Nitrosodiphenylamine (NDFA)	ug/L	86-30-6	50*			4.3 U	4 U				4.4 U	4 U		
N-Nitrosodi-n-propylamine (NDPA)	ug/L	621-64-7	NE			4.3 U	4 U				4.4 U	4 U		
Pentachlorophenol	ug/L	87-86-5	1			27 U	25 U				28 U	25 U		
Phenol	ug/L	108-95-2	1			4.3 U	4 U				4.4 U	4 U		
1,2,4-Trichlorobenzene	ug/L	120-82-1	5			4.3 U	4 U				4.4 U	4 U		
2,4,5-Trichlorophenol	ug/L	95-95-4	NE			11 U	10 U				11 U	10 U		
2,4,6-Trichlorophenol	ug/L	88-06-2	NE			4.3 U	4 U				4.4 U	4 U		
PCB Aroclors														
Total PCBs (Lab calculated)	ug/L	1336-36-3	0.09	0					0 U					
Pesticides														
Aldrin	ug/L	309-00-2	ND	0.06 U					**0.28**					
delta-BHC (delta-Hexachlorocyclohexane)	ug/L	319-86-8	0.04	0.1 U					0.052 U					
4,4-DDD (p,p-DDD)	ug/L	72-54-8	0.3	0.014 U					0.007 U					
Total Metals														
Aluminum	ug/L	7429-90-5	NE	**709 J**		**71.5 J**	**163 J**		**31700 J**		**121 J**	**15.5 J**		
Antimony	ug/L	7440-36-0	3	3.17 U		15 U	15 U		**55.5 J**		15 U	15 U		
Arsenic	ug/L	7440-38-2	25	3.32 UJ		15 U	15 U		**25.5 J**		15 UJ	15 U		
Barium	ug/L	7440-39-3	1000	**67.8**		**130**	**148**		**564 J**		**218**	**224**		
Beryllium	ug/L	7440-41-7	3*	**0.24**		5 U	5 U		**2.64 J**		5 U	5 U		
Cadmium	ug/L	7440-43-9	5	0.327 U		5 U	5 U		0.327 U		5 U	5 U		
Calcium	ug/L	7440-70-2	NE	**54500**		**129000**	**145000**		**135000**		**109000**	**155000**		
Chromium	ug/L	7440-47-3	50	**2.03 J**		5 U	5 U		**39.9**		5 U	5 U		
Cobalt	ug/L	7440-48-4	NE	0.37 U		5 U	5 U		**34.9 J**		5 U	5 U		
Copper	ug/L	7440-50-8	200	**9.05 J**		**2.7 J**	**2.9 J**		**88.7**		**3.6 J**	**1.9 J**		
Iron	ug/L	7439-89-6	300	**1610**		**173**	**430**		**69700**		**379**	**89.4 J**		
Lead	ug/L	7439-92-1	25	**3.73 J**		15 UJ	15 U		**161**		15 U	15 U		
Magnesium	ug/L	7439-95-4	35000*	**13500**		**30700**	**37500**		**57600**		**72700**	**104000**		
Manganese	ug/L	7439-96-5	300	**266**		**121**	**52.3**		**10100**		**1110**	**424**		
Mercury	ug/L	7439-97-6	0.7	0.03 U		0.4 U	0.2 U		**1.28 J**		0.4 U	0.2 U		
Nickel	ug/L	7440-02-0	100	1.56 U		5 U	5 U		**40.4**		**2 J**	**1 J**		
Potassium	ug/L	7440-09-7	NE	**5330**		**6360**	**8410**		**22500 J**		**26400**	**28100**		
Selenium	ug/L	7782-49-2	10	3.04 U		38 U	38 U		3.04 U		38 U	38 U		
Silver	ug/L	7440-22-4	50	1.64 U		5 U	5 U		**12**		5 U	5 U		
Sodium	ug/L	7440-23-5	20000	332 U		**296000**	**279000**		**54200**		**79100**	**126000**		
Thallium	ug/L	7440-28-0	0.5*	3.05 U		15 U	15 U		3.05 U		15 U	15 U		
Vanadium	ug/L	7440-62-2	NE	0.701 U		**1.2 J**	**1.7 J**		**45.8 J**		**2.3 J**	5 U		
Zinc	ug/L	7440-66-6	2000*	**40.2 J**		**5.1 J**	**5.1 J**		**198 J**		25 U	25 U		
Cyanides														
Total Cyanide	ug/L	57-12-5	200	0.01 U		10 U	10 U		**0.965**		**189**	**166**		

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample Code				B/MW-103(05) B/MW-103(05) 12/20/2005	B/MW-103(05) B/MW-Dup 2005(05) 12/20/2005 B/MW-103(05)	B/MW-103(05) B/MW-103(05) 12/31/2006	B/MW-103(05) B/MW-103(05) 11/19/2010	B/MW-103(05) B/MW-103(05) 5/6/2011	B/MW-104(05) B/MW-104(05) 12/20/2005	B/MW-104(05) B/MW-104(05) 12/28/2006	B/MW-104(05) B/MW-104(05) 11/18/2010	B/MW-104(05) B/MW-104(05) 5/5/2011	B/MW-104(05) B/MW-104(05) 8/19/2014	B/MW-201(06) B/MW-201(06) 12/31/2006	B/MW-201(06) B/MW-201(06) 11/18/2010
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
BTEX															
Benzene	ug/L	71-43-2	1	**100**	**130**	**82**	**8**	**150**	**2.7 J**	**1.9 J**	5 U	5 U	1 U	0.39 U	5 U
Toluene	ug/L	108-88-3	5	**130**	**160**	**6.6**	5 U	**8.1**	0.36 U	0.36 U	5 U	5 U	1 U	0.36 U	5 U
Ethylbenzene	ug/L	100-41-4	5	**120**	**140**	**53**	5 U	**10**	**1.3 J**	0.45 U	5 U	5 U	1 U	0.45 U	5 U
o-Xylene	ug/L	95-47-6	5	**96**	**110**	**28**			**3.2 J**	0.46 U				0.46 U	
m/p-Xylene	ug/L	179601-23-1	5	**220**	**260**	**35**			**6.2 J**	1.2 U				1.2 U	
Total Xylene	ug/L	1330-20-7	5				5 U	**31**			5 U	5 U	2 U		5 U
Total BTEX (ND=0)	ug/L	TBTEX_ND0	NE	**666**	**800**	**204.6**	**8**	**199.1**	**13.4**	**1.9**	ND	ND	ND	ND	ND
Other VOCs															
Acetone	ug/L	67-64-1	50*				10 U	10 U			10 U	10 U			10 U
Bromodichloromethane	ug/L	75-27-4	50*				5 U	5 U			5 U	5 U			5 U
Bromoform	ug/L	75-25-2	50*				5 UJ	5 U			5 UJ	5 U			5 UJ
Bromomethane	ug/L	74-83-9	5				5 UJ	5 U			5 UJ	5 U			5 UJ
Carbon disulfide	ug/L	75-15-0	60*				5 U	5 U			5 U	5 U			5 U
Carbon tetrachloride	ug/L	56-23-5	5				5 U	5 U			5 U	5 U			5 U
Chlorobenzene	ug/L	108-90-7	5				5 U	5 U			5 U	5 U			5 U
Chloroethane	ug/L	75-00-3	5				5 U	5 UJ			5 U	5 UJ			5 U
Chloroform	ug/L	67-66-3	7	**1.4 J**	**1.7 J**		5 U	5 U	**0.52 J**		5 U	5 U			5 U
Chloromethane	ug/L	74-87-3	5				5 U	5 U			5 U	5 U			5 U
Cyclohexane	ug/L	110-82-7	NE	**1.2 J**	**1.5 J**				0.36 U						
Dibromochloromethane	ug/L	124-48-1	50*				5 UJ	5 U			5 U	5 U			5 U
1,1-Dichloroethane	ug/L	75-34-3	5				5 UJ	5 U			5 UJ	5 U			5 UJ
1,2-Dichloroethane	ug/L	107-06-2	0.6				5 U	5 U			5 U	5 U			5 U
1,1-Dichloroethene	ug/L	75-35-4	0.07				5 U	5 U			5 U	5 U			5 U
cis-1,2-Dichloroethene	ug/L	156-59-2	5				5 U	5 U			5 U	5 U			5 U
trans-1,2-Dichloroethene	ug/L	156-60-5	5				5 U	5 U			5 U	5 U			5 U
1,2-Dichloropropane	ug/L	78-87-5	1				5 U	5 U			5 U	5 U			5 U
cis-1,3-Dichloropropene	ug/L	10061-01-5	0.4				5 U	5 U			5 U	5 U			5 U
trans-1,3-Dichloropropene	ug/L	10061-02-6	0.4				5 U	5 U			5 U	5 U			5 U
2-Hexanone	ug/L	591-78-6	50*				10 U	10 U			10 U	10 U			10 U
Isopropyl benzene	ug/L	98-82-8	5	**4.3 J**	**5.5**				0.44 U						
Methyl ethyl ketone (2-Butanone)	ug/L	78-93-3	50*				10 U	10 U			10 U	10 U			10 U
4-Methyl-2-pentanone (MIBK)	ug/L	108-10-1	NE				10 U	10 U			10 U	10 U			10 U
Methylcyclohexane	ug/L	108-87-2	NE	**5.9**	**6.5**				0.34 U						
Methylene chloride	ug/L	75-09-2	5				5 U	5 U			5 U	5 U			5 U
Styrene	ug/L	100-42-5	5	**13**	**15**		5 U	5 U	0.41 U		5 U	5 U			5 U
1,1,2,2-Tetrachloroethane	ug/L	79-34-5	5				5 UJ	5 U			5 U	5 U			5 U
Tetrachloroethene (PCE)	ug/L	127-18-4	5				5 U	5 U			5 U	5 U			5 U
1,1,1-Trichloroethane (TCA)	ug/L	71-55-6	5				5 U	5 U			5 U	5 U			5 U
1,1,2-Trichloroethane	ug/L	79-00-5	1				5 U	5 U			5 U	5 U			5 U
Trichloroethene (TCE)	ug/L	79-01-6	5				5 U	5 U			5 U	5 U			5 U
Vinyl chloride	ug/L	75-01-4	2				5 U	5 U			5 U	5 U			5 U

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)
Sample Name				B/MW-103(05)	B/MW-Dup 2005(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)
Sample Date				12/20/2005	12/20/2005	12/31/2006	11/19/2010	5/6/2011	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	12/31/2006	11/18/2010
Parent Sample Code					B/MW-103(05)										
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
NYSDEC PAH17															
Acenaphthene	ug/L	83-32-9	20*	**84**	**97**	**67 JD**	**27**	**25**	**14**	**22 JD**	4.3 U	4 U	10 U	1.4 U	4.3 U
Acenaphthylene	ug/L	208-96-8	NE	**100**	**120**	**60 JD**	**4.6**	**2.5 J**	**3.6 J**	**25 JD**	4.3 U	4 U	10 U	1.3 U	4.3 U
Anthracene	ug/L	120-12-7	50*	**19**	**15**	**33 JD**	**0.55 J**	**0.4 J**	**7.2 J**	**32 JD**	4.3 U	4 U	10 U	1.4 U	4.3 U
Benzo(a)anthracene	ug/L	56-55-3	0.002*	**3.3 J**	**1.9 J**	**21 JD**	**0.46 J**	**0.45 J**	**2.2 J**	**56 D**	4.3 U	4 U	1 U	1.1 U	4.3 U
Benzo(b)fluoranthene	ug/L	205-99-2	0.002*	**2.2 J**	**1.3 J**	**17 JD**	4.5 U	**1.2 J**	**1.6 J**	**47 JD**	4.3 U	4 U	1 U	0.76 U	4.3 U
Benzo(k)fluoranthene	ug/L	207-08-9	0.002*			20 UD	4.5 U	**0.99 J**		**31 JD**	4.3 U	4 U	1 U	1.9 U	4.3 U
Benzo(g,h,i)perylene	ug/L	191-24-2	NE	**1.3 J**	1.1 UJ	11 UD	4.5 U	4 U	1.1 UJ	36 UD	4.3 U	4 UJ	10 U	1.1 U	4.3 U
Benzo(a)pyrene	ug/L	50-32-8	ND	**2.1 J**	1.2 U	**18 JD**	4.5 U	4 U	**1.6 J**	**10 JD**	4.3 U	4 U	1 U	1.2 U	4.3 U
Chrysene	ug/L	218-01-9	0.002*	**1.7 J**	1.7 U	17 UD	4.5 U	**0.27 J**	**2 J**	**50 JD**	4.3 U	4 U	10 U	1.7 U	4.3 U
Dibenz(a,h)anthracene	ug/L	53-70-3	NE			9 UD	4.5 U	4 U		4.4 UD	4.3 U	4 U	1 U	0.87 U	4.3 U
Fluoranthene	ug/L	206-44-0	50*	**27 JD**	**26 JD**	**76 JD**	**8**	**7.9**	**9.3 J**	**73 D**	4.3 U	4 U	10 U	1.2 U	4.3 U
Fluorene	ug/L	86-73-7	50*	**71**	**79 D**	**67 JD**	**13**	**9.4**	**17**	**21 JD**	4.3 U	4 U	10 U	1.4 U	4.3 U
Indeno(1,2,3-cd)pyrene	ug/L	193-39-5	0.002*	**1.5 J**	0.84 U	8.6 UD	4.5 U	4 U	**1 J**	**28 JD**	4.3 U	4 U	1 U	0.84 U	4.3 U
2-Methylnaphthalene	ug/L	91-57-6	NE	**160**	**200**		4.5 U	4 U	1.1 U		4.3 U	4 U	10 U		4.3 U
Naphthalene	ug/L	91-20-3	10*	**2000**	**2200**	**470 D**	4.5 U	**7.6**	1.4 U	**7.6 JD**	4.3 U	4 U	10 U	1.4 U	4.3 U
Phenanthrene	ug/L	85-01-8	50*	**130**	**130**	**170 D**	**7.7**	**2.8 J**	**24**	**89 D**	4.3 U	4 U	10 U	1.4 U	4.3 U
Pyrene	ug/L	129-00-0	50*	**17**	**13**	**60 JD**	**5.2**	**5.2**	**6.2 J**	**160 D**	4.3 U	4 U	10 U	1.5 U	4.3 U
Total PAH (16) (ND=0)	ug/L	TPAH16_ND0	NE	**2460.1**	**2683.2**	**1059**	**66.51**	**63.71**	**89.7**	**651.6**	ND	ND	ND	ND	ND
Total PAH (17) (ND=0)	ug/L	TPAH17_ND0	NE	**2620.1**	**2883.2**	**1059**	**66.51**	**63.71**	**89.7**	**651.6**	ND	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs															
Benzyl alcohol	ug/L	100-51-6	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
Bis(2-chloroethoxy)methane	ug/L	111-91-1	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Bis(2-chloroethyl)ether	ug/L	111-44-4	1				4.5 U	4 U			4.3 U	4 U			4.3 U
Bis(chloroisopropyl)ether	ug/L	108-60-1	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Bis(2-ethylhexyl)phthalate	ug/L	117-81-7	5				4.5 U	4 U			4.3 U	4 U			4.3 U
4-Bromophenyl phenyl ether	ug/L	101-55-3	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
Butyl benzyl phthalate	ug/L	85-68-7	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
Carbazole	ug/L	86-74-8	NE	**92**	**100**		**5.2**	**2.7 J**	**13**		4.3 U	4 U			4.3 U
4-Chloro-3-methylphenol	ug/L	59-50-7	NE				5.6 U	5 U			5.3 U	5 U			5.4 U
4-Chloroaniline	ug/L	106-47-8	5				4.5 U				4.3 U				4.3 U
2-Chloronaphthalene	ug/L	91-58-7	10*				4.5 U	4 U			4.3 U	4 U			4.3 U
2-Chlorophenol	ug/L	95-57-8	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
4-Chlorophenyl phenyl ether	ug/L	7005-72-3	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
Dibenzofuran	ug/L	132-64-9	NE	**76**	**88**		**6.4**	**3.3 J**	**6.9 J**		4.3 U	4 U			4.3 U
1,2-Dichlorobenzene	ug/L	95-50-1	3				4.5 U	4 U			4.3 U	4 U			4.3 U
1,3-Dichlorobenzene	ug/L	541-73-1	3								4.3 U	4 U			4.3 U
1,4-Dichlorobenzene	ug/L	106-46-7	3								4.3 U	4 U			4.3 U
3,3-Dichlorobenzidine	ug/L	91-94-1	5				4.5 U	4 U			4.3 U	4 U			4.3 U
2,4-Dichlorophenol	ug/L	120-83-2	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Diethyl phthalate	ug/L	84-66-2	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
Dimethyl phthalate	ug/L	131-11-3	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
2,4-Dimethylphenol	ug/L	105-67-9	50*				4.5 U	**7.3**			4.3 U	4 U			4.3 U
Di-n-butyl phthalate	ug/L	84-74-2	50				4.5 U	4 U			4.3 U	4 U			4.3 U
4,6-Dinitro-2-methylphenol	ug/L	534-52-1	NE				28 U	25 U			27 U	25 U			27 U
2,4-Dinitrophenol	ug/L	51-28-5	10*				28 U	25 U			27 U	25 U			27 U
2,4-Dinitrotoluene	ug/L	121-14-2	5				4.5 U	4 U			4.3 U	4 U			4.3 U

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample Code				B/MW-103(05) B/MW-103(05) 12/20/2005	B/MW-103(05) B/MW-Dup 2005(05) 12/20/2005 B/MW-103(05)	B/MW-103(05) B/MW-103(05) 12/31/2006	B/MW-103(05) B/MW-103(05) 11/19/2010	B/MW-103(05) B/MW-103(05) 5/6/2011	B/MW-104(05) B/MW-104(05) 12/20/2005	B/MW-104(05) B/MW-104(05) 12/28/2006	B/MW-104(05) B/MW-104(05) 11/18/2010	B/MW-104(05) B/MW-104(05) 5/5/2011	B/MW-104(05) B/MW-104(05) 8/19/2014	B/MW-201(06) B/MW-201(06) 12/31/2006	B/MW-201(06) B/MW-201(06) 11/18/2010
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
2,6-Dinitrotoluene	ug/L	606-20-2	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Di-n-octyl phthalate	ug/L	117-84-0	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
Hexachlorobenzene	ug/L	118-74-1	0.04				4.5 U	4 U			4.3 U	4 U			4.3 U
Hexachlorobutadiene (C-46)	ug/L	87-68-3	0.5				4.5 U	4 U			4.3 U	4 UJ			4.3 U
Hexachlorocyclopentadiene	ug/L	77-47-4	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Hexachloroethane	ug/L	67-72-1	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Isophorone	ug/L	78-59-1	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
2-Methylphenol (o-Cresol)	ug/L	95-48-7	1				4.5 U	**3.4 J**			4.3 U	4 U			4.3 U
4-Methylphenol (p-Cresol)	ug/L	106-44-5	1				4.5 U	**0.95 J**			4.3 U	4 U			4.3 U
2-Nitroaniline	ug/L	88-74-4	5				4.5 U	4 U			4.3 U	4 U			4.3 U
3-Nitroaniline	ug/L	99-09-2	5				4.5 U	4 U			4.3 U	4 U			4.3 U
4-Nitroaniline	ug/L	100-01-6	5				4.5 U	4 U			4.3 U	4 U			4.3 U
Nitrobenzene	ug/L	98-95-3	0.4				4.5 U	4 U			4.3 U	4 U			4.3 U
2-Nitrophenol	ug/L	88-75-5	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
4-Nitrophenol	ug/L	100-02-7	NE				11 U	10 U			11 U	10 U			11 U
N-Nitrosodiphenylamine (NDFA)	ug/L	86-30-6	50*				4.5 U	4 U			4.3 U	4 U			4.3 U
N-Nitrosodi-n-propylamine (NDPA)	ug/L	621-64-7	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
Pentachlorophenol	ug/L	87-86-5	1				28 U	25 U			27 U	25 U			27 U
Phenol	ug/L	108-95-2	1				4.5 U	**1.2 J**			4.3 U	4 U			4.3 U
1,2,4-Trichlorobenzene	ug/L	120-82-1	5				4.5 U	4 U			4.3 U	4 U			4.3 U
2,4,5-Trichlorophenol	ug/L	95-95-4	NE				11 U	10 U			11 U	10 U			11 U
2,4,6-Trichlorophenol	ug/L	88-06-2	NE				4.5 U	4 U			4.3 U	4 U			4.3 U
PCB Aroclors															
Total PCBs (Lab calculated)	ug/L	1336-36-3	0.09	0	0				0						
Pesticides															
Aldrin	ug/L	309-00-2	ND	0.031 U	0.03 U				0.031 U						
delta-BHC (delta-Hexachlorocyclohexane)	ug/L	319-86-8	0.04	**0.1**	**0.11**				0.007 U						
4,4-DDD (p,p-DDD)	ug/L	72-54-8	0.3	**0.11**	**0.12**				0.007 U						
Total Metals															
Aluminum	ug/L	7429-90-5	NE	**5100 J**	**5040 J**		**91.4 J**	250 U	**17900 J**		**70.6 J**	**36.2 J**			250 U
Antimony	ug/L	7440-36-0	3	3.17 U	3.17 U		15 U	15 U	**42.8 J**		15 U	15 U			15 U
Arsenic	ug/L	7440-38-2	25	**9 J**	**6.09 J**		15 U	**8.8 J**	**15.2 J**		15 U	15 U			15 U
Barium	ug/L	7440-39-3	1000	**198 J**	**162 J**		**276**	**271**	**271 J**		**74**	**70.3**			**105**
Beryllium	ug/L	7440-41-7	3*	**0.85 J**	**0.8 J**		5 U	5 U	**1.66 J**		5 U	5 U			5 U
Cadmium	ug/L	7440-43-9	5	0.327 U	0.327 U		5 U	5 U	0.327 U		5 U	5 U			5 U
Calcium	ug/L	7440-70-2	NE	**123000**	**95900**		**159000**	**148000**	**82200**		**131000**	**170000**			**92000**
Chromium	ug/L	7440-47-3	50	**5.91 J**	**5.55 J**		**0.53 J**	5 U	**21.3**		5 U	5 U			5 U
Cobalt	ug/L	7440-48-4	NE	0.37 U	0.37 U		5 U	5 U	**16.1 J**		5 U	5 U			5 U
Copper	ug/L	7440-50-8	200	**26.5**	**25.4**		10 U	10 U	**72.1**		**4.9 J**	**2.5 J**			**2.3 J**
Iron	ug/L	7439-89-6	300	**17700**	**15900**		**16000**	**12600**	**48700**		**456**	**147**			**20.6 J**
Lead	ug/L	7439-92-1	25	**15.7**	**12.6**		15 U	15 U	**72.3**		15 UJ	15 U			15 UJ
Magnesium	ug/L	7439-95-4	35000*	**38400**	**30300**		**50300**	**48000**	**24400**		**51600**	**89600**			**23100**
Manganese	ug/L	7439-96-5	300	**5470**	**4200**		**5980**	**5990**	**2820**		**1620**	**13.9**			**131**
Mercury	ug/L	7439-97-6	0.7	**0.09 J**	**0.11 J**		0.4 U	0.2 U	**0.62 J**		0.4 U	0.2 U			0.4 U
Nickel	ug/L	7440-02-0	100	1.56 U	1.56 U		5 U	5 U	**14.8 J**		**2.4 J**	**1.2 J**			5 U
Potassium	ug/L	7440-09-7	NE	**15000 J**	**11200 J**		**15600**	**15700**	**20900 J**		**20600**	**24200**			**6740**
Selenium	ug/L	7782-49-2	10	3.04 U	3.04 U		38 U	38 U	3.04 U		38 U	38 U			38 U
Silver	ug/L	7440-22-4	50	**3.58 J**	**3.1 J**		5 U	**0.61 J**	**8.34 J**		5 U	5 U			5 U
Sodium	ug/L	7440-23-5	20000	**52400**	**52400**		**97600**	**111000**	332 U		**118000**	**190000**			**246000**
Thallium	ug/L	7440-28-0	0.5*	3.05 U	3.05 U		15 U	15 U	3.05 U		15 U	15 U			15 U
Vanadium	ug/L	7440-62-2	NE	0.701 U	0.701 U		**2.3 J**	**1.6 J**	**17.7 J**		**1.2 J**	5 U			5 U
Zinc	ug/L	7440-66-6	2000*	**62.8 J**	**56.5 J**		25 U	25 U	**136 J**		25 U	25 U			25 U
Cyanides															
Total Cyanide	ug/L	57-12-5	200	**0.071**	**0.067**		**115**	**127**	0.01 U		**19.6**	**5.9 J**			10 U

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample Code				B/MW-201(06) B/MW-201(06) 5/5/2011	B/MW-202(06) B/MW-202(06) 12/31/2006	B/MW-202(06) B/MW-Dup 2006(06) 12/31/2006 B/MW-202(06)	B/MW-202(06) B/MW-202(06) 11/18/2010	B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-301(10) B/MW-301(10) 11/18/2010	B/MW-301(10) B/MW-301(10) 5/5/2011
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
BTEX															
Benzene	ug/L	71-43-2	1	5 U	**1.6 J**	0.39 U	5 U	5 U	1 U	0.39 U	5 U	5 U	1 U	5 U	5 U
Toluene	ug/L	108-88-3	5	5 U	0.36 U	0.36 U	5 U	5 U	1 U	0.36 U	5 U	5 U	1 U	5 U	5 U
Ethylbenzene	ug/L	100-41-4	5	5 U	0.45 U	0.45 U	5 U	**1 J**	1 U	0.45 U	5 U	5 U	1 U	5 U	5 U
o-Xylene	ug/L	95-47-6	5		0.46 U	0.46 U				0.46 U					
m/p-Xylene	ug/L	179601-23-1	5		1.2 U	1.2 U				1.2 U					
Total Xylene	ug/L	1330-20-7	5	5 U			5 U	5 U	2 U		5 U	5 U	2 U	5 U	5 U
Total BTEX (ND=0)	ug/L	TBTEX_ND0	NE	ND	**1.6**	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND
Other VOCs															
Acetone	ug/L	67-64-1	50*	10 U			10 U	10 U			10 U	10 U		10 U	10 U
Bromodichloromethane	ug/L	75-27-4	50*	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Bromoform	ug/L	75-25-2	50*	5 U			5 UJ	5 U			5 UJ	5 U		5 UJ	5 U
Bromomethane	ug/L	74-83-9	5	5 U			5 UJ	5 U			5 UJ	5 U		5 UJ	5 U
Carbon disulfide	ug/L	75-15-0	60*	5 U			5 U	5 U			5 U	5 U		**0.97 J**	5 U
Carbon tetrachloride	ug/L	56-23-5	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Chlorobenzene	ug/L	108-90-7	5	5 U			5 U	**1.4 J**			5 U	5 U		5 U	5 U
Chloroethane	ug/L	75-00-3	5	5 UJ			5 U	5 UJ			5 U	5 UJ		5 U	5 UJ
Chloroform	ug/L	67-66-3	7	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Chloromethane	ug/L	74-87-3	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Cyclohexane	ug/L	110-82-7	NE												
Dibromochloromethane	ug/L	124-48-1	50*	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,1-Dichloroethane	ug/L	75-34-3	5	5 U			5 UJ	5 U			5 UJ	5 U		5 UJ	5 U
1,2-Dichloroethane	ug/L	107-06-2	0.6	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,1-Dichloroethene	ug/L	75-35-4	0.07	5 U			5 U	5 U			5 U	5 U		5 U	5 U
cis-1,2-Dichloroethene	ug/L	156-59-2	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
trans-1,2-Dichloroethene	ug/L	156-60-5	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,2-Dichloropropane	ug/L	78-87-5	1	5 U			5 U	5 U			5 U	5 U		5 U	5 U
cis-1,3-Dichloropropene	ug/L	10061-01-5	0.4	5 U			5 U	5 U			5 U	5 U		5 U	5 U
trans-1,3-Dichloropropene	ug/L	10061-02-6	0.4	5 U			5 U	5 U			5 U	5 U		5 U	5 U
2-Hexanone	ug/L	591-78-6	50*	10 U			10 U	10 U			10 U	10 U		10 U	10 U
Isopropyl benzene	ug/L	98-82-8	5												
Methyl ethyl ketone (2-Butanone)	ug/L	78-93-3	50*	10 U			10 U	10 U			10 U	10 U		10 U	10 U
4-Methyl-2-pentanone (MIBK)	ug/L	108-10-1	NE	10 U			10 U	10 U			10 U	10 U		10 U	10 U
Methylcyclohexane	ug/L	108-87-2	NE												
Methylene chloride	ug/L	75-09-2	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Styrene	ug/L	100-42-5	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	79-34-5	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Tetrachloroethene (PCE)	ug/L	127-18-4	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,1,1-Trichloroethane (TCA)	ug/L	71-55-6	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
1,1,2-Trichloroethane	ug/L	79-00-5	1	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Trichloroethene (TCE)	ug/L	79-01-6	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Vinyl chloride	ug/L	75-01-4	2	5 U			5 U	5 U			5 U	5 U		5 U	5 U

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample Code				B/MW-201(06) B/MW-201(06) 5/5/2011	B/MW-202(06) B/MW-202(06) 12/31/2006	B/MW-202(06) B/MW-Dup 2006(06) 12/31/2006 B/MW-202(06)	B/MW-202(06) B/MW-202(06) 11/18/2010	B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-301(10) B/MW-301(10) 11/18/2010	B/MW-301(10) B/MW-301(10) 5/5/2011
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
NYSDEC PAH17															
Acenaphthene	ug/L	83-32-9	20*	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	1.4 U	4.2 U	4 U	10 U	4.4 U	4 U
Acenaphthylene	ug/L	208-96-8	NE	4 U	1.3 U	1.3 U	4.3 U	4 U	10 U	1.3 U	4.2 U	4 U	10 U	4.4 U	4 U
Anthracene	ug/L	120-12-7	50*	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	1.4 U	4.2 U	4 U	10 U	4.4 U	4 U
Benzo(a)anthracene	ug/L	56-55-3	0.002*	4 U	1.1 U	1.1 U	4.3 U	4 U	1 U	1.1 U	4.2 U	4 U	1 U	4.4 U	4 U
Benzo(b)fluoranthene	ug/L	205-99-2	0.002*	4 U	0.76 U	0.76 U	4.3 U	4 U	1 U	0.76 U	4.2 U	4 U	1 U	4.4 U	4 U
Benzo(k)fluoranthene	ug/L	207-08-9	0.002*	4 U	1.9 U	1.9 U	4.3 U	4 U	1 U	1.9 U	4.2 U	4 U	1 U	4.4 U	4 U
Benzo(g,h,i)perylene	ug/L	191-24-2	NE	4 UJ	1.1 U	1.1 U	4.3 U	4 U	10 U	1.1 U	4.2 U	4 UJ	10 U	4.4 U	4 UJ
Benzo(a)pyrene	ug/L	50-32-8	ND	4 U	1.2 U	1.2 U	4.3 U	4 U	1 U	1.2 U	4.2 U	4 U	1 U	4.4 U	4 U
Chrysene	ug/L	218-01-9	0.002*	4 U	1.7 U	1.7 U	4.3 U	4 U	10 U	1.7 U	4.2 U	4 U	10 U	4.4 U	4 U
Dibenz(a,h)anthracene	ug/L	53-70-3	NE	4 U	0.87 U	0.87 U	4.3 U	4 U	1 UJ	0.88 U	4.2 U	4 U	1 U	4.4 U	4 U
Fluoranthene	ug/L	206-44-0	50*	4 U	1.2 U	1.2 U	4.3 U	4 U	10 U	1.2 U	4.2 U	4 U	10 U	4.4 U	4 U
Fluorene	ug/L	86-73-7	50*	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	1.4 U	4.2 U	4 U	10 U	4.4 U	**0.33 J**
Indeno(1,2,3-cd)pyrene	ug/L	193-39-5	0.002*	4 U	0.84 U	0.84 U	4.3 U	4 U	1 U	0.84 U	4.2 U	4 U	1 U	4.4 U	4 U
2-Methylnaphthalene	ug/L	91-57-6	NE	4 U			4.3 U	4 U	10 U		4.2 U	4 U	10 U	4.4 U	4 U
Naphthalene	ug/L	91-20-3	10*	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	1.4 U	4.2 U	4 U	10 U	4.4 U	4 U
Phenanthrene	ug/L	85-01-8	50*	4 U	1.4 U	1.4 U	4.3 U	4 U	10 U	1.4 U	4.2 U	4 U	10 U	4.4 U	4 U
Pyrene	ug/L	129-00-0	50*	4 U	1.5 U	1.5 U	4.3 U	4 U	10 U	1.5 U	4.2 U	4 U	10 U	4.4 U	4 U
Total PAH (16) (ND=0)	ug/L	TPAH16_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.33**
Total PAH (17) (ND=0)	ug/L	TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.33**
NYSDEC PAH17 Other SVOCs															
Benzyl alcohol	ug/L	100-51-6	NE	4 U			4.3 U	4 U			**0.51 J**	4 U		4.4 U	4 U
Bis(2-chloroethoxy)methane	ug/L	111-91-1	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Bis(2-chloroethyl)ether	ug/L	111-44-4	1	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Bis(chloroisopropyl)ether	ug/L	108-60-1	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Bis(2-ethylhexyl)phthalate	ug/L	117-81-7	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Bromophenyl phenyl ether	ug/L	101-55-3	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Butyl benzyl phthalate	ug/L	85-68-7	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Carbazole	ug/L	86-74-8	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Chloro-3-methylphenol	ug/L	59-50-7	NE	5 U			5.3 U	5 U			5.3 U	5 U		5.5 U	5 U
4-Chloroaniline	ug/L	106-47-8	5				4.3 U				4.2 U			4.4 U	
2-Chloronaphthalene	ug/L	91-58-7	10*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2-Chlorophenol	ug/L	95-57-8	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Chlorophenyl phenyl ether	ug/L	7005-72-3	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Dibenzofuran	ug/L	132-64-9	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
1,2-Dichlorobenzene	ug/L	95-50-1	3	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
1,3-Dichlorobenzene	ug/L	541-73-1	3	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
1,4-Dichlorobenzene	ug/L	106-46-7	3	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
3,3-Dichlorobenzidine	ug/L	91-94-1	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2,4-Dichlorophenol	ug/L	120-83-2	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Diethyl phthalate	ug/L	84-66-2	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Dimethyl phthalate	ug/L	131-11-3	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2,4-Dimethylphenol	ug/L	105-67-9	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Di-n-butyl phthalate	ug/L	84-74-2	50	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4,6-Dinitro-2-methylphenol	ug/L	534-52-1	NE	25 U			27 U	25 U			26 U	25 U		27 U	25 U
2,4-Dinitrophenol	ug/L	51-28-5	10*	25 U			27 U	25 U			26 U	25 U		27 U	25 U
2,4-Dinitrotoluene	ug/L	121-14-2	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample Code				B/MW-201(06) B/MW-201(06) 5/5/2011	B/MW-202(06) B/MW-202(06) 12/31/2006	B/MW-202(06) B/MW-Dup 2006(06) 12/31/2006 B/MW-202(06)	B/MW-202(06) B/MW-202(06) 11/18/2010	B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-301(10) B/MW-301(10) 11/18/2010	B/MW-301(10) B/MW-301(10) 5/5/2011
Analyte	**Units**	**CAS No.**	**NYS AWQS**												
2,6-Dinitrotoluene	ug/L	606-20-2	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Di-n-octyl phthalate	ug/L	117-84-0	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Hexachlorobenzene	ug/L	118-74-1	0.04	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Hexachlorobutadiene (C-46)	ug/L	87-68-3	0.5	4 UJ			4.3 U	4 U			4.2 U	4 UJ		4.4 U	4 UJ
Hexachlorocyclopentadiene	ug/L	77-47-4	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Hexachloroethane	ug/L	67-72-1	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Isophorone	ug/L	78-59-1	50*	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2-Methylphenol (o-Cresol)	ug/L	95-48-7	1	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Methylphenol (p-Cresol)	ug/L	106-44-5	1	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2-Nitroaniline	ug/L	88-74-4	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
3-Nitroaniline	ug/L	99-09-2	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Nitroaniline	ug/L	100-01-6	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Nitrobenzene	ug/L	98-95-3	0.4	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2-Nitrophenol	ug/L	88-75-5	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
4-Nitrophenol	ug/L	100-02-7	NE	10 U			11 U	10 U			11 U	10 U		11 U	10 U
N-Nitrosodiphenylamine (NDFA)	ug/L	86-30-6	50*	4 U			4.3 UJ	4 U			4.2 U	4 U		4.4 U	4 U
N-Nitrosodi-n-propylamine (NDPA)	ug/L	621-64-7	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
Pentachlorophenol	ug/L	87-86-5	1	25 U			27 U	25 U			26 U	25 U		27 U	25 U
Phenol	ug/L	108-95-2	1	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
1,2,4-Trichlorobenzene	ug/L	120-82-1	5	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
2,4,5-Trichlorophenol	ug/L	95-95-4	NE	10 U			11 U	10 U			11 U	10 U		11 U	10 U
2,4,6-Trichlorophenol	ug/L	88-06-2	NE	4 U			4.3 U	4 U			4.2 U	4 U		4.4 U	4 U
PCB Aroclors															
Total PCBs (Lab calculated)	ug/L	1336-36-3	0.09												
Pesticides															
Aldrin	ug/L	309-00-2	ND												
delta-BHC (delta-Hexachlorocyclohexane)	ug/L	319-86-8	0.04												
4,4-DDD (p,p-DDD)	ug/L	72-54-8	0.3												
Total Metals															
Aluminum	ug/L	7429-90-5	NE	**22.8 J**			**18.6 J**	250 U			**36.9 J**	**269**		**75.1 J**	250 U
Antimony	ug/L	7440-36-0	3	15 U			15 U	15 U			15 U	15 U		15 U	15 U
Arsenic	ug/L	7440-38-2	25	15 U			15 U	15 U			15 U	15 U		15 U	15 U
Barium	ug/L	7440-39-3	1000	**179**			**90**	**86.9**			**102**	**197**		**239**	**270**
Beryllium	ug/L	7440-41-7	3*	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Cadmium	ug/L	7440-43-9	5	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Calcium	ug/L	7440-70-2	NE	**226000**			**138000**	**166000**			**67600**	**167000**		**139000**	**164000**
Chromium	ug/L	7440-47-3	50	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Cobalt	ug/L	7440-48-4	NE	5 U			5 U	5 U			5 U	**5 J**		5 U	5 U
Copper	ug/L	7440-50-8	200	**2.3 J**			**3.5 J**	**2.3 J**			**4.3 J**	**4 J**		**2.5 J**	**1.8 J**
Iron	ug/L	7439-89-6	300	**34.6 J**			**435**	**97.7 J**			**150**	**591**		**366**	**1700**
Lead	ug/L	7439-92-1	25	15 U			15 UJ	15 U			15 U	15 U		15 UJ	15 U
Magnesium	ug/L	7439-95-4	35000*	**53500**			**31900**	**42300**			**10900**	**29400**		**35600**	**45000**
Manganese	ug/L	7439-96-5	300	**16.2**			**1380**	**1360**			**1670**	**458**		**4450**	**3270**
Mercury	ug/L	7439-97-6	0.7	0.2 U			0.4 U	0.2 U			0.4 U	0.2 U		0.4 U	0.2 U
Nickel	ug/L	7440-02-0	100	5 U			**4.4 J**	**2 J**			**1.8 J**	**2 J**		**1.6 J**	**1.6 J**
Potassium	ug/L	7440-09-7	NE	**8920**			**24800**	**24000**			**13700**	**23600**		**18300**	**17000**
Selenium	ug/L	7782-49-2	10	38 U			38 U	38 U			38 U	38 U		38 U	38 U
Silver	ug/L	7440-22-4	50	5 U			5 U	5 U			5 U	5 U		5 U	5 U
Sodium	ug/L	7440-23-5	20000	**477000**			**276000**	**233000**			**350000**	**713000**		**379000**	**340000**
Thallium	ug/L	7440-28-0	0.5*	15 U			15 U	15 U			15 U	15 U		15 U	15 U
Vanadium	ug/L	7440-62-2	NE	5 U			**1.6 J**	**1.3 J**			**3 J**	**2.8 J**		**2.8 J**	**1.6 J**
Zinc	ug/L	7440-66-6	2000*	25 U			25 U	25 U			25 U	25 U		25 U	25 U
Cyanides															
Total Cyanide	ug/L	57-12-5	200	10 U			**4.1 J**	**6.5 J**			**5 J**	**3.9 J**		**3.1 J**	**3.6 J**

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014
Parent Sample Code									B/MW-324 (10)		B/MW-324(10)		
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
BTEX													
Benzene	ug/L	71-43-2	1	5 U	5 U	5 U	5 U	**1900**	**1900**	**700**	**670**	5 U	1 U
Toluene	ug/L	108-88-3	5	5 U	5 U	5 U	5 U	**77 J**	**80 J**	**130**	**130**	5 U	1 U
Ethylbenzene	ug/L	100-41-4	5	5 U	5 U	5 U	5 U	**380**	**390**	**480**	**460**	5 U	1 U
o-Xylene	ug/L	95-47-6	5										
m/p-Xylene	ug/L	179601-23-1	5										
Total Xylene	ug/L	1330-20-7	5	5 U	5 U	5 U	5 U	**610**	**620**	**480**	**470**	5 U	2 U
Total BTEX (ND=0)	ug/L	TBTEX_ND0	NE	ND	ND	ND	ND	**2967**	**2990**	**1790**	**1730**	ND	ND
Other VOCs													
Acetone	ug/L	67-64-1	50*	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U	10 U	
Bromodichloromethane	ug/L	75-27-4	50*	5 U	5 U	**2.1 J**	**3.3 J**	250 U	250 U	50 U	50 U	**1 J**	
Bromoform	ug/L	75-25-2	50*	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U	5 U	
Bromomethane	ug/L	74-83-9	5	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U	5 U	
Carbon disulfide	ug/L	75-15-0	60*	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Carbon tetrachloride	ug/L	56-23-5	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Chlorobenzene	ug/L	108-90-7	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Chloroethane	ug/L	75-00-3	5	5 U	5 UJ	5 U	5 UJ	250 U	250 U	50 UJ	50 UJ	5 UJ	
Chloroform	ug/L	67-66-3	7	5 U	5 U	**27**	**36**	250 U	250 U	50 U	50 U	**20**	
Chloromethane	ug/L	74-87-3	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Cyclohexane	ug/L	110-82-7	NE										
Dibromochloromethane	ug/L	124-48-1	50*	5 U	5 U	5 U	5 U	250 UJ	250 UJ	50 U	50 U	5 U	
1,1-Dichloroethane	ug/L	75-34-3	5	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U	5 U	
1,2-Dichloroethane	ug/L	107-06-2	0.6	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
1,1-Dichloroethene	ug/L	75-35-4	0.07	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
cis-1,2-Dichloroethene	ug/L	156-59-2	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
trans-1,2-Dichloroethene	ug/L	156-60-5	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
1,2-Dichloropropane	ug/L	78-87-5	1	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
cis-1,3-Dichloropropene	ug/L	10061-01-5	0.4	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
trans-1,3-Dichloropropene	ug/L	10061-02-6	0.4	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
2-Hexanone	ug/L	591-78-6	50*	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U	10 U	
Isopropyl benzene	ug/L	98-82-8	5										
Methyl ethyl ketone (2-Butanone)	ug/L	78-93-3	50*	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U	10 U	
4-Methyl-2-pentanone (MIBK)	ug/L	108-10-1	NE	10 U	10 U	10 U	10 U	500 UJ	500 UJ	100 U	100 U	10 U	
Methylcyclohexane	ug/L	108-87-2	NE										
Methylene chloride	ug/L	75-09-2	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Styrene	ug/L	100-42-5	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
1,1,2,2-Tetrachloroethane	ug/L	79-34-5	5	5 U	5 U	5 U	5 U	250 UJ	250 UJ	50 U	50 U	5 U	
Tetrachloroethene (PCE)	ug/L	127-18-4	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
1,1,1-Trichloroethane (TCA)	ug/L	71-55-6	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
1,1,2-Trichloroethane	ug/L	79-00-5	1	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Trichloroethene (TCE)	ug/L	79-01-6	5	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	
Vinyl chloride	ug/L	75-01-4	2	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U	5 U	

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014
Parent Sample Code									B/MW-324 (10)		B/MW-324(10)		
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
NYSDEC PAH17													
Acenaphthene	ug/L	83-32-9	20*	4.3 U	4 U	4.3 U	4 U	**170 J**	**160 J**	**210 J**	**190 J**	4 U	10 U
Acenaphthylene	ug/L	208-96-8	NE	4.3 U	4 U	4.3 U	4 U	**24 J**	**21 J**	**79 J**	**67 J**	4 U	10 U
Anthracene	ug/L	120-12-7	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	10 U
Benzo(a)anthracene	ug/L	56-55-3	0.002*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
Benzo(b)fluoranthene	ug/L	205-99-2	0.002*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
Benzo(k)fluoranthene	ug/L	207-08-9	0.002*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
Benzo(g,h,i)perylene	ug/L	191-24-2	NE	4.3 U	4 UJ	4.3 U	4 UJ	200 U	220 U	400 U	400 U	4 U	10 U
Benzo(a)pyrene	ug/L	50-32-8	ND	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
Chrysene	ug/L	218-01-9	0.002*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	10 U
Dibenz(a,h)anthracene	ug/L	53-70-3	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
Fluoranthene	ug/L	206-44-0	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	10 U
Fluorene	ug/L	86-73-7	50*	4.3 U	4 U	4.3 U	4 U	**78 J**	**73 J**	**100 J**	**92 J**	4 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	193-39-5	0.002*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	1 U
2-Methylnaphthalene	ug/L	91-57-6	NE	4.3 U	4 U	4.3 U	4 U	**150 J**	**130 J**	**230 J**	**200 J**	4 U	10 U
Naphthalene	ug/L	91-20-3	10*	4.3 U	4 U	4.3 U	4 U	**3800**	**3700**	**5000**	**4700**	4 U	10 U
Phenanthrene	ug/L	85-01-8	50*	4.3 U	4 U	4.3 U	4 U	**72 J**	**66 J**	**99 J**	**89 J**	4 U	10 U
Pyrene	ug/L	129-00-0	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	10 U
Total PAH (16) (ND=0)	ug/L	TPAH16_ND0	NE	ND	ND	ND	ND	**4144**	**4020**	**5488**	**5138**	ND	ND
Total PAH (17) (ND=0)	ug/L	TPAH17_ND0	NE	ND	ND	ND	ND	**4294**	**4150**	**5718**	**5338**	ND	ND
NYSDEC PAH17 Other SVOCs													
Benzyl alcohol	ug/L	100-51-6	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Bis(2-chloroethoxy)methane	ug/L	111-91-1	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Bis(2-chloroethyl)ether	ug/L	111-44-4	1	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Bis(chloroisopropyl)ether	ug/L	108-60-1	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Bis(2-ethylhexyl)phthalate	ug/L	117-81-7	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4-Bromophenyl phenyl ether	ug/L	101-55-3	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Butyl benzyl phthalate	ug/L	85-68-7	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Carbazole	ug/L	86-74-8	NE	4.3 U	4 U	4.3 U	4 U	**160 J**	**150 J**	**220 J**	**190 J**	4 U	
4-Chloro-3-methylphenol	ug/L	59-50-7	NE	5.3 U	5 U	5.4 U	5 U	250 U	270 U	500 U	500 U	5 U	
4-Chloroaniline	ug/L	106-47-8	5	4.3 U		4.3 U		200 U	220 U				
2-Chloronaphthalene	ug/L	91-58-7	10*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2-Chlorophenol	ug/L	95-57-8	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4-Chlorophenyl phenyl ether	ug/L	7005-72-3	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Dibenzofuran	ug/L	132-64-9	NE	4.3 U	4 U	4.3 U	4 U	**91 J**	**80 J**	**110 J**	**98 J**	4 U	
1,2-Dichlorobenzene	ug/L	95-50-1	3	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
1,3-Dichlorobenzene	ug/L	541-73-1	3	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
1,4-Dichlorobenzene	ug/L	106-46-7	3	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
3,3-Dichlorobenzidine	ug/L	91-94-1	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2,4-Dichlorophenol	ug/L	120-83-2	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Diethyl phthalate	ug/L	84-66-2	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Dimethyl phthalate	ug/L	131-11-3	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2,4-Dimethylphenol	ug/L	105-67-9	50*	4.3 U	4 U	4.3 U	4 U	**29 J**	**25 J**	**34 J**	**42 J**	4 U	
Di-n-butyl phthalate	ug/L	84-74-2	50	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4,6-Dinitro-2-methylphenol	ug/L	534-52-1	NE	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U	25 U	
2,4-Dinitrophenol	ug/L	51-28-5	10*	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U	25 U	
2,4-Dinitrotoluene	ug/L	121-14-2	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-404(11)	B/MW-404(11)
Sample Name				B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)	B/MW-404(11)	B/MW-404(11)
Sample Date				11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011	5/6/2011	8/19/2014
Parent Sample Code									B/MW-324 (10)		B/MW-324(10)		
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
2,6-Dinitrotoluene	ug/L	606-20-2	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Di-n-octyl phthalate	ug/L	117-84-0	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Hexachlorobenzene	ug/L	118-74-1	0.04	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Hexachlorobutadiene (C-46)	ug/L	87-68-3	0.5	4.3 U	4 UJ	4.3 U	4 UJ	200 U	220 U	400 U	400 U	4 U	
Hexachlorocyclopentadiene	ug/L	77-47-4	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Hexachloroethane	ug/L	67-72-1	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Isophorone	ug/L	78-59-1	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2-Methylphenol (o-Cresol)	ug/L	95-48-7	1	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4-Methylphenol (p-Cresol)	ug/L	106-44-5	1	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2-Nitroaniline	ug/L	88-74-4	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
3-Nitroaniline	ug/L	99-09-2	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4-Nitroaniline	ug/L	100-01-6	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Nitrobenzene	ug/L	98-95-3	0.4	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2-Nitrophenol	ug/L	88-75-5	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
4-Nitrophenol	ug/L	100-02-7	NE	11 U	10 U	11 U	10 U	500 U	540 U	1000 U	1000 U	10 U	
N-Nitrosodiphenylamine (NDFA)	ug/L	86-30-6	50*	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
N-Nitrosodi-n-propylamine (NDPA)	ug/L	621-64-7	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
Pentachlorophenol	ug/L	87-86-5	1	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U	25 U	
Phenol	ug/L	108-95-2	1	4.3 U	4 U	4.3 U	4 U	**14 J**	**17 J**	400 U	400 U	4 U	
1,2,4-Trichlorobenzene	ug/L	120-82-1	5	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
2,4,5-Trichlorophenol	ug/L	95-95-4	NE	11 U	10 U	11 U	10 U	500 U	540 U	1000 U	1000 U	10 U	
2,4,6-Trichlorophenol	ug/L	88-06-2	NE	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U	4 U	
PCB Aroclors													
Total PCBs (Lab calculated)	ug/L	1336-36-3	0.09										
Pesticides													
Aldrin	ug/L	309-00-2	ND										
delta-BHC (delta-Hexachlorocyclohexane)	ug/L	319-86-8	0.04										
4,4-DDD (p,p-DDD)	ug/L	72-54-8	0.3										
Total Metals													
Aluminum	ug/L	7429-90-5	NE	250 U	250 U	**14.6 J**	250 U	**22.1 J**	250 U	**12.4 J**	**12 J**	250 U	
Antimony	ug/L	7440-36-0	3	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	
Arsenic	ug/L	7440-38-2	25	15 U	15 U	15 U	15 U	**10.3 J**	**10.7 J**	**14.6 J**	**13.2 J**	15 U	
Barium	ug/L	7440-39-3	1000	**46.8**	**69.6**	**13.1**	**13.1**	**743**	**757**	**493**	**445**	**79.9**	
Beryllium	ug/L	7440-41-7	3*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Cadmium	ug/L	7440-43-9	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Calcium	ug/L	7440-70-2	NE	**115000**	**106000**	**29900**	**29700**	**220000**	**219000**	**293000**	**287000**	**43500**	
Chromium	ug/L	7440-47-3	50	5 U	**4.1 J**	5 U	5 U	**0.69 J**	**1.2 J**	5 U	5 U	5 U	
Cobalt	ug/L	7440-48-4	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Copper	ug/L	7440-50-8	200	**1.8 J**	10 U	**2.7 J**	10 U	10 U	10 U	**2.6 J**	10 U	10 U	
Iron	ug/L	7439-89-6	300	**62.1 J**	**27.9 J**	**16.7 J**	125 U	**24200**	**24500**	**23600**	**22400**	**16.6 J**	
Lead	ug/L	7439-92-1	25	15 UJ	15 U	15 UJ	15 U	15 U	15 U	15 U	15 U	15 U	
Magnesium	ug/L	7439-95-4	35000*	**39200**	**40700**	**4720**	**5670**	**86900**	**87000**	**106000**	**105000**	**10300**	
Manganese	ug/L	7439-96-5	300	**1360**	**140**	**0.49 J**	8 U	**7450**	**7520**	**2760**	**2500**	**92.1**	
Mercury	ug/L	7439-97-6	0.7	0.4 U	0.2 U	0.4 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	
Nickel	ug/L	7440-02-0	100	**2.1 J**	5 U	5 U	5 U	**1.3 J**	5 U	5 U	5 U	**1.7 J**	
Potassium	ug/L	7440-09-7	NE	**19900**	**21900**	**1510**	**1710**	**21500**	**21700**	**12600**	**11100**	**4380**	
Selenium	ug/L	7782-49-2	10	38 U	38 U	38 U	38 U	38 UJ	38 UJ	38 U	38 U	38 U	
Silver	ug/L	7440-22-4	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Sodium	ug/L	7440-23-5	20000	**147000**	**105000**	**17000**	**23500**	**292000**	**297000**	**470000**	**461000**	**45600**	
Thallium	ug/L	7440-28-0	0.5*	15 U	15 U	15 U	15 U	15 UJ	15 UJ	15 U	15 U	15 U	
Vanadium	ug/L	7440-62-2	NE	5 U	5 U	5 U	5 U	**2.5 J**	**2.6 J**	**1.3 J**	5 U	5 U	
Zinc	ug/L	7440-66-6	2000*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	
Cyanides													
Total Cyanide	ug/L	57-12-5	200	**137**	**74**	10 U	10 U	**67.3**	**50.7**	**44.4**	**42.3**	10 U	

Table 4. Groundwater Analysis Results
2014 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Notes:
Analytes in blue are not detected in any sample
Samples with blank results were not analyzed for that analyte or data is not available
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX, Total PAHs, Total SVOCs, and Total PCBs are calculated using detects only.

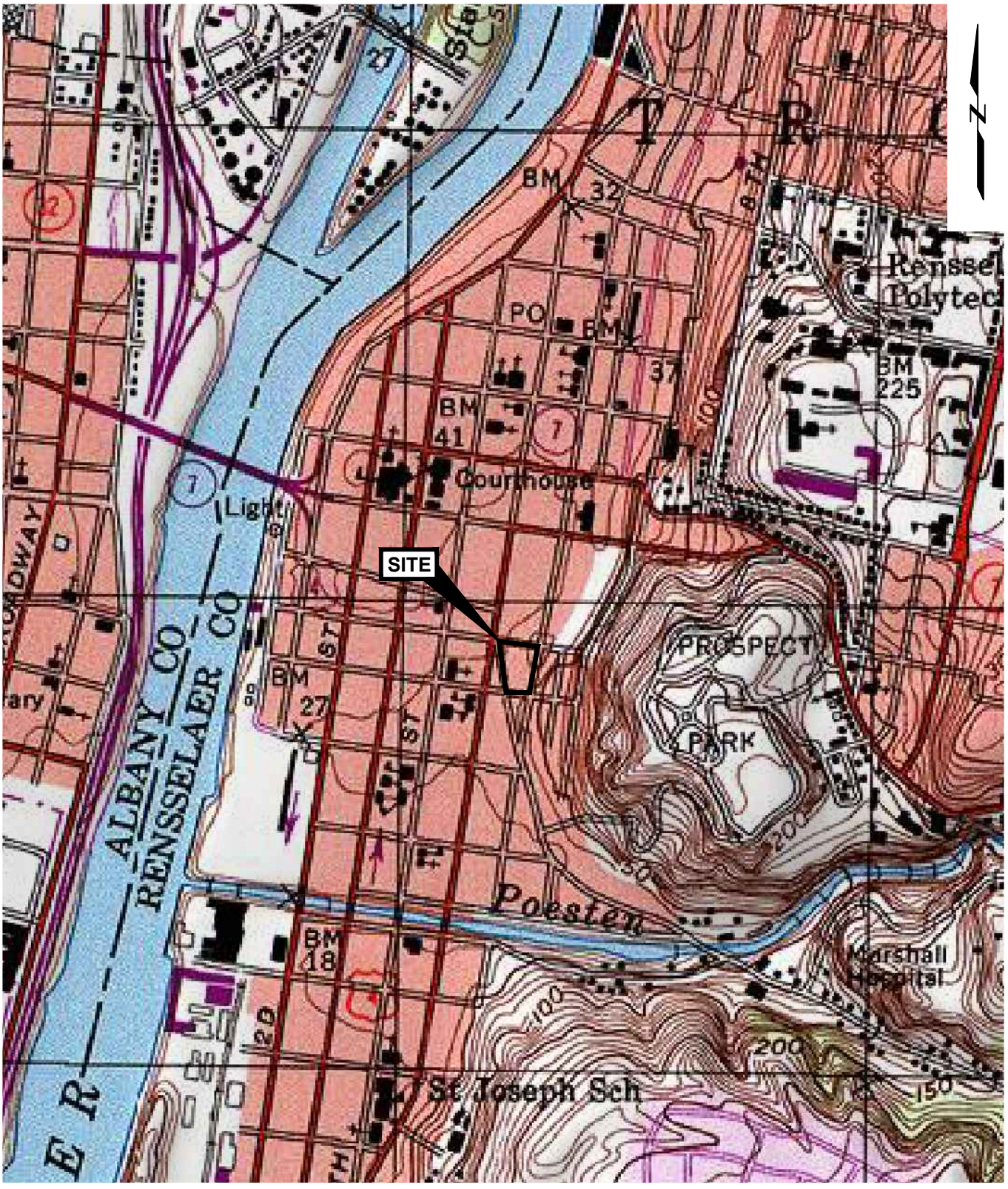
Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene,
Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
NE = Not Established
ND = Not Detected
NYSDEC = New York State Department of Environmental Conservation

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Validator Qualifiers:
D = The result is for a diluted sample.
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.



SOURCE: Map created with TOPO! ® © 2001 National Geographic (www.nationalgeographic.com/topo)

SCALE: 1" = 2000'

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-Owned Former MGP Site
City of Troy, Rensselaer County, New York

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SITE LOCATION PLAN

Project 093300-2-1209 | October 2014 | Fig. 1

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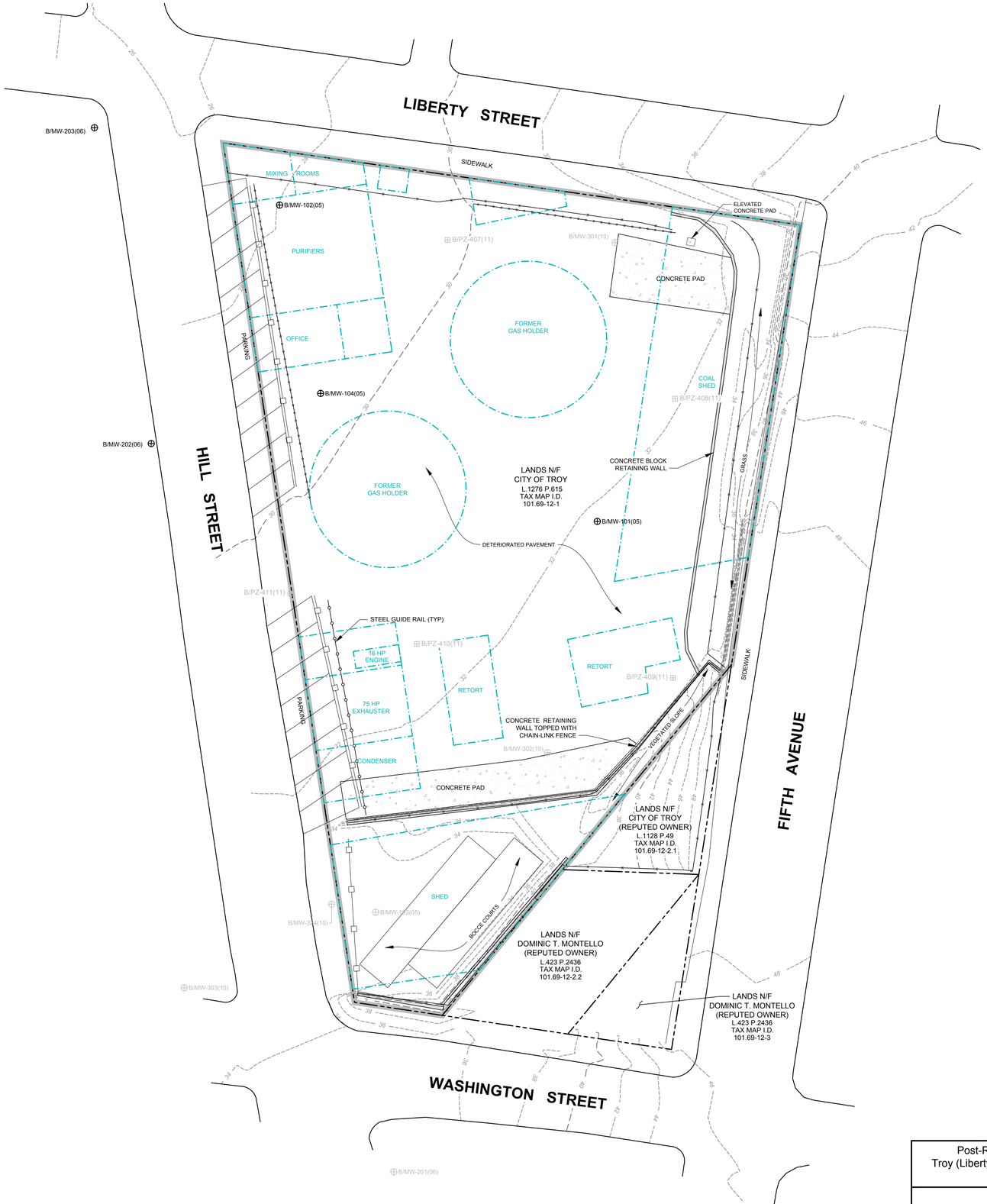

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 38 — GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- CONCRETE PAD
- ⊕B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- ⊕B/MW-201(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- ⊕B/MW-301(10) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2010)
- ⊕B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)
- ⊞B/PZ-407(11) — SOIL BORING/PIEZOMETER LOCATION (GEI, 2011)

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET,* CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

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HISTORIC STRUCTURES, CURRENT SITE CONDITIONS, AND MONITORING WELLS

Project 093300-2-1209 | October 2014 | Fig. 2

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Sample Name:	NYS	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)
Sample Date:	AWQS	12/28/2006	11/18/2010	5/5/2011	8/19/2014
BTEX (ug/L)					
Total BTEX (ND=0)	NE	ND	ND	ND	ND
PAHs					
Total PAHs (ND=0)	NE	ND	ND	ND	ND
Cyanides					
Total Cyanide	200	NA	**5 J**	**3.9 J**	NA

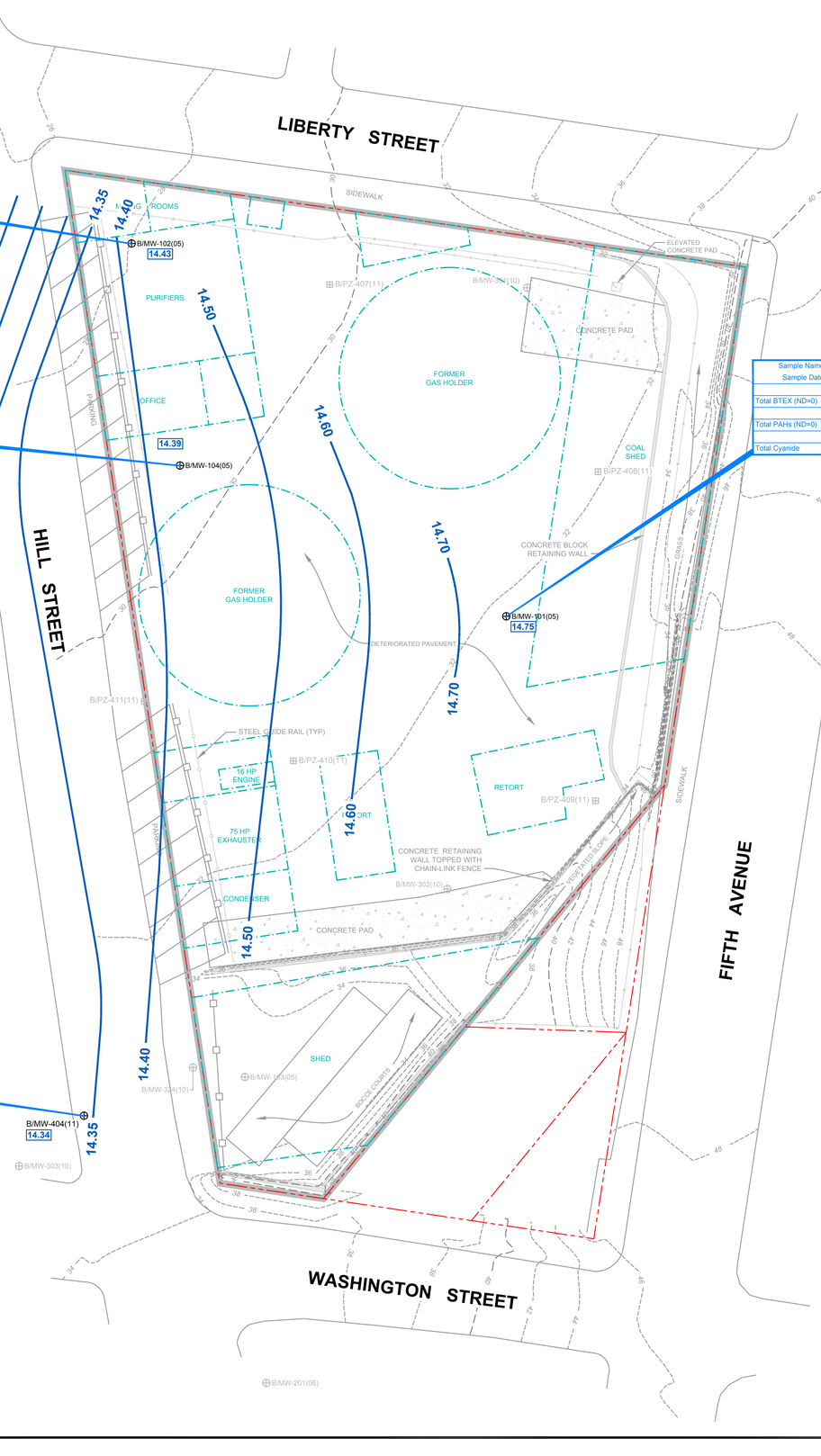
Sample Name:	NYS	B/MW-102(05)	B/MW-102(05)	B/MW-102 (05)	B/MW-102(05)	B/MW-102(05)	Duplicate of: B/MW-102(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014
BTEX (ug/L)							
Total BTEX (ND=0)	NE	**0.72**	ND	ND	ND	**0.086**	ND
PAHs (ug/L)							
Acenaphthene	20*	**42**	**15 JD**	4.4 U	4 U	10 U	11 U
Benzo(a)anthracene	0.002*	**2.7 J**	**39 JD**	4.4 U	4 U	**1.8**	**1.7**
Benzo(b)fluoranthene	0.002*	**3.0 J**	**40 JD**	4.4 U	4 U	**1.9**	**2.1**
Benzo(k)fluoranthene	0.002*	NA	**25 JD**	4.4 U	4 U	**0.82 J**	**0.81 J**
Benzo(a)pyrene	ND	**2.9 J**	**46 JD**	4.4 U	4 U	**1.8 J**	**1.9 J**
Chrysene	0.002*	**3 J**	**36 JD**	4.4 U	4 U	**2.2 J**	**1.6 J**
Fluoranthene	50*	**12**	**76 D**	4.4 U	4 U	**3.4 J**	**3.4 J**
Indeno(1,2,3-cd)pyrene	0.002*	**2.7 J**	**33 JD**	4.4 U	4 U	**0.89 J**	**0.55 J**
Pyrene	50*	**10 J**	**190 D**	4.4 U	4 U	**3.9 J**	**4 J**
Total PAHs (ND=0)	NE	**162.4**	**609.4**	ND	ND	**18.01**	**17.16**
Cyanides (ug/L)							
Total Cyanide	200	**0.965**	NA	**189**	**166**	NA	NA

Sample Name:	NYS	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014
BTEX (ug/L)						
Benzene	1	**2.7 J**	**1.9 J**	5 U	5 U	1 U
m/p-Xylene	5	**6.2 J**	1.2 U	NA	NA	NA
Total BTEX (ND=0)	NE	**13.4**	**1.9**	ND	ND	ND
PAHs (ug/L)						
Acenaphthene	20*	**14**	**22 JD**	4.3 U	4 U	10 U
Benzo(a)anthracene	0.002*	**2.2 J**	**56 D**	4.3 U	4 U	1 U
Benzo(b)fluoranthene	0.002*	**1.6 J**	**47 JD**	4.3 U	4 U	1 U
Benzo(k)fluoranthene	0.002*	NA	**31 JD**	4.3 U	4 U	1 U
Benzo(a)pyrene	ND	**1.6 J**	**10 JD**	4.3 U	4 U	1 U
Chrysene	0.002*	**2 J**	**50 JD**	4.3 U	4 U	10 U
Fluoranthene	50*	**9.3 J**	**73 D**	4.3 U	4 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	**1 J**	**28 JD**	4.3 U	4 U	1 U
Phenanthrene	50*	**24**	**89 D**	4.3 U	4 U	10 U
Pyrene	50*	**6.2 J**	**160 D**	4.3 U	4 U	10 U
Total PAHs (ND=0)	NE	**89.7**	**651.6000**	ND	ND	ND
Cyanides (ug/L)						
Total Cyanide	200	0.01 U	NA	**19.6**	**5.9 J**	NA

Sample Name:	NYS	B/MW-202(06)	Duplicate of B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
Sample Date:	AWQS	12/28/2006	12/28/2006	11/18/2010	5/6/2011	8/19/2014
BTEX (ug/L)						
Benzene	1	**1.6 J**	0.39 U	5 U	5 U	1 U
Total BTEX (ND=0)	NE	**1.6**	ND	ND	**1**	ND
PAHs (ug/L)						
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND
Cyanides (ug/L)						
Total Cyanide	200	NA	NA	**4.1 J**	**6.5 J**	NA

Sample Name:	NYS	B/MW-404(11)	B/MW-404(11)
Sample Date:	AWQS	5/6/2011	8/19/2014
BTEX (ug/L)			
Total BTEX (ND=0)	NE	ND	ND
Other VOCs (ug/L)			
Chloroform	7	**20**	NA
PAHs (ug/L)			
Total PAHs (ND=0)	NE	ND	ND
Cyanides			
Total Cyanide	200	10 U	NA

Sample Name:	NYS	B/MW-101(05)	B/MW-101(05)	B/MW-101 (05)	B/MW-101(05)	B/MW-101(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014
BTEX (ug/L)						
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND
PAHs (ug/L)						
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND
Cyanides (ug/L)						
Total Cyanide	200	0.010 U	NA	10 U	10 U	NA



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- FORMER GAS HOLDER
- CONCRETE PAD
- ⊕ B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- ⊕ B/MW-201(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- ⊕ B/MW-301(10) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2010)
- ⊕ B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)
- ⊞ B/PZ-407(11) — SOIL BORING/PIEZOMETER LOCATION (GEI, 2011)
- 14.0 — GROUNDWATER CONTOUR (FEET MSL) (2014)
- 14.0 — GROUNDWATER ELEVATION (FEET MSL) (2014)

ANALYTICAL BOX NOTES

NYS AWQS - New York State Ambient Water Quality Standards

100	COMPOUNDS THAT EXCEED NEW YORK STATE AMBIENT WATER QUALITY STANDARDS (NYS AWQS) AND GUIDANCE VALUES FOR GA GROUNDWATER
NA	NOT AVAILABLE, NOT APPLICABLE, OR NOT ANALYZED
ND	NOT DETECTED
NE	NOT ESTABLISHED
D	RESULTS FOR DILUTION
J	ESTIMATED VALUE
U	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
µg/L	MICROGRAMS PER LITER
*	VALUE IS A GUIDANCE, NOT A STANDARD

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.
3. THE CALL-OUT BOXES FOR EACH SAMPLE LOCATION PRESENT THE ANALYTICAL RESULTS FOR SPECIFIC COMPOUNDS WITH CONCENTRATIONS THAT EXCEED THE APPLICABLE STANDARD. IF INDIVIDUAL COMPOUND CONCENTRATIONS DO NOT EXCEED THE STANDARD, THEN THE SUMMARY RESULTS OF THE GROUP ARE LISTED (IE. TOTAL BTEX AND TOTAL PAHS). RESULT VALUES FOR NON-DETECTS ARE ASSIGNED ND.
4. MONITORING WELLS SHOWN IN GRAYSCALE WERE DECOMMISSIONED IN 2012.

0 20' 40'
SCALE: 1" = 20'

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET*, CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

nationalgrid

GEI Consultants

AUGUST 2014
OVERBURDEN GROUNDWATER CONTOURS (FT), AND GROUNDWATER ANALYTICAL DATA SUMMARY (µg/L)

Project 093300-2-1209 | October 2014 | Fig. 3

I:\Project\National Grid\TROY\LIBERTY_ST\Post RI\Drawings\Figures\093300_FIGURES.dwg - 10/6/2014

Site: Troy Liberty
Laboratory: Test America, Edison, NJ
Report Nos.: 460-81419-1, 460-81500-1
Reviewer: Lorie MacKinnon/GEI Consultants
Date: October 3, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
460-81419-1		
B/MW-104 (05)	460-81419-01	BTEX, PAH
B/MW-404 (11)	460-81419-02	BTEX, PAH
B/MW-203 (06)	460-81419-03	BTEX, PAH
B/MW-102 (05)	460-81419-04	BTEX, PAH
B/MW-501 (14)	460-81419-05	BTEX, PAH
B/MW-101 (05)	460-81419-06	BTEX, PAH
FB-081914	460-81419-07	BTEX, PAH
Trip Blank	460-81419-08	BTEX
460-81500-1		
B/MW-202 (06)	460-81500-01	BTEX, PAH
TB-082014	460-81500-02	BTEX
Associated QC Samples(s):	Field/Trip Blanks:	FB-081914, Trip blank, TB-082014
	Field Duplicate pair:	None associated

The above-listed aqueous samples, field blank, and trip blank samples were collected on August 14, 19, and 20, 2014 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270D. The data validation was performed in accordance with the following USEPA Region 2 Documents: Standard Operating Procedure (SOP) HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) and SOP HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013), modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks

- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards

NA
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

NA – A field duplicate pair was not associated with this sample set.

In general, the data appear usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data packages were found to be complete with the following exception:

- 460-81419 and 460-81500: It was determined that 2-methylnaphthalene was required as part of the PAH compound list. Data package revisions were requested to include this compound and were received for review.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

VOC

All initial and continuing criteria were met.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Compound	Standard ID/Associated Samples	QC Outlier	Calibration	Validation Qualifier
Dibenz(ah)anthracene	MS6 08/31: B/MW-202 (06)	XX	Continuing	(UJ) Affected result

X = Initial calibration (IC) relative standard deviation (%RSD) > 20 for; estimate (J) positive and blank-qualified (UJ) results only.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
RF = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The direction of the bias cannot be determined from the calibration nonconformances. The result can be used for project objectives as a nondetect with estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the associated method blank samples, trip blanks, and field blank sample.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample B/MW-404 (11) for VOCs and SVOCs. All criteria were met in the VOC analyses. The following table list the analytes recovered outside of control limits in the SVOC MS/MSD analyses and the resulting actions.

B/MW-404 (11)		
Analyte	**Exceedance**	**Validation Action/Bias**
2-Methylnaphthalene, fluorene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenz(ah)anthracene	MS and/or MSD UL	Validation action was not required as all affected results were nondetect and therefore not affected by the potential high bias or high precision result.

UL – Upper Limit recovery exceedance

LCS Results

VOCs

All criteria were met.

SVOCs

The following table lists the compounds recovered outside of control limits in the SVOC LCS and the resulting actions.

Compound	Exceedance	Associated Samples	Validation Action/Bias
Benzo(a)pyrene	LCS UL	All samples	Estimate (J) the positive results for benzo(a)pyrene in samples B/MW-102 (05) and B/MW501 (14); High bias.

UL – Upper Limit recovery exceedance

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL. These results were qualified as estimated (J) by the laboratory.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-104 (05)**

Lab Sample ID: 460-81419-1
Client Matrix: Water

Date Sampled: 08/19/2014 1400
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72559.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 1240			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 1240				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Bromofluorobenzene	101		64 - 135
Toluene-d8 (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	103		72 - 137

JAM 9/2/14

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-404 (11)**

Lab Sample ID: 460-81419-2
Client Matrix: Water

Date Sampled: 08/19/2014 0955
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-245128	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72605.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/26/2014 2248			Final Weight/Volume:	5 mL
Prep Date:	08/26/2014 2248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
Bromofluorobenzene	106		64 - 135
Toluene-d8 (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	98		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-203 (06)**

Lab Sample ID: 460-81419-3
Client Matrix: Water

Date Sampled: 08/19/2014 1130
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72560.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 1303			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 1303				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
Bromofluorobenzene	103		64 - 135
Toluene-d8 (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	102		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: B/MW-102 (05)

Lab Sample ID: 460-81419-4
Client Matrix: Water

Date Sampled: 08/19/2014 1245
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72561.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 1327			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.086	J	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
Bromofluorobenzene	101		64 - 135
Toluene-d8 (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	102		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-501 (14)**

Lab Sample ID: 460-81419-5
Client Matrix: Water

Date Sampled: 08/19/2014 1600
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72562.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 1352			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 1352				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
Bromofluorobenzene	102		64 - 135
Toluene-d8 (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	102		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-101 (05)**

Lab Sample ID: 460-81419-6
Client Matrix: Water

Date Sampled: 08/19/2014 1500
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72563.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 1416			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 1416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
Bromofluorobenzene	104		64 - 135
Toluene-d8 (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	105		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **FB-081914**

Lab Sample ID: 460-81419-7FB
Client Matrix: Water

Date Sampled: 08/19/2014 1630
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72549.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 0838			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 0838				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
Bromofluorobenzene	102		64 - 135
Toluene-d8 (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	101		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-81419-8TB
Client Matrix: Water

Date Sampled: 08/14/2014 1630
Date Received: 08/20/2014 0955

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-244718	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B72550.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/25/2014 0902			Final Weight/Volume:	5 mL
Prep Date:	08/25/2014 0902				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.080	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.10	1.0
Xylenes, Total	2.0	U	0.13	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
Bromofluorobenzene	102		64 - 135
Toluene-d8 (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	102		72 - 137

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-104 (05)**

Lab Sample ID: 460-81419-1
Client Matrix: Water

Date Sampled: 08/19/2014 1400
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84495.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/26/2014 0142			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.0	10
2-Methylnaphthalene	10	U	1.5	10
Acenaphthylene	10	U	1.8	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.7	10
Phenanthrene	10	U	1.2	10
Anthracene	10	U	0.85	10
Fluoranthene	10	U	1.1	10
Pyrene	10	U	1.1	10
Benzo[a]anthracene	1.0	U	0.18	1.0
Chrysene	10	U	1.4	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	0.93	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	100		60 - 114
Terphenyl-d14	114		72 - 130
2-Fluorobiphenyl	99		50 - 120

dam 10/01/14

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-404 (11)**

Lab Sample ID: 460-81419-2
Client Matrix: Water

Date Sampled: 08/19/2014 0955
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244708	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84456.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/25/2014 0912			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.1	10
2-Methylnaphthalene	10	U	1.6	10
Acenaphthylene	10	U	1.9	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.8	10
Phenanthrene	10	U	1.3	10
Anthracene	10	U	0.89	10
Fluoranthene	10	U	1.1	10
Pyrene	10	U	1.1	10
Benzo[a]anthracene	1.0	U	0.19	1.0
Chrysene	10	U	1.5	10
Benzo[b]fluoranthene	1.0	U	0.22	1.0
Benzo[k]fluoranthene	1.0	U	0.15	1.0
Benzo[a]pyrene	1.0	U	0.15	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.17	1.0
Benzo[g,h,i]perylene	10	U	0.97	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	94		60 - 114
Terphenyl-d14	114		72 - 130
2-Fluorobiphenyl	98		50 - 120

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-203 (06)**

Lab Sample ID: 460-81419-3
Client Matrix: Water

Date Sampled: 08/19/2014 1130
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84496.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/26/2014 0204			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.0	10
2-Methylnaphthalene	10	U	1.5	10
Acenaphthylene	10	U	1.8	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.7	10
Phenanthrene	10	U	1.2	10
Anthracene	10	U	0.85	10
Fluoranthene	10	U	1.1	10
Pyrene	10	U	1.1	10
Benzo[a]anthracene	1.0	U	0.18	1.0
Chrysene	10	U	1.4	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	0.93	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	94		60 - 114
Terphenyl-d14	108		72 - 130
2-Fluorobiphenyl	90		50 - 120

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: B/MW-102 (05)

Lab Sample ID: 460-81419-4
Client Matrix: Water

Date Sampled: 08/19/2014 1245
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84497.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/26/2014 0225			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.1	10
2-Methylnaphthalene	10	U	1.6	10
Acenaphthylene	10	U	1.9	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.8	10
Phenanthrene	10	U	1.3	10
Anthracene	1.3	J	0.89	10
Fluoranthene	3.4	J	1.1	10
Pyrene	3.9	J	1.1	10
Benzo[a]anthracene	1.8		0.19	1.0
Chrysene	2.2	J	1.5	10
Benzo[b]fluoranthene	1.9		0.22	1.0
Benzo[k]fluoranthene	0.82	J	0.15	1.0
Benzo[a]pyrene	1.8 J	J	0.15	1.0
Indeno[1,2,3-cd]pyrene	0.89	J	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.17	1.0
Benzo[g,h,i]perylene	10	U	0.97	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	105		60 - 114
Terphenyl-d14	117		72 - 130
2-Fluorobiphenyl	102		50 - 120

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-501 (14)**

Lab Sample ID: 460-81419-5
Client Matrix: Water

Date Sampled: 08/19/2014 1600
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84498.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	08/26/2014 0247			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	11	U	2.2	11
2-Methylnaphthalene	11	U	1.6	11
Acenaphthylene	11	U	2.0	11
Acenaphthene	11	U	1.2	11
Fluorene	11	U	1.8	11
Phenanthrene	11	U	1.3	11
Anthracene	11	U	0.92	11
Fluoranthene	3.4	J	1.2	11
Pyrene	4.0	J	1.2	11
Benzo[a]anthracene	1.7		0.20	1.1
Chrysene	1.6	J	1.5	11
Benzo[b]fluoranthene	2.1		0.23	1.1
Benzo[k]fluoranthene	0.81	J	0.15	1.1
Benzo[a]pyrene	1.9 J	J	0.15	1.1
Indeno[1,2,3-cd]pyrene	0.55	J	0.12	1.1
Dibenz(a,h)anthracene	1.1	U	0.17	1.1
Benzo[g,h,i]perylene	1.1	J	1.0	11

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	97		60 - 114
Terphenyl-d14	117		72 - 130
2-Fluorobiphenyl	99		50 - 120

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: **B/MW-101 (05)**

Lab Sample ID: 460-81419-6
Client Matrix: Water

Date Sampled: 08/19/2014 1500
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84499.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/26/2014 0308			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.1	10
2-Methylnaphthalene	10	U	1.6	10
Acenaphthylene	10	U	1.9	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.8	10
Phenanthrene	10	U	1.3	10
Anthracene	10	U	0.89	10
Fluoranthene	10	U	1.1	10
Pyrene	10	U	1.1	10
Benzo[a]anthracene	1.0	U	0.19	1.0
Chrysene	10	U	1.5	10
Benzo[b]fluoranthene	1.0	U	0.22	1.0
Benzo[k]fluoranthene	1.0	U	0.15	1.0
Benzo[a]pyrene	1.0	U	0.15	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.17	1.0
Benzo[g,h,i]perylene	10	U	0.97	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	102		60 - 114
Terphenyl-d14	113		72 - 130
2-Fluorobiphenyl	105		50 - 120

Client: GEI Consultants, Inc.

Job Number: 460-81419-1

Client Sample ID: FB-081914

Lab Sample ID: 460-81419-7FB
Client Matrix: Water

Date Sampled: 08/19/2014 1630
Date Received: 08/20/2014 0955

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-244876	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-244359	Lab File ID:	M84500.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/26/2014 0330			Final Weight/Volume:	2 mL
Prep Date:	08/22/2014 1116			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	2.0	10
2-Methylnaphthalene	10	U	1.5	10
Acenaphthylene	10	U	1.8	10
Acenaphthene	10	U	1.1	10
Fluorene	10	U	1.7	10
Phenanthrene	10	U	1.2	10
Anthracene	10	U	0.85	10
Fluoranthene	10	U	1.1	10
Pyrene	10	U	1.1	10
Benzo[a]anthracene	1.0	U	0.18	1.0
Chrysene	10	U	1.4	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[a]pyrene	1.0	U ↑	0.14	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	0.93	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	97		60 - 114
Terphenyl-d14	115		72 - 130
2-Fluorobiphenyl	102		50 - 120

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460-81419 Chain of Custody

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Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

08/29/2014

CHAIN OF CU

Page 1 of

Name (for report and invoice): Drew Bircher	Samplers Name (Printed): Nicholas Morong	Site/Project Identification: Troy Liberty Street
Company: GEI Consultants, Inc.	P. O. #	State Location of Site): NJ: ☐ NY: ☒ Other:
Address: 455 Winding Brook Drive	Analysis Turnaround Time: Standard ☒	Regulatory Program:
City: Glastonbury State: CT	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone: (860) 368-5300 Fax:		Job No: 81419

Sample Identification	Date	Time	Matrix	No. of Cont.	BTEX 8260	PAH 8270	Sample Numbers
B/MW-104(05)	8/19/14	1400	AQ	5	X	X	-1
B/MW-404(11)		0955			X	X	-2
B/MW-404(11) MS					X	X	-2
B/MW-404(11) MSD		↓			X	X	-2
B/MW-203(06)		1130			X	X	-3
B/MW-102(05)		1245			X	X	-4
B/MW-501(14)		1600			X	X	-5
B/MW-101(05)		1500			X	X	-6
FB-081914	↓	1630		↓	X	X	-7
Trip Blank	8/14/14	—	↓	3	X		-8
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = Other _____, 7 = Other _____				Soil:	1,2	1	
				Water:			

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	GEI Consultants, Inc.	8-19-14 / 16:00	1)	TA
2)	TA	8-19-14 / 18:00	2) FedEx	TA 60 8/20/14 9:55
3)		/	3)	R#5
4)		/	4) CS# 882181	0.3/2.2°C

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). Massachusetts (M-NJ312). North Carolina (No. 578)

TAL - 0016 (0408)

2015

James Morgan
Project Manager

November 11, 2015

Mr. Scott Deyette
Chief, Inspection Unit
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7012

Re: 2015 Post-Remediation Groundwater Sampling
Liberty Street Non-Owned Former Manufactured Gas Plant (MGP) Site
Troy, New York
NYSDEC Site # V000482

Dear Mr. Deyette:

On behalf of National Grid, GEI Consultants, Inc., P.C. (GEI) is providing you with this letter report which summarizes groundwater monitoring activities performed after the remediation and restoration of (Figure 1) the Liberty Street Non-Owned Former MGP Site in Troy, New York (the "Site"). Figure 2 presents former structures and current conditions.

The following piezometers and monitoring wells were decommissioned prior to remediation in 2014, with concurrence from New York State Department of Environmental Conservation:

- B/MW-103(05), B/MW-201(06), B/MW-301(10) through B/MW-303(10) and B/MW-324(10), and B/PZ-407(11) through B/PZ-411(11).

Table 1 presents the construction details for the wells that were sampled.

Field Procedures

A full round of groundwater gauging and sampling took place at the Site (Figure 2) on October 7, 2015. Groundwater samples were collected using low-flow sampling techniques with a peristaltic pump and YSI water quality sonde. Purge water was continuously monitored for pH, dissolved oxygen, oxidation-reduction potential, temperature, conductivity, and turbidity. When the purge parameters had stabilized to +/- 10%, samples were collected by directly filling clean sample containers provided by the laboratory. The samples were immediately placed on ice. Well sampling sheets are provided in Attachment A and final groundwater discharge parameters are provided in Table 2.

Alpha Analytical (Westboro, MA) analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) via United States Environmental Protection Agency (EPA) Method 8260B and polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270C.

Validation

Groundwater analytical data were validated per appropriate EPA guidance, consistent with New York State Analytical Services Protocol Category B guidance. The data usability summary reports and

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validated Form 1s are presented in Attachment B. All other laboratory data and documents are on file with GEI. These documents are available on request.

Groundwater Results Summary

Groundwater elevations are provided in Table 3. Groundwater contours and validated analytical data are summarized in Figure 3. The groundwater contours developed from the October 2015 gauging measurements are consistent with historical contours. Overburden groundwater flow direction at the Site is from the east to west and northwest.

October 2015 and historical groundwater analytical data are provided in Table 4.

BTEX and PAHs were not detected in any of the samples taken from wells in the SMP Groundwater monitoring program. The results demonstrate compliance with the New York State Ambient Water Quality Standards. Figure 3 shows the Site monitoring well locations and respective analytical results.

Waste Disposal

Purged ground water and decontamination fluids were containerized in a 55-gallon reconditioned steel drum and will be properly disposed of by Clean Harbors on behalf of National Grid.

If you have any questions or require additional information, please feel free to contact me at (315) 428-3101 or Jerry Zak (GEI Consultants, Inc., P.C.) at (860) 368-5404.

Sincerely,

for

James Morgan
Project Manager

Enclosures

JZ/ammH:\WPROC\Project\NationalGrid\NG-Troy-LibertySt093300\Post-Remediation GW Monitoring\2015\Troy Liberty GW Sampling 2015.docx

Tables

Table 1. Monitoring Well Construction Details
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Installed	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Total Boring Depth (ft, bgs)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Top of Sand Pack (ft, bgs)	Well Screen Material	Unit Screened
B/MW-101(05)	12/5/2005	32.15	31.99	30	17	27	27	23	14	2-in ID Sch 40 PVC factory slotted	f sand, silt, gravel
B/MW-102(05)	12/7/2005	28.05	27.60	17.5	7	17	17	12	5	2-in ID Sch 40 PVC factory slotted	f-m sand, silt
~~B/MW-103(05)~~	~~12/5/2005~~	~~33.38~~	~~33.13~~	~~30~~	~~18~~	~~28~~	~~28~~	~~23~~	~~16~~	~~2-in ID Sch 40 PVC factory slotted~~	~~f-m sand, silt, clay, gravel~~
B/MW-104(05)	12/6/2005	29.42	29.14	24	12	22	22	17	11	2-in ID Sch 40 PVC factory slotted	f-m sand, gravel
~~B/MW-201(06)~~	~~12/14/2006~~	~~35.01~~	~~34.62~~	~~25~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~clay, silt, sand~~
B/MW-202(06)	12/12/2006	28.68	28.10	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	clay, silt, sand, gravel
B/MW-203(06)	12/12/2006	26.06	25.32	20	9.5	19.5	19.5	14.5	8	2-in ID Sch 40 PVC 0.010" slot	f-c sand, silt
~~B/MW-301(10)~~	~~11/1/2010~~	~~31.14~~	~~30.81~~	~~35~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, silty sand, gravel, silt, clay~~
~~B/MW-302(10)~~	~~11/1/2010~~	~~33.02~~	~~32.60~~	~~35~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, silt~~
~~B/MW-303(10)~~	~~10/29/2010~~	~~33.35~~	~~32.97~~	~~45~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~clay, f-c sand~~
~~B/MW-324(10)~~	~~10/29/2010~~	~~33.09~~	~~32.63~~	~~45~~	~~14~~	~~24~~	~~26~~	~~19~~	~~12~~	~~2-in ID Sch 40 PVC 0.010" slot~~	~~silty f-c sand, gravel, clay~~
B/MW-404(11)	4/14/2011	33.33	32.95	30	14	24	24	19	12	2-in ID Sch 40 PVC 0.010" slot	f-c sand, gravel, silt
~~B/PZ-407(11)~~	~~4/12/2011~~	~~29.81~~	~~29.26~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~10~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~
~~B/PZ-408(11)~~	~~4/12/2011~~	~~31.87~~	~~31.53~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel~~
~~B/PZ-409(11)~~	~~4/12/2011~~	~~33.33~~	~~32.79~~	~~30~~	~~15~~	~~25~~	~~25~~	~~20~~	~~13~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~silty f-c sand, gravel~~
~~B/PZ-410(11)~~	~~4/12/2011~~	~~31.65~~	~~31.17~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~
~~B/PZ-411(11)~~	~~4/13/2011~~	~~30.61~~	~~30.21~~	~~30~~	~~14~~	~~24~~	~~24~~	~~19~~	~~12~~	~~1-in ID Sch 40 PVC 0.010" slot~~	~~f-c sand, gravel, clay~~

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988

ft, bgs - feet below ground surface

~~B/MW-103(05)~~ - Well decommissioned

~~B/PZ-407(11)~~ - Piezometer decommissioned

Table 2. Final Groundwater Discharge Parameters
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Date Sampled	Temperature (deg. C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (S.U.)	Oxidation-Reduction Potential (mV)	Turbidity (NTU)
B/MW-101(05)	11/18/2010	15.22	1548	14.26	6.78	137.4	3.1
B/MW-102(05)	11/19/2010	24.63	935	0.16	6.86	176.1	6.7
B/MW-103(05)	11/19/2010	13.84	1265	22.16	6.69	-151.0	10.6
B/MW-104(05)	11/18/2010	16.01	1052	20.72	6.53	79.0	6.2
B/MW-201(06)	11/18/2010	14.66	1224	19.55	6.6	130.9	0.3
B/MW-202(06)	11/18/2010	16.56	1644	26.80	6.38	128.9	8.3
B/MW-203(06)	11/18/2010	14.55	1473	1.86	7.06	316.4	5.8
B/MW-301(10)	11/18/2010	18.59	1876	0.97	6.96	121.0	9.8
B/MW-302(10)	11/18/2010	15.40	1013	0.67	7.30	357.1	2.6
B/MW-303(10)	11/18/2010	19.33	188	1.98	7.8	310.1	4.6
B/MW-324(10)	11/19/2010	17.00	2203	0.07	6.87	-47.2	-1.0
B/MW-101(05)	5/5/2011	12.77	1986	6.49	6.75	157	18.8
B/MW-102(05)	5/5/2011	11.50	1884	0.44	6.67	202.8	3.2
B/MW-103(05)	5/6/2011	14.06	1612	6.60	6.66	-165.7	5.3
B/MW-104(05)	5/5/2011	12.93	2078	2.03	6.55	151	2.7
B/MW-201(06)	5/5/2011	11.64	3299	7.18	6.67	150.3	5.0
B/MW-202(06)	5/6/2011	14.03	2228	6.99	6.45	45.7	1.3
B/MW-203(06)	5/5/2011	11.88	4767	2.42	6.91	111.1	0.0
B/MW-301(10)	5/5/2011	13.34	2883	12.00	6.67	-103.3	5.5
B/MW-302(10)	5/5/2011	12.53	1388	12.03	7.02	181	0.0
B/MW-303(10)	5/5/2011	9.02	352	27.29	8.02	80.8	0.2
B/MW-324(10)	5/6/2011	14.08	4558	0.51	5.43	-213.5	-10.7
B/MW-404(11)	5/6/2011	9.95	522	46.70	5.55	205.2	-5.6
B/MW-101(05)	8/19/2014	17.50	1260	1.40	6.76	-13.8	1.4
B/MW-102(05)	8/19/2014	18.60	956	0.01	6.45	39.9	1.0
B/MW-104(05)	8/19/2014	17.00	1597	0.02	6.21	-4.0	0.1
B/MW-202(06)	8/19/2014	16.80	2152	0.06	6.17	-27.2	2.6
B/MW-203(06)	8/19/2014	17.30	3135	0.02	6.36	-33.9	8.2
B/MW-404(11)	8/19/2014	19.90	339	2.09	6.69	41.0	0.2
B/MW-101(05)	10/7/2015	17.01	1368	2.00	7.13	128.3	1.01
B/MW-102(05)	10/7/2015	19.34	1416	0.26	6.80	258.3	4.10
B/MW-104(05)	10/7/2015	17.60	1589	0.32	6.72	135.3	5.13
B/MW-202(06)	10/7/2015	17.54	2410	0.31	6.58	137.5	4.91
B/MW-203(06)	10/7/2015	19.01	2806	0.77	6.97	182.5	5.53
B/MW-404(11)	10/7/2015	17.18	1315	0.35	6.50	146.5	3.15

Notes:

deg. C - degrees Celsius
mS/cm - milliSiemens per centimeter
mg/L - milligrams per liter
S.U. - Standard units
mV - milliVolts
NTU - Nephelometric Turbidity Units

Table 3. Groundwater Elevations
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Northing	Easting	Ground Surface Elevation (ft, NAVD88)	Top of PVC Casing Elevation (ft, NAVD88)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Bottom (ft, bgs)	Screen Midpoint (ft, bgs)	Depth to Water (12/2005) (ft, bgs)	Groundwater Elevation (12/2005) (ft, NAVD88)	Depth to Water (12/2006) (ft, bgs)	Groundwater Elevation (12/2006) (ft, NAVD88)	Depth to Water (11/18/10) (ft, bgs)	Groundwater Elevation (11/18/10) (ft, NAVD88)
B/MW-101(05)	1418713.7909	709904.0096	32.15	31.99	17	27	27	23	NA	15.12	NA	14.43	17.57	14.42
B/MW-102(05)	1418829.6033	709787.6836	28.05	27.60	7	17	17	12	NA	14.84	NA	14.15	13.65	13.95
B/MW-103(05)	1418570.6710	709822.8544	33.38	33.13	18	28	28	23	NA	14.68	NA	13.95	19.25	13.88
B/MW-104(05)	1418760.6340	709802.7049	29.42	29.14	12	22	22	17	NA	14.67	NA	13.95	15.21	13.93
B/MW-201(06)	1418475.6220	709829.4970	35.01	34.62	14	24	24	19	--	--	NA	14.00	20.80	13.82
B/MW-202(06)	1418742.2620	709740.6720	28.68	28.10	9.5	19.5	19.5	14.5	--	--	NA	14.18	14.20	13.90
B/MW-203(06)	1418857.9290	709719.8990	26.06	25.32	9.5	19.5	19.5	14.5	--	--	NA	14.50	11.70	13.62
B/MW-301(10)	1418812.6260	709911.3770	31.14	30.81	15	25	25	20	--	--	--	--	16.85	13.96
B/MW-302(10)	1418625.7960	709886.5990	33.02	32.60	15	25	25	20	--	--	--	--	18.73	13.87
B/MW-303(10)	1418539.6000	709753.7880	33.35	32.97	14	24	24	19	--	--	--	--	16.65	16.32
B/MW-324(10)	1418570.3330	709807.5630	33.09	32.63	14	24	26	19	--	--	--	--	18.73	13.9
B/MW-404(11)	1418558.6354	709772.8932	33.33	32.95	14	24	24	19	--	--	--	--	--	--
B/PZ-407(11)	1418816.8233	709849.1786	29.81	29.26	14	24	24	19	--	--	--	--	--	--
B/PZ-408(11)	1418758.7155	709932.5038	31.87	31.53	14	24	24	19	--	--	--	--	--	--
B/PZ-409(11)	1418656.4867	709931.7253	33.33	32.79	15	25	25	20	--	--	--	--	--	--
B/PZ-410(11)	1418668.8797	709837.9031	31.65	31.17	14	24	24	19	--	--	--	--	--	--
B/PZ-411(11)	1418687.3890	709791.6188	30.61	30.21	14	24	24	19	--	--	--	--	--	--

Table 3. Groundwater Elevations
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Well ID	Depth to Water (3/1/11) (ft, bgs)	Groundwater Elevation (3/1/11) (ft, NAVD88)	Depth to Water (4/13/11) (ft, bgs)	Groundwater Elevation (4/13/11) (ft, NAVD88)	Depth to Water (5/4/11) (ft, bgs)	Groundwater Elevation (5/4/11) (ft, NAVD88)	Depth to Water (8/19/2014) (ft, bgs)	Groundwater Elevation (8/19/2014) (ft, NAVD88)	Depth to Water (10/07/2015) (ft, bgs)	Groundwater Elevation (10/07/2015) (ft, NAVD88)
B/MW-101(05)	NM	NM	16.00	15.99	16.06	15.93	17.24	14.75	17.82	14.17
B/MW-102(05)	13.43	14.17	12.10	15.50	12.15	15.45	13.17	14.43	13.8	13.8
B/MW-103(05)	19.06	14.07	17.62	15.51	17.66	15.47	NM	NM	NM	NM
B/MW-104(05)	15.00	14.14	13.64	15.50	13.64	15.50	14.75	14.39	15.32	13.82
B/MW-201(06)	20.62	14.00	19.15	15.47	19.2	15.42	NM	NM	NM	NM
B/MW-202(06)	NM	NM	12.70	15.40	NM	NM	13.76	14.34	14.31	13.79
B/MW-203(06)	NM	NM	10.18	15.14	10.25	15.07	11.33	13.99	11.89	13.43
B/MW-301(10)	16.64	14.17	15.30	15.51	15.35	15.46	NM	NM	NM	NM
B/MW-302(10)	NM	NM	17.09	15.51	17.15	15.45	NM	NM	NM	NM
B/MW-303(10)	13.94	19.03	15.85	17.12	16	16.97	NM	NM	NM	NM
B/MW-324(10)	18.55	14.08	17.17	15.46	17.21	15.42	NM	NM	NM	NM
B/MW-404(11)	--	--	17.51	15.44	17.51	15.44	18.61	14.34	19.23	13.72
B/PZ-407(11)	--	--	13.80	15.46	13.81	15.45	NM	NM	NM	NM
B/PZ-408(11)	--	--	15.98	15.55	16.01	15.52	NM	NM	NM	NM
B/PZ-409(11)	--	--	17.31	15.48	17.36	15.43	NM	NM	NM	NM
B/PZ-410(11)	--	--	15.70	15.47	15.74	15.43	NM	NM	NM	NM
B/PZ-411(11)	--	--	14.75	15.46	14.84	15.37	NM	NM	NM	NM

Notes:

ft, NAVD88 - feet above North American Vertical Datum of 1988
ft, bgs - feet below ground surface
NA - Not Available
NM - Not Measured

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-101(05) B/MW-101(05) 12/31/2005	B/MW-101(05) B/MW-101(05) 12/31/2006	B/MW-101(05) B/MW-101(05) 11/18/2010	B/MW-101(05) B/MW-101(05) 5/5/2011	B/MW-101(05) B/MW-101(05) 8/19/2014	B/MW-101(05) B/MW-101(05) 10/7/2015	B/MW-102(05) B/MW-102(05) 12/20/2005	B/MW-102(05) B/MW-102(05) 12/31/2006	B/MW-102(05) B/MW-102(05) 11/19/2010	B/MW-102(05) B/MW-102(05) 5/5/2011
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
BTEX	ug/L												
Benzene		71-43-2	1	0.39 U	0.39 U	5 U	5 U	1 U	0.5 U	0.39 U	0.39 U	5 U	5 U
Toluene		108-88-3	5	0.36 U	0.36 U	5 U	5 U	1 U	2.5 U	0.36 U	0.36 U	5 U	5 U
Ethylbenzene		100-41-4	5	0.45 U	0.45 U	5 U	5 U	1 U	2.5 U	0.45 U	0.45 U	5 U	5 U
o-Xylene		95-47-6	5	0.46 U	0.46 U				2.5 U	**0.72 J**	0.46 U		
m/p-Xylene		179601-23-1	5	0.12 U	1.2 U				2.5 U	0.12 U	1.2 U		
Total Xylene		1330-20-7	5			5 U	5 U	2 U	2.5 U			5 U	5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	**0.72**	ND	ND	ND
Other VOCs	ug/L												
Acetone		67-64-1	50*			10 U	10 U					10 U	10 U
Bromodichloromethane		75-27-4	50*			5 U	5 U					5 U	5 U
Bromoform		75-25-2	50*			5 U	5 U					5 U	5 U
Bromomethane		74-83-9	5			5 U	5 U					5 UJ	5 U
Carbon disulfide		75-15-0	60*			5 U	5 U					5 U	5 U
Carbon tetrachloride		56-23-5	5			5 U	5 U					5 U	5 U
Chlorobenzene		108-90-7	5			5 U	5 U					5 U	5 U
Chloroethane		75-00-3	5			5 U	5 UJ					5 U	5 UJ
Chloroform		67-66-3	7	**5**		**4.3 J**	**3.8 J**			**1.9 J**		5 U	5 U
Chloromethane		74-87-3	5			5 U	5 U					5 U	5 U
Cyclohexane		110-82-7	NE	0.36 U						0.36 U			
Dibromochloromethane		124-48-1	50*			5 U	5 U					5 U	5 U
1,1-Dichloroethane		75-34-3	5			5 UJ	5 U					5 U	5 U
1,2-Dichloroethane		107-06-2	0.6			5 U	5 U					5 U	5 U
1,1-Dichloroethene		75-35-4	0.07			5 U	5 U					5 U	5 U
cis-1,2-Dichloroethene		156-59-2	5			5 U	5 U					5 U	5 U
trans-1,2-Dichloroethene		156-60-5	5			5 U	5 U					5 U	5 U
1,2-Dichloropropane		78-87-5	1			5 U	5 U					5 U	5 U
cis-1,3-Dichloropropene		10061-01-5	0.4			5 U	5 U					5 U	5 U
trans-1,3-Dichloropropene		10061-02-6	0.4			5 U	5 U					5 U	5 U
2-Hexanone		591-78-6	50*			10 U	10 U					10 U	10 U
Isopropylbenzene		98-82-8	5	0.44 U						0.44 U			
Methyl ethyl ketone (2-Butanone)		78-93-3	50*			10 U	10 U					10 U	10 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE			10 U	10 U					10 U	10 U
Methylcyclohexane		108-87-2	NE	0.34 U						0.34 U			
Methylene chloride		75-09-2	5			5 U	5 U					5 U	5 U
Styrene		100-42-5	5	0.41 U		5 U	5 U			0.41 U		5 U	5 U
1,1,2,2-Tetrachloroethane		79-34-5	5			5 U	5 U					5 U	5 U
Tetrachloroethene (PCE)		127-18-4	5			5 U	5 U					5 U	5 U
1,1,1-Trichloroethane (TCA)		71-55-6	5			5 U	5 U					5 U	5 U
1,1,2-Trichloroethane		79-00-5	1			5 U	5 U					5 U	5 U
Trichloroethene (TCE)		79-01-6	5			5 U	5 U					5 U	5 U
Vinyl chloride		75-01-4	2			5 U	5 U					5 U	5 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Name				B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
Sample Date				12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	12/20/2005	12/31/2006	11/19/2010	5/5/2011
Parent Sample													
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
NYSDEC PAH17	ug/L												
Acenaphthene		83-32-9	20*	2.7 U	1.4 U	4.3 U	4 U	10 U	0.2 U	**42**	**15 JD**	4.4 U	4 U
Acenaphthylene		208-96-8	NE	2.6 U	1.3 U	4.3 U	4 U	10 U	0.2 U	**1.8 J**	**9.4 JD**	4.4 U	4 U
Anthracene		120-12-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	**6.9 J**	**23 JD**	4.4 U	4 U
Benzo(a)anthracene		56-55-3	0.002*	2.2 U	1.1 U	4.3 U	4 U	1 U	0.2 U	**2.7 J**	**39 JD**	4.4 U	4 U
Benzo(b)fluoranthene		205-99-2	0.002*	2.2 U	0.76 U	4.3 U	4 U	1 U	0.2 U	**3 J**	**40 JD**	4.4 U	4 U
Benzo(k)fluoranthene		207-08-9	0.002*	2.6 U	1.9 U	4.3 U	4 U	1 U	0.2 U		**25 JD**	4.4 U	4 U
Benzo(g,h,i)perylene		191-24-2	NE	2.3 U	1.1 U	4.3 U	4 UJ	10 U	0.2 U	**2.5 J**	**50 JD**	4.4 U	4 UJ
Benzo(a)pyrene		50-32-8	ND	1.5 U	1.2 U	4.3 U	4 U	1 U	0.2 U	**2.9 J**	**46 JD**	4.4 U	4 U
Chrysene		218-01-9	0.002*	3.3 U	1.7 U	4.3 U	4 U	10 U	0.2 U	**3 J**	**36 JD**	4.4 U	4 U
Dibenz(a,h)anthracene		53-70-3	NE		0.87 U	4.3 U	4 U	1 U	0.2 U		4.5 UD	4.4 U	4 U
Fluoranthene		206-44-0	50*	2.4 U	1.2 U	4.3 U	4 U	10 U	0.2 U	**12**	**76 D**	4.4 U	4 U
Fluorene		86-73-7	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	**24**	7.2 UD	4.4 U	4 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	1.7 U	0.84 U	4.3 U	4 U	1 U	0.2 U	**2.7 J**	**33 JD**	4.4 U	4 U
2-Methylnaphthalene		91-57-6	NE	2.2 U		4.3 U	4 U	10 U	0.2 U	**8.9 J**		4.4 U	4 U
Naphthalene		91-20-3	10*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	1.4 U	7.1 UD	4.4 U	4 U
Phenanthrene		85-01-8	50*	2.8 U	1.4 U	4.3 U	4 U	10 U	0.2 U	**40**	**27 JD**	4.4 U	4 U
Pyrene		129-00-0	50*	2.9 U	1.5 U	4.3 U	4 U	10 U	0.2 U	**10 J**	**190 D**	4.4 U	4 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	**162.4**	**609.4**	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L												
Benzyl alcohol		100-51-6	NE			4.3 U	4 U					4.4 U	4 U
Bis(2-chloroethoxy)methane		111-91-1	5			4.3 U	4 U					4.4 U	4 U
Bis(2-chloroethyl)ether		111-44-4	1			4.3 U	4 U					4.4 U	4 U
2,2-oxybis(1-Chloropropane)		108-60-1	5			4.3 U	4 U					4.4 U	4 U
Bis(2-ethylhexyl)phthalate		117-81-7	5			4.3 U	4 U					4.4 U	4 U
4-Bromophenyl phenyl ether		101-55-3	NE			4.3 U	4 U					4.4 U	4 U
Butyl benzyl phthalate		85-68-7	50*			4.3 U	4 U					4.4 U	4 U
Carbazole		86-74-8	NE			4.3 U	4 U			**13**		4.4 U	4 U
4-Chloro-3-methylphenol		59-50-7	NE			5.3 U	5 U					5.6 U	5 U
4-Chloroaniline		106-47-8	5			4.3 U						4.4 U	
2-Chloronaphthalene		91-58-7	10*			4.3 U	4 U		0.2 U			4.4 U	4 U
2-Chlorophenol		95-57-8	NE			4.3 U	4 U					4.4 U	4 U
4-Chlorophenyl phenyl ether		7005-72-3	NE			4.3 U	4 U					4.4 U	4 U
Dibenzofuran		132-64-9	NE	2.6 U		4.3 U	4 U			**11**		4.4 U	4 U
1,2-Dichlorobenzene		95-50-1	3			4.3 U	4 U					4.4 U	4 U
1,3-Dichlorobenzene		541-73-1	3			4.3 U	4 U					4.4 U	4 U
1,4-Dichlorobenzene		106-46-7	3			4.3 U	4 U					4.4 U	4 U
3,3-Dichlorobenzidine		91-94-1	5			4.3 U	4 U					4.4 U	4 U
2,4-Dichlorophenol		120-83-2	5			4.3 U	4 U					4.4 U	4 U
Diethyl phthalate		84-66-2	50*			4.3 U	4 U					4.4 U	4 U
Dimethyl phthalate		131-11-3	50*			4.3 U	4 U					4.4 U	4 U
2,4-Dimethylphenol		105-67-9	50*			4.3 U	4 U					4.4 U	4 U
Di-n-butyl phthalate		84-74-2	50			4.3 U	4 U					4.4 U	4 U
4,6-Dinitro-2-methylphenol		534-52-1	NE			27 U	25 U					28 U	25 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-101(05) B/MW-101(05) 12/31/2005	B/MW-101(05) B/MW-101(05) 12/31/2006	B/MW-101(05) B/MW-101(05) 11/18/2010	B/MW-101(05) B/MW-101(05) 5/5/2011	B/MW-101(05) B/MW-101(05) 8/19/2014	B/MW-101(05) B/MW-101(05) 10/7/2015	B/MW-102(05) B/MW-102(05) 12/20/2005	B/MW-102(05) B/MW-102(05) 12/31/2006	B/MW-102(05) B/MW-102(05) 11/19/2010	B/MW-102(05) B/MW-102(05) 5/5/2011
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
2,4-Dinitrophenol		51-28-5	10*			27 U	25 U					28 U	25 U
2,4-Dinitrotoluene		121-14-2	5			4.3 U	4 U					4.4 U	4 U
2,6-Dinitrotoluene		606-20-2	5			4.3 U	4 U					4.4 U	4 U
Di-n-octyl phthalate		117-84-0	50*			4.3 U	4 U					4.4 U	4 U
Hexachlorobenzene		118-74-1	0.04			4.3 U	4 U					4.4 U	4 U
Hexachlorobutadiene (C-46)		87-68-3	0.5			4.3 U	4 UJ					4.4 U	4 UJ
Hexachlorocyclopentadiene		77-47-4	5			4.3 U	4 U					4.4 U	4 U
Hexachloroethane		67-72-1	5			4.3 U	4 U					4.4 U	4 U
Isophorone		78-59-1	50*			4.3 U	4 U					4.4 U	4 U
2-Methylphenol (o-Cresol)		95-48-7	1			4.3 U	4 U					4.4 U	4 U
4-Methylphenol (p-Cresol)		106-44-5	1			4.3 U	4 U					4.4 U	4 U
2-Nitroaniline		88-74-4	5			4.3 U	4 U					4.4 U	4 U
3-Nitroaniline		99-09-2	5			4.3 U	4 U					4.4 U	4 U
4-Nitroaniline		100-01-6	5			4.3 U	4 U					4.4 U	4 U
Nitrobenzene		98-95-3	0.4			4.3 U	4 U					4.4 U	4 U
2-Nitrophenol		88-75-5	NE			4.3 U	4 U					4.4 U	4 U
4-Nitrophenol		100-02-7	NE			11 U	10 U					11 U	10 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*			4.3 U	4 U					4.4 U	4 U
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE			4.3 U	4 U					4.4 U	4 U
Pentachlorophenol		87-86-5	1			27 U	25 U					28 U	25 U
Phenol		108-95-2	1			4.3 U	4 U					4.4 U	4 U
1,2,4-Trichlorobenzene		120-82-1	5			4.3 U	4 U					4.4 U	4 U
2,4,5-Trichlorophenol		95-95-4	NE			11 U	10 U					11 U	10 U
2,4,6-Trichlorophenol		88-06-2	NE			4.3 U	4 U					4.4 U	4 U
Total SVOCs (ND=0)		TSVOC_ND0	NE	ND	ND					**186.4**	**609.4**		
PCB Aroclors	ug/L												
Total PCBs (Lab calculated)		1336-36-3	0.09	0						0 U			
Pesticides	ug/L												
Aldrin		309-00-2	ND	0.06 U						**0.28**			
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04	0.1 U						0.052 U			
4,4-DDD (p,p-DDD)		72-54-8	0.3	0.014 U						0.007 U			
Total Metals	ug/L												
Aluminum		7429-90-5	NE	**709 J**		**71.5 J**	**163 J**			**31700 J**		**121 J**	**15.5 J**
Antimony		7440-36-0	3	3.17 U		15 U	15 U			**55.5 J**		15 U	15 U
Arsenic		7440-38-2	25	3.32 UJ		15 U	15 U			**25.5 J**		15 UJ	15 U
Barium		7440-39-3	1000	**67.8**		**130**	**148**			**564 J**		**218**	**224**
Beryllium		7440-41-7	3*	**0.24**		5 U	5 U			**2.64 J**		5 U	5 U
Cadmium		7440-43-9	5	0.327 U		5 U	5 U			0.327 U		5 U	5 U
Calcium		7440-70-2	NE	**54500**		**129000**	**145000**			**135000**		**109000**	**155000**
Chromium		7440-47-3	50	**2.03 J**		5 U	5 U			**39.9**		5 U	5 U
Cobalt		7440-48-4	NE	0.37 U		5 U	5 U			**34.9 J**		5 U	5 U
Copper		7440-50-8	200	**9.05 J**		**2.7 J**	**2.9 J**			**88.7**		**3.6 J**	**1.9 J**

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
			Sample Name	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)
			Sample Date	12/31/2005	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015	12/20/2005	12/31/2006	11/19/2010	5/5/2011
			Parent Sample										
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
Iron		7439-89-6	300	**1610**		**173**	**430**			**69700**		**379**	**89.4 J**
Lead		7439-92-1	25	**3.73 J**		15 UJ	15 U			**161**		15 U	15 U
Magnesium		7439-95-4	35000*	**13500**		**30700**	**37500**			**57600**		**72700**	**104000**
Manganese		7439-96-5	300	**266**		**121**	**52.3**			**10100**		**1110**	**424**
Mercury		7439-97-6	0.7	0.03 U		0.4 U	0.2 U			**1.28 J**		0.4 U	0.2 U
Nickel		7440-02-0	100	1.56 U		5 U	5 U			**40.4**		**2 J**	**1 J**
Potassium		7440-09-7	NE	**5330**		**6360**	**8410**			**22500 J**		**26400**	**28100**
Selenium		7782-49-2	10	3.04 U		38 U	38 U			3.04 U		38 U	38 U
Silver		7440-22-4	50	1.64 U		5 U	5 U			**12**		5 U	5 U
Sodium		7440-23-5	20000	332 U		**296000**	**279000**			**54200**		**79100**	**126000**
Thallium		7440-28-0	0.5*	3.05 U		15 U	15 U			3.05 U		15 U	15 U
Vanadium		7440-62-2	NE	0.701 U		**1.2 J**	**1.7 J**			**45.8 J**		**2.3 J**	5 U
Zinc		7440-66-6	2000*	**40.2 J**		**5.1 J**	**5.1 J**			**198 J**		25 U	25 U
Cyanides	ug/L												
Total Cyanide		57-12-5	200	0.01 U		10 U	10 U			**0.965**		**189**	**166**

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-102(05) B/MW-102(05) 8/19/2014	B/MW-102(05) B/MW-501(14) 8/19/2014 B/MW-102 (05)	B/MW-102(05) B/MW-102(05) 10/7/2015	B/MW-103(05) B/MW-103(05) 12/20/2005	B/MW-103(05) B/MW-Dup 2005(05) 12/20/2005 B/MW-103(05)	B/MW-103(05) B/MW-103(05) 12/31/2006	B/MW-103(05) B/MW-103(05) 11/19/2010	B/MW-103(05) B/MW-103(05) 5/6/2011	B/MW-104(05) B/MW-104(05) 12/20/2005	B/MW-104(05) B/MW-104(05) 12/28/2006
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
BTEX	ug/L												
Benzene		71-43-2	1	**0.086 J**	1 U	0.5 U	**100**	**130**	**82**	**8**	**150**	**2.7 J**	**1.9 J**
Toluene		108-88-3	5	1 U	1 U	2.5 U	**130**	**160**	**6.6**	5 U	**8.1**	0.36 U	0.36 U
Ethylbenzene		100-41-4	5	1 U	1 U	2.5 U	**120**	**140**	**53**	5 U	**10**	**1.3 J**	0.45 U
o-Xylene		95-47-6	5			2.5 U	**96**	**110**	**28**			**3.2 J**	0.46 U
m/p-Xylene		179601-23-1	5			2.5 U	**220**	**260**	**35**			**6.2 J**	1.2 U
Total Xylene		1330-20-7	5	2 U	2 U	2.5 U				5 U	**31**		
Total BTEX (ND=0)		TBTEX_ND0	NE	**0.086**	ND	ND	**666**	**800**	**204.6**	**8**	**199.1**	**13.4**	**1.9**
Other VOCs	ug/L												
Acetone		67-64-1	50*							10 U	10 U		
Bromodichloromethane		75-27-4	50*							5 U	5 U		
Bromoform		75-25-2	50*							5 UJ	5 U		
Bromomethane		74-83-9	5							5 UJ	5 U		
Carbon disulfide		75-15-0	60*							5 U	5 U		
Carbon tetrachloride		56-23-5	5							5 U	5 U		
Chlorobenzene		108-90-7	5							5 U	5 U		
Chloroethane		75-00-3	5							5 U	5 UJ		
Chloroform		67-66-3	7				**1.4 J**	**1.7 J**		5 U	5 U	**0.52 J**	
Chloromethane		74-87-3	5							5 U	5 U		
Cyclohexane		110-82-7	NE				**1.2 J**	**1.5 J**				0.36 U	
Dibromochloromethane		124-48-1	50*							5 UJ	5 U		
1,1-Dichloroethane		75-34-3	5							5 UJ	5 U		
1,2-Dichloroethane		107-06-2	0.6							5 U	5 U		
1,1-Dichloroethene		75-35-4	0.07							5 U	5 U		
cis-1,2-Dichloroethene		156-59-2	5							5 U	5 U		
trans-1,2-Dichloroethene		156-60-5	5							5 U	5 U		
1,2-Dichloropropane		78-87-5	1							5 U	5 U		
cis-1,3-Dichloropropene		10061-01-5	0.4							5 U	5 U		
trans-1,3-Dichloropropene		10061-02-6	0.4							5 U	5 U		
2-Hexanone		591-78-6	50*							10 U	10 U		
Isopropylbenzene		98-82-8	5				**4.3 J**	**5.5**				0.44 U	
Methyl ethyl ketone (2-Butanone)		78-93-3	50*							10 U	10 U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE							10 U	10 U		
Methylcyclohexane		108-87-2	NE				**5.9**	**6.5**				0.34 U	
Methylene chloride		75-09-2	5							5 U	5 U		
Styrene		100-42-5	5				**13**	**15**		5 U	5 U	0.41 U	
1,1,2,2-Tetrachloroethane		79-34-5	5							5 UJ	5 U		
Tetrachloroethene (PCE)		127-18-4	5							5 U	5 U		
1,1,1-Trichloroethane (TCA)		71-55-6	5							5 U	5 U		
1,1,2-Trichloroethane		79-00-5	1							5 U	5 U		
Trichloroethene (TCE)		79-01-6	5							5 U	5 U		
Vinyl chloride		75-01-4	2							5 U	5 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-102(05) B/MW-102(05) 8/19/2014	B/MW-102(05) B/MW-501(14) 8/19/2014 B/MW-102 (05)	B/MW-102(05) B/MW-102(05) 10/7/2015	B/MW-103(05) B/MW-103(05) 12/20/2005	B/MW-103(05) B/MW-Dup 2005(05) 12/20/2005 B/MW-103(05)	B/MW-103(05) B/MW-103(05) 12/31/2006	B/MW-103(05) B/MW-103(05) 11/19/2010	B/MW-103(05) B/MW-103(05) 5/6/2011	B/MW-104(05) B/MW-104(05) 12/20/2005	B/MW-104(05) B/MW-104(05) 12/28/2006
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
NYSDEC PAH17	ug/L												
Acenaphthene		83-32-9	20*	10 U	11 U	0.2 U	**84**	**97**	**67 JD**	**27**	**25**	**14**	**22 JD**
Acenaphthylene		208-96-8	NE	10 U	11 U	0.2 U	**100**	**120**	**60 JD**	**4.6**	**2.5 J**	**3.6 J**	**25 JD**
Anthracene		120-12-7	50*	**1.3 J**	11 U	0.2 U	**19**	**15**	**33 JD**	**0.55 J**	**0.4 J**	**7.2 J**	**32 JD**
Benzo(a)anthracene		56-55-3	0.002*	**1.8**	**1.7**	0.2 U	**3.3 J**	**1.9 J**	**21 JD**	**0.46 J**	**0.45 J**	**2.2 J**	**56 D**
Benzo(b)fluoranthene		205-99-2	0.002*	**1.9**	**2.1**	0.2 U	**2.2 J**	**1.3 J**	**17 JD**	4.5 U	**1.2 J**	**1.6 J**	**47 JD**
Benzo(k)fluoranthene		207-08-9	0.002*	**0.82 J**	**0.81 J**	0.2 U			20 UD	4.5 U	**0.99 J**		**31 JD**
Benzo(g,h,i)perylene		191-24-2	NE	10 U	**1.1 J**	0.2 U	**1.3 J**	1.1 UJ	11 UD	4.5 U	4 U	1.1 UJ	36 UD
Benzo(a)pyrene		50-32-8	ND	**1.8 J**	**1.9 J**	0.2 U	**2.1 J**	1.2 U	**18 JD**	4.5 U	4 U	**1.6 J**	**10 JD**
Chrysene		218-01-9	0.002*	**2.2 J**	**1.6 J**	0.2 U	**1.7 J**	1.7 U	17 UD	4.5 U	**0.27 J**	**2 J**	**50 JD**
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1.1 U	0.2 U			9 UD	4.5 U	4 U		4.4 UD
Fluoranthene		206-44-0	50*	**3.4 J**	**3.4 J**	0.2 U	**27 JD**	**26 JD**	**76 JD**	**8**	**7.9**	**9.3 J**	**73 D**
Fluorene		86-73-7	50*	10 U	11 U	0.2 U	**71**	**79 D**	**67 JD**	**13**	**9.4**	**17**	**21 JD**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	**0.89 J**	**0.55 J**	0.2 U	**1.5 J**	0.84 U	8.6 UD	4.5 U	4 U	**1 J**	**28 JD**
2-Methylnaphthalene		91-57-6	NE	10 U	11 U	0.2 U	**160**	**200**		4.5 U	4 U	1.1 U	
Naphthalene		91-20-3	10*	10 U	11 U	0.2 U	**2000**	**2200**	**470 D**	4.5 U	**7.6**	1.4 U	**7.6 JD**
Phenanthrene		85-01-8	50*	10 U	11 U	0.2 U	**130**	**130**	**170 D**	**7.7**	**2.8 J**	**24**	**89 D**
Pyrene		129-00-0	50*	**3.9 J**	**4 J**	0.2 U	**17**	**13**	**60 JD**	**5.2**	**5.2**	**6.2 J**	**160 D**
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**18.01**	**17.16**	ND	**2620.1**	**2883.2**	**1059**	**66.51**	**63.71**	**89.7**	**651.6**
NYSDEC PAH17 Other SVOCs	ug/L												
Benzyl alcohol		100-51-6	NE							4.5 U	4 U		
Bis(2-chloroethoxy)methane		111-91-1	5							4.5 U	4 U		
Bis(2-chloroethyl)ether		111-44-4	1							4.5 U	4 U		
2,2-oxybis(1-Chloropropane)		108-60-1	5							4.5 U	4 U		
Bis(2-ethylhexyl)phthalate		117-81-7	5							4.5 U	4 U		
4-Bromophenyl phenyl ether		101-55-3	NE							4.5 U	4 U		
Butyl benzyl phthalate		85-68-7	50*							4.5 U	4 U		
Carbazole		86-74-8	NE				**92**	**100**		**5.2**	**2.7 J**	**13**	
4-Chloro-3-methylphenol		59-50-7	NE							5.6 U	5 U		
4-Chloroaniline		106-47-8	5							4.5 U			
2-Chloronaphthalene		91-58-7	10*			0.2 U				4.5 U	4 U		
2-Chlorophenol		95-57-8	NE							4.5 U	4 U		
4-Chlorophenyl phenyl ether		7005-72-3	NE							4.5 U	4 U		
Dibenzofuran		132-64-9	NE				**76**	**88**		**6.4**	**3.3 J**	**6.9 J**	
1,2-Dichlorobenzene		95-50-1	3							4.5 U	4 U		
1,3-Dichlorobenzene		541-73-1	3							4.5 U	4 U		
1,4-Dichlorobenzene		106-46-7	3							4.5 U	4 U		
3,3-Dichlorobenzidine		91-94-1	5							4.5 U	4 U		
2,4-Dichlorophenol		120-83-2	5							4.5 U	4 U		
Diethyl phthalate		84-66-2	50*							4.5 U	4 U		
Dimethyl phthalate		131-11-3	50*							4.5 U	4 U		
2,4-Dimethylphenol		105-67-9	50*							4.5 U	**7.3**		
Di-n-butyl phthalate		84-74-2	50							4.5 U	4 U		
4,6-Dinitro-2-methylphenol		534-52-1	NE							28 U	25 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-102(05) B/MW-102(05) 8/19/2014	B/MW-102(05) B/MW-501(14) 8/19/2014 B/MW-102 (05)	B/MW-102(05) B/MW-102(05) 10/7/2015	B/MW-103(05) B/MW-103(05) 12/20/2005	B/MW-103(05) B/MW-Dup 2005(05) 12/20/2005 B/MW-103(05)	B/MW-103(05) B/MW-103(05) 12/31/2006	B/MW-103(05) B/MW-103(05) 11/19/2010	B/MW-103(05) B/MW-103(05) 5/6/2011	B/MW-104(05) B/MW-104(05) 12/20/2005	B/MW-104(05) B/MW-104(05) 12/28/2006
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
2,4-Dinitrophenol		51-28-5	10*							28 U	25 U		
2,4-Dinitrotoluene		121-14-2	5							4.5 U	4 U		
2,6-Dinitrotoluene		606-20-2	5							4.5 U	4 U		
Di-n-octyl phthalate		117-84-0	50*							4.5 U	4 U		
Hexachlorobenzene		118-74-1	0.04							4.5 U	4 U		
Hexachlorobutadiene (C-46)		87-68-3	0.5							4.5 U	4 U		
Hexachlorocyclopentadiene		77-47-4	5							4.5 U	4 U		
Hexachloroethane		67-72-1	5							4.5 U	4 U		
Isophorone		78-59-1	50*							4.5 U	4 U		
2-Methylphenol (o-Cresol)		95-48-7	1							4.5 U	**3.4 J**		
4-Methylphenol (p-Cresol)		106-44-5	1							4.5 U	**0.95 J**		
2-Nitroaniline		88-74-4	5							4.5 U	4 U		
3-Nitroaniline		99-09-2	5							4.5 U	4 U		
4-Nitroaniline		100-01-6	5							4.5 U	4 U		
Nitrobenzene		98-95-3	0.4							4.5 U	4 U		
2-Nitrophenol		88-75-5	NE							4.5 U	4 U		
4-Nitrophenol		100-02-7	NE							11 U	10 U		
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*							4.5 U	4 U		
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE							4.5 U	4 U		
Pentachlorophenol		87-86-5	1							28 U	25 U		
Phenol		108-95-2	1							4.5 U	**1.2 J**		
1,2,4-Trichlorobenzene		120-82-1	5							4.5 U	4 U		
2,4,5-Trichlorophenol		95-95-4	NE							11 U	10 U		
2,4,6-Trichlorophenol		88-06-2	NE							4.5 U	4 U		
Total SVOCs (ND=0)		TSVOC_ND0	NE				**2788.1**	**3071.2**	**1059**			**109.6**	**651.6**
PCB Aroclors	ug/L												
Total PCBs (Lab calculated)		1336-36-3	0.09				0	0				0	
Pesticides	ug/L												
Aldrin		309-00-2	ND				0.031 U	0.03 U				0.031 U	
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04				**0.1**	**0.11**				0.007 U	
4,4-DDD (p,p-DDD)		72-54-8	0.3				**0.11**	**0.12**				0.007 U	
Total Metals	ug/L												
Aluminum		7429-90-5	NE				**5100 J**	**5040 J**		**91.4 J**	250 U	**17900 J**	
Antimony		7440-36-0	3				3.17 U	3.17 U		15 U	15 U	**42.8 J**	
Arsenic		7440-38-2	25				**9 J**	**6.09 J**		15 U	**8.8 J**	**15.2 J**	
Barium		7440-39-3	1000				**198 J**	**162 J**		**276**	**271**	**271 J**	
Beryllium		7440-41-7	3*				**0.85 J**	**0.8 J**		5 U	5 U	**1.66 J**	
Cadmium		7440-43-9	5				0.327 U	0.327 U		5 U	5 U	0.327 U	
Calcium		7440-70-2	NE				**123000**	**95900**		**159000**	**148000**	**82200**	
Chromium		7440-47-3	50				**5.91 J**	**5.55 J**		**0.53 J**	5 U	**21.3**	
Cobalt		7440-48-4	NE				0.37 U	0.37 U		5 U	5 U	**16.1 J**	
Copper		7440-50-8	200				**26.5**	**25.4**		10 U	10 U	**72.1**	

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-102(05)	B/MW-102(05)	B/MW-102(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)
			Sample Name	B/MW-102(05)	B/MW-501(14)	B/MW-102(05)	B/MW-103(05)	B/MW-Dup 2005(05)	B/MW-103(05)	B/MW-103(05)	B/MW-103(05)	B/MW-104(05)	B/MW-104(05)
			Sample Date	8/19/2014	8/19/2014	10/7/2015	12/20/2005	12/20/2005	12/31/2006	11/19/2010	5/6/2011	12/20/2005	12/28/2006
			Parent Sample		B/MW-102 (05)			B/MW-103(05)					
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
Iron		7439-89-6	300				**17700**	**15900**		**16000**	**12600**	**48700**	
Lead		7439-92-1	25				**15.7**	**12.6**		15 U	15 U	**72.3**	
Magnesium		7439-95-4	35000*				**38400**	**30300**		**50300**	**48000**	**24400**	
Manganese		7439-96-5	300				**5470**	**4200**		**5980**	**5990**	**2820**	
Mercury		7439-97-6	0.7				**0.09 J**	**0.11 J**		0.4 U	0.2 U	**0.62 J**	
Nickel		7440-02-0	100				1.56 U	1.56 U		5 U	5 U	**14.8 J**	
Potassium		7440-09-7	NE				**15000 J**	**11200 J**		**15600**	**15700**	**20900 J**	
Selenium		7782-49-2	10				3.04 U	3.04 U		38 U	38 U	3.04 U	
Silver		7440-22-4	50				**3.58 J**	**3.1 J**		5 U	**0.61 J**	**8.34 J**	
Sodium		7440-23-5	20000				**52400**	**52400**		**97600**	**111000**	332 U	
Thallium		7440-28-0	0.5*				3.05 U	3.05 U		15 U	15 U	3.05 U	
Vanadium		7440-62-2	NE				0.701 U	0.701 U		**2.3 J**	**1.6 J**	**17.7 J**	
Zinc		7440-66-6	2000*				**62.8 J**	**56.5 J**		25 U	25 U	**136 J**	
Cyanides	ug/L												
Total Cyanide		57-12-5	200				**0.071**	**0.067**		**115**	**127**	0.01 U	

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
			Sample Name	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-Dup 2006(06)	B/MW-202(06)
			Sample Date	11/18/2010	5/5/2011	8/19/2014	10/7/2015	12/31/2006	11/18/2010	5/5/2011	12/31/2006	12/31/2006	11/18/2010
			Parent Sample									B/MW-202(06)	
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
BTEX	ug/L												
Benzene		71-43-2	1	5 U	5 U	1 U	0.5 U	0.39 U	5 U	5 U	**1.6 J**	0.39 U	5 U
Toluene		108-88-3	5	5 U	5 U	1 U	2.5 U	0.36 U	5 U	5 U	0.36 U	0.36 U	5 U
Ethylbenzene		100-41-4	5	5 U	5 U	1 U	2.5 U	0.45 U	5 U	5 U	0.45 U	0.45 U	5 U
o-Xylene		95-47-6	5				2.5 U	0.46 U			0.46 U	0.46 U	
m/p-Xylene		179601-23-1	5				2.5 U	1.2 U			1.2 U	1.2 U	
Total Xylene		1330-20-7	5	5 U	5 U	2 U	2.5 U		5 U	5 U			5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	**1.6**	ND	ND
Other VOCs	ug/L												
Acetone		67-64-1	50*	10 U	10 U				10 U	10 U			10 U
Bromodichloromethane		75-27-4	50*	5 U	5 U				5 U	5 U			5 U
Bromoform		75-25-2	50*	5 UJ	5 U				5 UJ	5 U			5 UJ
Bromomethane		74-83-9	5	5 UJ	5 U				5 UJ	5 U			5 UJ
Carbon disulfide		75-15-0	60*	5 U	5 U				5 U	5 U			5 U
Carbon tetrachloride		56-23-5	5	5 U	5 U				5 U	5 U			5 U
Chlorobenzene		108-90-7	5	5 U	5 U				5 U	5 U			5 U
Chloroethane		75-00-3	5	5 U	5 UJ				5 U	5 UJ			5 U
Chloroform		67-66-3	7	5 U	5 U				5 U	5 U			5 U
Chloromethane		74-87-3	5	5 U	5 U				5 U	5 U			5 U
Cyclohexane		110-82-7	NE										
Dibromochloromethane		124-48-1	50*	5 U	5 U				5 U	5 U			5 U
1,1-Dichloroethane		75-34-3	5	5 UJ	5 U				5 UJ	5 U			5 UJ
1,2-Dichloroethane		107-06-2	0.6	5 U	5 U				5 U	5 U			5 U
1,1-Dichloroethene		75-35-4	0.07	5 U	5 U				5 U	5 U			5 U
cis-1,2-Dichloroethene		156-59-2	5	5 U	5 U				5 U	5 U			5 U
trans-1,2-Dichloroethene		156-60-5	5	5 U	5 U				5 U	5 U			5 U
1,2-Dichloropropane		78-87-5	1	5 U	5 U				5 U	5 U			5 U
cis-1,3-Dichloropropene		10061-01-5	0.4	5 U	5 U				5 U	5 U			5 U
trans-1,3-Dichloropropene		10061-02-6	0.4	5 U	5 U				5 U	5 U			5 U
2-Hexanone		591-78-6	50*	10 U	10 U				10 U	10 U			10 U
Isopropylbenzene		98-82-8	5										
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	10 U	10 U				10 U	10 U			10 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	10 U	10 U				10 U	10 U			10 U
Methylcyclohexane		108-87-2	NE										
Methylene chloride		75-09-2	5	5 U	5 U				5 U	5 U			5 U
Styrene		100-42-5	5	5 U	5 U				5 U	5 U			5 U
1,1,2,2-Tetrachloroethane		79-34-5	5	5 U	5 U				5 U	5 U			5 U
Tetrachloroethene (PCE)		127-18-4	5	5 U	5 U				5 U	5 U			5 U
1,1,1-Trichloroethane (TCA)		71-55-6	5	5 U	5 U				5 U	5 U			5 U
1,1,2-Trichloroethane		79-00-5	1	5 U	5 U				5 U	5 U			5 U
Trichloroethene (TCE)		79-01-6	5	5 U	5 U				5 U	5 U			5 U
Vinyl chloride		75-01-4	2	5 U	5 U				5 U	5 U			5 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
Sample Name				B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-Dup 2006(06)	B/MW-202(06)
Sample Date				11/18/2010	5/5/2011	8/19/2014	10/7/2015	12/31/2006	11/18/2010	5/5/2011	12/31/2006	12/31/2006	11/18/2010
Parent Sample												B/MW-202(06)	
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
NYSDEC PAH17	ug/L												
Acenaphthene		83-32-9	20*	4.3 U	4 U	10 U	0.2 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U
Acenaphthylene		208-96-8	NE	4.3 U	4 U	10 U	0.2 U	1.3 U	4.3 U	4 U	1.3 U	1.3 U	4.3 U
Anthracene		120-12-7	50*	4.3 U	4 U	10 U	0.2 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U
Benzo(a)anthracene		56-55-3	0.002*	4.3 U	4 U	1 U	0.2 U	1.1 U	4.3 U	4 U	1.1 U	1.1 U	4.3 U
Benzo(b)fluoranthene		205-99-2	0.002*	4.3 U	4 U	1 U	0.2 U	0.76 U	4.3 U	4 U	0.76 U	0.76 U	4.3 U
Benzo(k)fluoranthene		207-08-9	0.002*	4.3 U	4 U	1 U	0.2 U	1.9 U	4.3 U	4 U	1.9 U	1.9 U	4.3 U
Benzo(g,h,i)perylene		191-24-2	NE	4.3 U	4 UJ	10 U	0.2 U	1.1 U	4.3 U	4 UJ	1.1 U	1.1 U	4.3 U
Benzo(a)pyrene		50-32-8	ND	4.3 U	4 U	1 U	0.2 U	1.2 U	4.3 U	4 U	1.2 U	1.2 U	4.3 U
Chrysene		218-01-9	0.002*	4.3 U	4 U	10 U	0.2 U	1.7 U	4.3 U	4 U	1.7 U	1.7 U	4.3 U
Dibenz(a,h)anthracene		53-70-3	NE	4.3 U	4 U	1 U	0.2 U	0.87 U	4.3 U	4 U	0.87 U	0.87 U	4.3 U
Fluoranthene		206-44-0	50*	4.3 U	4 U	10 U	0.2 U	1.2 U	4.3 U	4 U	1.2 U	1.2 U	4.3 U
Fluorene		86-73-7	50*	4.3 U	4 U	10 U	0.2 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	4.3 U	4 U	1 U	0.2 U	0.84 U	4.3 U	4 U	0.84 U	0.84 U	4.3 U
2-Methylnaphthalene		91-57-6	NE	4.3 U	4 U	10 U	0.2 U		4.3 U	4 U			4.3 U
Naphthalene		91-20-3	10*	4.3 U	4 U	10 U	0.2 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U
Phenanthrene		85-01-8	50*	4.3 U	4 U	10 U	0.2 U	1.4 U	4.3 U	4 U	1.4 U	1.4 U	4.3 U
Pyrene		129-00-0	50*	4.3 U	4 U	10 U	0.2 U	1.5 U	4.3 U	4 U	1.5 U	1.5 U	4.3 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L												
Benzyl alcohol		100-51-6	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
Bis(2-chloroethoxy)methane		111-91-1	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Bis(2-chloroethyl)ether		111-44-4	1	4.3 U	4 U				4.3 U	4 U			4.3 U
2,2-oxybis(1-Chloropropane)		108-60-1	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Bis(2-ethylhexyl)phthalate		117-81-7	5	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Bromophenyl phenyl ether		101-55-3	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
Butyl benzyl phthalate		85-68-7	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
Carbazole		86-74-8	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Chloro-3-methylphenol		59-50-7	NE	5.3 U	5 U				5.4 U	5 U			5.3 U
4-Chloroaniline		106-47-8	5	4.3 U					4.3 U				4.3 U
2-Chloronaphthalene		91-58-7	10*	4.3 U	4 U		0.2 U		4.3 U	4 U			4.3 U
2-Chlorophenol		95-57-8	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Chlorophenyl phenyl ether		7005-72-3	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
Dibenzofuran		132-64-9	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
1,2-Dichlorobenzene		95-50-1	3	4.3 U	4 U				4.3 U	4 U			4.3 U
1,3-Dichlorobenzene		541-73-1	3	4.3 U	4 U				4.3 U	4 U			4.3 U
1,4-Dichlorobenzene		106-46-7	3	4.3 U	4 U				4.3 U	4 U			4.3 U
3,3-Dichlorobenzidine		91-94-1	5	4.3 U	4 U				4.3 U	4 U			4.3 U
2,4-Dichlorophenol		120-83-2	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Diethyl phthalate		84-66-2	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
Dimethyl phthalate		131-11-3	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
2,4-Dimethylphenol		105-67-9	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
Di-n-butyl phthalate		84-74-2	50	4.3 U	4 U				4.3 U	4 U			4.3 U
4,6-Dinitro-2-methylphenol		534-52-1	NE	27 U	25 U				27 U	25 U			27 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-104(05) B/MW-104(05) 11/18/2010	B/MW-104(05) B/MW-104(05) 5/5/2011	B/MW-104(05) B/MW-104(05) 8/19/2014	B/MW-104(05) B/MW-104(05) 10/7/2015	B/MW-201(06) B/MW-201(06) 12/31/2006	B/MW-201(06) B/MW-201(06) 11/18/2010	B/MW-201(06) B/MW-201(06) 5/5/2011	B/MW-202(06) B/MW-202(06) 12/31/2006	B/MW-202(06) B/MW-Dup 2006(06) 12/31/2006 B/MW-202(06)	B/MW-202(06) B/MW-202(06) 11/18/2010
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
2,4-Dinitrophenol		51-28-5	10*	27 U	25 U				27 U	25 U			27 U
2,4-Dinitrotoluene		121-14-2	5	4.3 U	4 U				4.3 U	4 U			4.3 U
2,6-Dinitrotoluene		606-20-2	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Di-n-octyl phthalate		117-84-0	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
Hexachlorobenzene		118-74-1	0.04	4.3 U	4 U				4.3 U	4 U			4.3 U
Hexachlorobutadiene (C-46)		87-68-3	0.5	4.3 U	4 UJ				4.3 U	4 UJ			4.3 U
Hexachlorocyclopentadiene		77-47-4	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Hexachloroethane		67-72-1	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Isophorone		78-59-1	50*	4.3 U	4 U				4.3 U	4 U			4.3 U
2-Methylphenol (o-Cresol)		95-48-7	1	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Methylphenol (p-Cresol)		106-44-5	1	4.3 U	4 U				4.3 U	4 U			4.3 U
2-Nitroaniline		88-74-4	5	4.3 U	4 U				4.3 U	4 U			4.3 U
3-Nitroaniline		99-09-2	5	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Nitroaniline		100-01-6	5	4.3 U	4 U				4.3 U	4 U			4.3 U
Nitrobenzene		98-95-3	0.4	4.3 U	4 U				4.3 U	4 U			4.3 U
2-Nitrophenol		88-75-5	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
4-Nitrophenol		100-02-7	NE	11 U	10 U				11 U	10 U			11 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	4.3 U	4 U				4.3 U	4 U			4.3 UJ
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
Pentachlorophenol		87-86-5	1	27 U	25 U				27 U	25 U			27 U
Phenol		108-95-2	1	4.3 U	4 U				4.3 U	4 U			4.3 U
1,2,4-Trichlorobenzene		120-82-1	5	4.3 U	4 U				4.3 U	4 U			4.3 U
2,4,5-Trichlorophenol		95-95-4	NE	11 U	10 U				11 U	10 U			11 U
2,4,6-Trichlorophenol		88-06-2	NE	4.3 U	4 U				4.3 U	4 U			4.3 U
Total SVOCs (ND=0)		TSVOC_ND0	NE					ND			ND	ND	
PCB Aroclors	ug/L												
Total PCBs (Lab calculated)		1336-36-3	0.09										
Pesticides	ug/L												
Aldrin		309-00-2	ND										
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04										
4,4-DDD (p,p-DDD)		72-54-8	0.3										
Total Metals	ug/L												
Aluminum		7429-90-5	NE	**70.6 J**	**36.2 J**				250 U	**22.8 J**			**18.6 J**
Antimony		7440-36-0	3	15 U	15 U				15 U	15 U			15 U
Arsenic		7440-38-2	25	15 U	15 U				15 U	15 U			15 U
Barium		7440-39-3	1000	**74**	**70.3**				**105**	**179**			**90**
Beryllium		7440-41-7	3*	5 U	5 U				5 U	5 U			5 U
Cadmium		7440-43-9	5	5 U	5 U				5 U	5 U			5 U
Calcium		7440-70-2	NE	**131000**	**170000**				**92000**	**226000**			**138000**
Chromium		7440-47-3	50	5 U	5 U				5 U	5 U			5 U
Cobalt		7440-48-4	NE	5 U	5 U				5 U	5 U			5 U
Copper		7440-50-8	200	**4.9 J**	**2.5 J**				**2.3 J**	**2.3 J**			**3.5 J**

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)
			Sample Name	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-201(06)	B/MW-201(06)	B/MW-201(06)	B/MW-202(06)	B/MW-Dup 2006(06)	B/MW-202(06)
			Sample Date	11/18/2010	5/5/2011	8/19/2014	10/7/2015	12/31/2006	11/18/2010	5/5/2011	12/31/2006	12/31/2006	11/18/2010
			Parent Sample									B/MW-202(06)	
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
Iron		7439-89-6	300	**456**	**147**				**20.6 J**	**34.6 J**			**435**
Lead		7439-92-1	25	15 UJ	15 U				15 UJ	15 U			15 UJ
Magnesium		7439-95-4	35000*	**51600**	**89600**				**23100**	**53500**			**31900**
Manganese		7439-96-5	300	**1620**	**13.9**				**131**	**16.2**			**1380**
Mercury		7439-97-6	0.7	0.4 U	0.2 U				0.4 U	0.2 U			0.4 U
Nickel		7440-02-0	100	**2.4 J**	**1.2 J**				5 U	5 U			**4.4 J**
Potassium		7440-09-7	NE	**20600**	**24200**				**6740**	**8920**			**24800**
Selenium		7782-49-2	10	38 U	38 U				38 U	38 U			38 U
Silver		7440-22-4	50	5 U	5 U				5 U	5 U			5 U
Sodium		7440-23-5	20000	**118000**	**190000**				**246000**	**477000**			**276000**
Thallium		7440-28-0	0.5*	15 U	15 U				15 U	15 U			15 U
Vanadium		7440-62-2	NE	**1.2 J**	5 U				5 U	5 U			**1.6 J**
Zinc		7440-66-6	2000*	25 U	25 U				25 U	25 U			25 U
Cyanides	ug/L												
Total Cyanide		57-12-5	200	**19.6**	**5.9 J**				10 U	10 U			**4.1 J**

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-202(06) B/MW-202(06) 10/7/2015	B/MW-202(06) B/MW-DUP(15) 10/7/2015 MW-202 (06)	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 10/7/2015
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
BTEX	ug/L											
Benzene		71-43-2	1	5 U	1 U	0.5 U	0.5 U	0.39 U	5 U	5 U	1 U	0.5 U
Toluene		108-88-3	5	5 U	1 U	2.5 U	2.5 U	0.36 U	5 U	5 U	1 U	2.5 U
Ethylbenzene		100-41-4	5	**1 J**	1 U	2.5 U	2.5 U	0.45 U	5 U	5 U	1 U	2.5 U
o-Xylene		95-47-6	5			2.5 U	2.5 U	0.46 U				2.5 U
m/p-Xylene		179601-23-1	5			2.5 U	2.5 U	1.2 U				2.5 U
Total Xylene		1330-20-7	5	5 U	2 U	2.5 U	2.5 U		5 U	5 U	2 U	2.5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	**1**	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs	ug/L											
Acetone		67-64-1	50*	10 U					10 U	10 U		
Bromodichloromethane		75-27-4	50*	5 U					5 U	5 U		
Bromoform		75-25-2	50*	5 U					5 UJ	5 U		
Bromomethane		74-83-9	5	5 U					5 UJ	5 U		
Carbon disulfide		75-15-0	60*	5 U					5 U	5 U		
Carbon tetrachloride		56-23-5	5	5 U					5 U	5 U		
Chlorobenzene		108-90-7	5	**1.4 J**					5 U	5 U		
Chloroethane		75-00-3	5	5 UJ					5 U	5 UJ		
Chloroform		67-66-3	7	5 U					5 U	5 U		
Chloromethane		74-87-3	5	5 U					5 U	5 U		
Cyclohexane		110-82-7	NE									
Dibromochloromethane		124-48-1	50*	5 U					5 U	5 U		
1,1-Dichloroethane		75-34-3	5	5 U					5 UJ	5 U		
1,2-Dichloroethane		107-06-2	0.6	5 U					5 U	5 U		
1,1-Dichloroethene		75-35-4	0.07	5 U					5 U	5 U		
cis-1,2-Dichloroethene		156-59-2	5	5 U					5 U	5 U		
trans-1,2-Dichloroethene		156-60-5	5	5 U					5 U	5 U		
1,2-Dichloropropane		78-87-5	1	5 U					5 U	5 U		
cis-1,3-Dichloropropene		10061-01-5	0.4	5 U					5 U	5 U		
trans-1,3-Dichloropropene		10061-02-6	0.4	5 U					5 U	5 U		
2-Hexanone		591-78-6	50*	10 U					10 U	10 U		
Isopropylbenzene		98-82-8	5									
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	10 U					10 U	10 U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	10 U					10 U	10 U		
Methylcyclohexane		108-87-2	NE									
Methylene chloride		75-09-2	5	5 U					5 U	5 U		
Styrene		100-42-5	5	5 U					5 U	5 U		
1,1,2,2-Tetrachloroethane		79-34-5	5	5 U					5 U	5 U		
Tetrachloroethene (PCE)		127-18-4	5	5 U					5 U	5 U		
1,1,1-Trichloroethane (TCA)		71-55-6	5	5 U					5 U	5 U		
1,1,2-Trichloroethane		79-00-5	1	5 U					5 U	5 U		
Trichloroethene (TCE)		79-01-6	5	5 U					5 U	5 U		
Vinyl chloride		75-01-4	2	5 U					5 U	5 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-202(06) B/MW-202(06) 10/7/2015	B/MW-202(06) B/MW-DUP(15) 10/7/2015 MW-202 (06)	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 10/7/2015
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
NYSDEC PAH17	ug/L											
Acenaphthene		83-32-9	20*	4 U	10 U	0.2 U	0.2 U	1.4 U	4.2 U	4 U	10 U	0.2 U
Acenaphthylene		208-96-8	NE	4 U	10 U	0.2 U	0.2 U	1.3 U	4.2 U	4 U	10 U	0.2 U
Anthracene		120-12-7	50*	4 U	10 U	0.2 U	0.2 U	1.4 U	4.2 U	4 U	10 U	0.2 U
Benzo(a)anthracene		56-55-3	0.002*	4 U	1 U	0.2 U	0.2 U	1.1 U	4.2 U	4 U	1 U	0.2 U
Benzo(b)fluoranthene		205-99-2	0.002*	4 U	1 U	0.2 U	0.2 U	0.76 U	4.2 U	4 U	1 U	0.2 U
Benzo(k)fluoranthene		207-08-9	0.002*	4 U	1 U	0.2 U	0.2 U	1.9 U	4.2 U	4 U	1 U	0.2 U
Benzo(g,h,i)perylene		191-24-2	NE	4 U	10 U	0.2 U	0.2 U	1.1 U	4.2 U	4 UJ	10 U	0.2 U
Benzo(a)pyrene		50-32-8	ND	4 U	1 U	0.2 U	0.2 U	1.2 U	4.2 U	4 U	1 U	0.2 U
Chrysene		218-01-9	0.002*	4 U	10 U	0.2 U	0.2 U	1.7 U	4.2 U	4 U	10 U	0.2 U
Dibenz(a,h)anthracene		53-70-3	NE	4 U	1 UJ	0.2 U	0.2 U	0.88 U	4.2 U	4 U	1 U	0.2 U
Fluoranthene		206-44-0	50*	4 U	10 U	0.2 U	0.2 U	1.2 U	4.2 U	4 U	10 U	0.2 U
Fluorene		86-73-7	50*	4 U	10 U	0.2 U	0.2 U	1.4 U	4.2 U	4 U	10 U	0.2 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	4 U	1 U	0.2 U	0.2 U	0.84 U	4.2 U	4 U	1 U	0.2 U
2-Methylnaphthalene		91-57-6	NE	4 U	10 U	0.2 U	0.2 U		4.2 U	4 U	10 U	0.2 U
Naphthalene		91-20-3	10*	4 U	10 U	0.2 U	0.2 U	1.4 U	4.2 U	4 U	10 U	0.2 U
Phenanthrene		85-01-8	50*	4 U	10 U	0.2 U	0.2 U	1.4 U	4.2 U	4 U	10 U	0.2 U
Pyrene		129-00-0	50*	4 U	10 U	0.2 U	0.2 U	1.5 U	4.2 U	4 U	10 U	0.2 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L											
Benzyl alcohol		100-51-6	NE	4 U					**0.51 J**	4 U		
Bis(2-chloroethoxy)methane		111-91-1	5	4 U					4.2 U	4 U		
Bis(2-chloroethyl)ether		111-44-4	1	4 U					4.2 U	4 U		
2,2-oxybis(1-Chloropropane)		108-60-1	5	4 U					4.2 U	4 U		
Bis(2-ethylhexyl)phthalate		117-81-7	5	4 U					4.2 U	4 U		
4-Bromophenyl phenyl ether		101-55-3	NE	4 U					4.2 U	4 U		
Butyl benzyl phthalate		85-68-7	50*	4 U					4.2 U	4 U		
Carbazole		86-74-8	NE	4 U					4.2 U	4 U		
4-Chloro-3-methylphenol		59-50-7	NE	5 U					5.3 U	5 U		
4-Chloroaniline		106-47-8	5						4.2 U			
2-Chloronaphthalene		91-58-7	10*	4 U		0.2 U	0.2 U		4.2 U	4 U		0.2 U
2-Chlorophenol		95-57-8	NE	4 U					4.2 U	4 U		
4-Chlorophenyl phenyl ether		7005-72-3	NE	4 U					4.2 U	4 U		
Dibenzofuran		132-64-9	NE	4 U					4.2 U	4 U		
1,2-Dichlorobenzene		95-50-1	3	4 U					4.2 U	4 U		
1,3-Dichlorobenzene		541-73-1	3	4 U					4.2 U	4 U		
1,4-Dichlorobenzene		106-46-7	3	4 U					4.2 U	4 U		
3,3-Dichlorobenzidine		91-94-1	5	4 U					4.2 U	4 U		
2,4-Dichlorophenol		120-83-2	5	4 U					4.2 U	4 U		
Diethyl phthalate		84-66-2	50*	4 U					4.2 U	4 U		
Dimethyl phthalate		131-11-3	50*	4 U					4.2 U	4 U		
2,4-Dimethylphenol		105-67-9	50*	4 U					4.2 U	4 U		
Di-n-butyl phthalate		84-74-2	50	4 U					4.2 U	4 U		
4,6-Dinitro-2-methylphenol		534-52-1	NE	25 U					26 U	25 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name / Sample Name / Sample Date / Parent Sample				B/MW-202(06) B/MW-202(06) 5/6/2011	B/MW-202(06) B/MW-202(06) 8/19/2014	B/MW-202(06) B/MW-202(06) 10/7/2015	B/MW-202(06) B/MW-DUP(15) 10/7/2015 MW-202 (06)	B/MW-203(06) B/MW-203(06) 12/31/2006	B/MW-203(06) B/MW-203(06) 11/18/2010	B/MW-203(06) B/MW-203(06) 5/5/2011	B/MW-203(06) B/MW-203(06) 8/19/2014	B/MW-203(06) B/MW-203(06) 10/7/2015
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
2,4-Dinitrophenol		51-28-5	10*	25 U					26 U	25 U		
2,4-Dinitrotoluene		121-14-2	5	4 U					4.2 U	4 U		
2,6-Dinitrotoluene		606-20-2	5	4 U					4.2 U	4 U		
Di-n-octyl phthalate		117-84-0	50*	4 U					4.2 U	4 U		
Hexachlorobenzene		118-74-1	0.04	4 U					4.2 U	4 U		
Hexachlorobutadiene (C-46)		87-68-3	0.5	4 U					4.2 U	4 UJ		
Hexachlorocyclopentadiene		77-47-4	5	4 U					4.2 U	4 U		
Hexachloroethane		67-72-1	5	4 U					4.2 U	4 U		
Isophorone		78-59-1	50*	4 U					4.2 U	4 U		
2-Methylphenol (o-Cresol)		95-48-7	1	4 U					4.2 U	4 U		
4-Methylphenol (p-Cresol)		106-44-5	1	4 U					4.2 U	4 U		
2-Nitroaniline		88-74-4	5	4 U					4.2 U	4 U		
3-Nitroaniline		99-09-2	5	4 U					4.2 U	4 U		
4-Nitroaniline		100-01-6	5	4 U					4.2 U	4 U		
Nitrobenzene		98-95-3	0.4	4 U					4.2 U	4 U		
2-Nitrophenol		88-75-5	NE	4 U					4.2 U	4 U		
4-Nitrophenol		100-02-7	NE	10 U					11 U	10 U		
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	4 U					4.2 U	4 U		
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	4 U					4.2 U	4 U		
Pentachlorophenol		87-86-5	1	25 U					26 U	25 U		
Phenol		108-95-2	1	4 U					4.2 U	4 U		
1,2,4-Trichlorobenzene		120-82-1	5	4 U					4.2 U	4 U		
2,4,5-Trichlorophenol		95-95-4	NE	10 U					11 U	10 U		
2,4,6-Trichlorophenol		88-06-2	NE	4 U					4.2 U	4 U		
Total SVOCs (ND=0)		TSVOC_ND0	NE					ND				
PCB Aroclors	ug/L											
Total PCBs (Lab calculated)		1336-36-3	0.09									
Pesticides	ug/L											
Aldrin		309-00-2	ND									
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04									
4,4-DDD (p,p-DDD)		72-54-8	0.3									
Total Metals	ug/L											
Aluminum		7429-90-5	NE	250 U					**36.9 J**	**269**		
Antimony		7440-36-0	3	15 U					15 U	15 U		
Arsenic		7440-38-2	25	15 U					15 U	15 U		
Barium		7440-39-3	1000	**86.9**					**102**	**197**		
Beryllium		7440-41-7	3*	5 U					5 U	5 U		
Cadmium		7440-43-9	5	5 U					5 U	5 U		
Calcium		7440-70-2	NE	**166000**					**67600**	**167000**		
Chromium		7440-47-3	50	5 U					5 U	5 U		
Cobalt		7440-48-4	NE	5 U					5 U	**5 J**		
Copper		7440-50-8	200	**2.3 J**					**4.3 J**	**4 J**		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)
			Sample Name	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-DUP(15)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)
			Sample Date	5/6/2011	8/19/2014	10/7/2015	10/7/2015	12/31/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
			Parent Sample				MW-202 (06)					
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
Iron		7439-89-6	300	**97.7 J**					**150**	**591**		
Lead		7439-92-1	25	15 U					15 U	15 U		
Magnesium		7439-95-4	35000*	**42300**					**10900**	**29400**		
Manganese		7439-96-5	300	**1360**					**1670**	**458**		
Mercury		7439-97-6	0.7	0.2 U					0.4 U	0.2 U		
Nickel		7440-02-0	100	**2 J**					**1.8 J**	**2 J**		
Potassium		7440-09-7	NE	**24000**					**13700**	**23600**		
Selenium		7782-49-2	10	38 U					38 U	38 U		
Silver		7440-22-4	50	5 U					5 U	5 U		
Sodium		7440-23-5	20000	**233000**					**350000**	**713000**		
Thallium		7440-28-0	0.5*	15 U					15 U	15 U		
Vanadium		7440-62-2	NE	**1.3 J**					**3 J**	**2.8 J**		
Zinc		7440-66-6	2000*	25 U					25 U	25 U		
Cyanides	ug/L											
Total Cyanide		57-12-5	200	**6.5 J**					**5 J**	**3.9 J**		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)
			Sample Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)
			Sample Date	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011
			Parent Sample								B/MW-324 (10)		B/MW-324(10)
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
BTEX	ug/L												
Benzene		71-43-2	1	5 U	5 U	5 U	5 U	5 U	5 U	**1900**	**1900**	**700**	**670**
Toluene		108-88-3	5	5 U	5 U	5 U	5 U	5 U	5 U	**77 J**	**80 J**	**130**	**130**
Ethylbenzene		100-41-4	5	5 U	5 U	5 U	5 U	5 U	5 U	**380**	**390**	**480**	**460**
o-Xylene		95-47-6	5										
m/p-Xylene		179601-23-1	5										
Total Xylene		1330-20-7	5	5 U	5 U	5 U	5 U	5 U	5 U	**610**	**620**	**480**	**470**
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	**2967**	**2990**	**1790**	**1730**
Other VOCs	ug/L												
Acetone		67-64-1	50*	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U
Bromodichloromethane		75-27-4	50*	5 U	5 U	5 U	5 U	**2.1 J**	**3.3 J**	250 U	250 U	50 U	50 U
Bromoform		75-25-2	50*	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U
Bromomethane		74-83-9	5	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U
Carbon disulfide		75-15-0	60*	**0.97 J**	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Carbon tetrachloride		56-23-5	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Chlorobenzene		108-90-7	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Chloroethane		75-00-3	5	5 U	5 UJ	5 U	5 UJ	5 U	5 UJ	250 U	250 U	50 UJ	50 UJ
Chloroform		67-66-3	7	5 U	5 U	5 U	5 U	**27**	**36**	250 U	250 U	50 U	50 U
Chloromethane		74-87-3	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Cyclohexane		110-82-7	NE										
Dibromochloromethane		124-48-1	50*	5 U	5 U	5 U	5 U	5 U	5 U	250 UJ	250 UJ	50 U	50 U
1,1-Dichloroethane		75-34-3	5	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	250 UJ	250 UJ	50 U	50 U
1,2-Dichloroethane		107-06-2	0.6	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
1,1-Dichloroethene		75-35-4	0.07	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
cis-1,2-Dichloroethene		156-59-2	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
trans-1,2-Dichloroethene		156-60-5	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
1,2-Dichloropropane		78-87-5	1	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
cis-1,3-Dichloropropene		10061-01-5	0.4	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
trans-1,3-Dichloropropene		10061-02-6	0.4	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
2-Hexanone		591-78-6	50*	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U
Isopropylbenzene		98-82-8	5										
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	100 U	100 U
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	10 U	10 U	10 U	10 U	10 U	10 U	500 UJ	500 UJ	100 U	100 U
Methylcyclohexane		108-87-2	NE										
Methylene chloride		75-09-2	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Styrene		100-42-5	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
1,1,2,2-Tetrachloroethane		79-34-5	5	5 U	5 U	5 U	5 U	5 U	5 U	250 UJ	250 UJ	50 U	50 U
Tetrachloroethene (PCE)		127-18-4	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
1,1,1-Trichloroethane (TCA)		71-55-6	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
1,1,2-Trichloroethane		79-00-5	1	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Trichloroethene (TCE)		79-01-6	5	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U
Vinyl chloride		75-01-4	2	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	50 U	50 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Location Name				B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)
Sample Name				B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)
Sample Date				11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011
Parent Sample											B/MW-324 (10)		B/MW-324(10)
Analyte	Units	CAS No.	NYS AWQS										
NYSDEC PAH17	ug/L												
Acenaphthene		83-32-9	20*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**170 J**	**160 J**	**210 J**	**190 J**
Acenaphthylene		208-96-8	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**24 J**	**21 J**	**79 J**	**67 J**
Anthracene		120-12-7	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Benzo(a)anthracene		56-55-3	0.002*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Benzo(b)fluoranthene		205-99-2	0.002*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Benzo(k)fluoranthene		207-08-9	0.002*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Benzo(g,h,i)perylene		191-24-2	NE	4.4 U	4 UJ	4.3 U	4 UJ	4.3 U	4 UJ	200 U	220 U	400 U	400 U
Benzo(a)pyrene		50-32-8	ND	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Chrysene		218-01-9	0.002*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Dibenz(a,h)anthracene		53-70-3	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Fluoranthene		206-44-0	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Fluorene		86-73-7	50*	4.4 U	**0.33 J**	4.3 U	4 U	4.3 U	4 U	**78 J**	**73 J**	**100 J**	**92 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2-Methylnaphthalene		91-57-6	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**150 J**	**130 J**	**230 J**	**200 J**
Naphthalene		91-20-3	10*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**3800**	**3700**	**5000**	**4700**
Phenanthrene		85-01-8	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**72 J**	**66 J**	**99 J**	**89 J**
Pyrene		129-00-0	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	**0.33**	ND	ND	ND	ND	**4294**	**4150**	**5718**	**5338**
NYSDEC PAH17 Other SVOCs	ug/L												
Benzyl alcohol		100-51-6	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Bis(2-chloroethoxy)methane		111-91-1	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Bis(2-chloroethyl)ether		111-44-4	1	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2,2-oxybis(1-Chloropropane)		108-60-1	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Bis(2-ethylhexyl)phthalate		117-81-7	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4-Bromophenyl phenyl ether		101-55-3	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Butyl benzyl phthalate		85-68-7	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Carbazole		86-74-8	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**160 J**	**150 J**	**220 J**	**190 J**
4-Chloro-3-methylphenol		59-50-7	NE	5.5 U	5 U	5.3 U	5 U	5.4 U	5 U	250 U	270 U	500 U	500 U
4-Chloroaniline		106-47-8	5	4.4 U		4.3 U		4.3 U		200 U	220 U		
2-Chloronaphthalene		91-58-7	10*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2-Chlorophenol		95-57-8	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4-Chlorophenyl phenyl ether		7005-72-3	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Dibenzofuran		132-64-9	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**91 J**	**80 J**	**110 J**	**98 J**
1,2-Dichlorobenzene		95-50-1	3	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
1,3-Dichlorobenzene		541-73-1	3	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
1,4-Dichlorobenzene		106-46-7	3	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
3,3-Dichlorobenzidine		91-94-1	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2,4-Dichlorophenol		120-83-2	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Diethyl phthalate		84-66-2	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Dimethyl phthalate		131-11-3	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2,4-Dimethylphenol		105-67-9	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**29 J**	**25 J**	**34 J**	**42 J**
Di-n-butyl phthalate		84-74-2	50	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4,6-Dinitro-2-methylphenol		534-52-1	NE	27 U	25 U	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)
			Sample Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)
			Sample Date	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011
			Parent Sample								B/MW-324 (10)		B/MW-324(10)
Analyte	Units	CAS No.	NYS AWQS										
2,4-Dinitrophenol		51-28-5	10*	27 U	25 U	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U
2,4-Dinitrotoluene		121-14-2	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2,6-Dinitrotoluene		606-20-2	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Di-n-octyl phthalate		117-84-0	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Hexachlorobenzene		118-74-1	0.04	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Hexachlorobutadiene (C-46)		87-68-3	0.5	4.4 U	4 UJ	4.3 U	4 UJ	4.3 U	4 UJ	200 U	220 U	400 U	400 U
Hexachlorocyclopentadiene		77-47-4	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Hexachloroethane		67-72-1	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Isophorone		78-59-1	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2-Methylphenol (o-Cresol)		95-48-7	1	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4-Methylphenol (p-Cresol)		106-44-5	1	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2-Nitroaniline		88-74-4	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
3-Nitroaniline		99-09-2	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4-Nitroaniline		100-01-6	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Nitrobenzene		98-95-3	0.4	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2-Nitrophenol		88-75-5	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
4-Nitrophenol		100-02-7	NE	11 U	10 U	11 U	10 U	11 U	10 U	500 U	540 U	1000 U	1000 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Pentachlorophenol		87-86-5	1	27 U	25 U	27 U	25 U	27 U	25 U	1200 U	1400 U	2500 U	2500 U
Phenol		108-95-2	1	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	**14 J**	**17 J**	400 U	400 U
1,2,4-Trichlorobenzene		120-82-1	5	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
2,4,5-Trichlorophenol		95-95-4	NE	11 U	10 U	11 U	10 U	11 U	10 U	500 U	540 U	1000 U	1000 U
2,4,6-Trichlorophenol		88-06-2	NE	4.4 U	4 U	4.3 U	4 U	4.3 U	4 U	200 U	220 U	400 U	400 U
Total SVOCs (ND=0)		TSVOC_ND0	NE										
PCB Aroclors	ug/L												
Total PCBs (Lab calculated)		1336-36-3	0.09										
Pesticides	ug/L												
Aldrin		309-00-2	ND										
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04										
4,4-DDD (p,p-DDD)		72-54-8	0.3										
Total Metals	ug/L												
Aluminum		7429-90-5	NE	**75.1 J**	250 U	250 U	250 U	**14.6 J**	250 U	**22.1 J**	250 U	**12.4 J**	**12 J**
Antimony		7440-36-0	3	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Arsenic		7440-38-2	25	15 U	15 U	15 U	15 U	15 U	15 U	**10.3 J**	**10.7 J**	**14.6 J**	**13.2 J**
Barium		7440-39-3	1000	**239**	**270**	**46.8**	**69.6**	**13.1**	**13.1**	**743**	**757**	**493**	**445**
Beryllium		7440-41-7	3*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium		7440-43-9	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		7440-70-2	NE	**139000**	**164000**	**115000**	**106000**	**29900**	**29700**	**220000**	**219000**	**293000**	**287000**
Chromium		7440-47-3	50	5 U	5 U	5 U	**4.1 J**	5 U	5 U	**0.69 J**	**1.2 J**	5 U	5 U
Cobalt		7440-48-4	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper		7440-50-8	200	**2.5 J**	**1.8 J**	**1.8 J**	10 U	**2.7 J**	10 U	10 U	10 U	**2.6 J**	10 U

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)	B/MW-324(10)
			Sample Name	B/MW-301(10)	B/MW-301(10)	B/MW-302(10)	B/MW-302(10)	B/MW-303(10)	B/MW-303(10)	B/MW-324(10)	B/MW-224(10)	B/MW-324(10)	B/MW-224(10)
			Sample Date	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/18/2010	5/5/2011	11/19/2010	11/19/2010	5/6/2011	5/6/2011
			Parent Sample								B/MW-324 (10)		B/MW-324(10)
Analyte	**Units**	**CAS No.**	**NYS AWQS**										
Iron		7439-89-6	300	**366**	**1700**	**62.1 J**	**27.9 J**	**16.7 J**	125 U	**24200**	**24500**	**23600**	**22400**
Lead		7439-92-1	25	15 UJ	15 U	15 UJ	15 U	15 UJ	15 U	15 U	15 U	15 U	15 U
Magnesium		7439-95-4	35000*	**35600**	**45000**	**39200**	**40700**	**4720**	**5670**	**86900**	**87000**	**106000**	**105000**
Manganese		7439-96-5	300	**4450**	**3270**	**1360**	**140**	**0.49 J**	8 U	**7450**	**7520**	**2760**	**2500**
Mercury		7439-97-6	0.7	0.4 U	0.2 U	0.4 U	0.2 U	0.4 U	0.2 U	0.4 U	0.4 U	0.2 U	0.2 U
Nickel		7440-02-0	100	**1.6 J**	**1.6 J**	**2.1 J**	5 U	5 U	5 U	**1.3 J**	5 U	5 U	5 U
Potassium		7440-09-7	NE	**18300**	**17000**	**19900**	**21900**	**1510**	**1710**	**21500**	**21700**	**12600**	**11100**
Selenium		7782-49-2	10	38 U	38 U	38 U	38 U	38 U	38 U	38 UJ	38 UJ	38 U	38 U
Silver		7440-22-4	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium		7440-23-5	20000	**379000**	**340000**	**147000**	**105000**	**17000**	**23500**	**292000**	**297000**	**470000**	**461000**
Thallium		7440-28-0	0.5*	15 U	15 U	15 U	15 U	15 U	15 U	15 UJ	15 UJ	15 U	15 U
Vanadium		7440-62-2	NE	**2.8 J**	**1.6 J**	5 U	5 U	5 U	5 U	**2.5 J**	**2.6 J**	**1.3 J**	5 U
Zinc		7440-66-6	2000*	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Cyanides	ug/L												
Total Cyanide		57-12-5	200	**3.1 J**	**3.6 J**	**137**	**74**	10 U	10 U	**67.3**	**50.7**	**44.4**	**42.3**

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Date	5/6/2011	8/19/2014	10/7/2015
			Parent Sample			
Analyte	**Units**	**CAS No.**	**NYS AWQS**			
BTEX	ug/L					
Benzene		71-43-2	1	5 U	1 U	0.5 U
Toluene		108-88-3	5	5 U	1 U	2.5 U
Ethylbenzene		100-41-4	5	5 U	1 U	2.5 U
o-Xylene		95-47-6	5			2.5 U
m/p-Xylene		179601-23-1	5			2.5 U
Total Xylene		1330-20-7	5	5 U	2 U	2.5 U
Total BTEX (ND=0)		TBTEX_ND0	NE	ND	ND	ND
Other VOCs	ug/L					
Acetone		67-64-1	50*	10 U		
Bromodichloromethane		75-27-4	50*	**1 J**		
Bromoform		75-25-2	50*	5 U		
Bromomethane		74-83-9	5	5 U		
Carbon disulfide		75-15-0	60*	5 U		
Carbon tetrachloride		56-23-5	5	5 U		
Chlorobenzene		108-90-7	5	5 U		
Chloroethane		75-00-3	5	5 UJ		
Chloroform		67-66-3	7	**20**		
Chloromethane		74-87-3	5	5 U		
Cyclohexane		110-82-7	NE			
Dibromochloromethane		124-48-1	50*	5 U		
1,1-Dichloroethane		75-34-3	5	5 U		
1,2-Dichloroethane		107-06-2	0.6	5 U		
1,1-Dichloroethene		75-35-4	0.07	5 U		
cis-1,2-Dichloroethene		156-59-2	5	5 U		
trans-1,2-Dichloroethene		156-60-5	5	5 U		
1,2-Dichloropropane		78-87-5	1	5 U		
cis-1,3-Dichloropropene		10061-01-5	0.4	5 U		
trans-1,3-Dichloropropene		10061-02-6	0.4	5 U		
2-Hexanone		591-78-6	50*	10 U		
Isopropylbenzene		98-82-8	5			
Methyl ethyl ketone (2-Butanone)		78-93-3	50*	10 U		
4-Methyl-2-pentanone (MIBK)		108-10-1	NE	10 U		
Methylcyclohexane		108-87-2	NE			
Methylene chloride		75-09-2	5	5 U		
Styrene		100-42-5	5	5 U		
1,1,2,2-Tetrachloroethane		79-34-5	5	5 U		
Tetrachloroethene (PCE)		127-18-4	5	5 U		
1,1,1-Trichloroethane (TCA)		71-55-6	5	5 U		
1,1,2-Trichloroethane		79-00-5	1	5 U		
Trichloroethene (TCE)		79-01-6	5	5 U		
Vinyl chloride		75-01-4	2	5 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Date	5/6/2011	8/19/2014	10/7/2015
			Parent Sample			
Analyte	**Units**	**CAS No.**	**NYS AWQS**			
NYSDEC PAH17	ug/L					
Acenaphthene		83-32-9	20*	4 U	10 U	0.2 U
Acenaphthylene		208-96-8	NE	4 U	10 U	0.2 U
Anthracene		120-12-7	50*	4 U	10 U	0.2 U
Benzo(a)anthracene		56-55-3	0.002*	4 U	1 U	0.2 U
Benzo(b)fluoranthene		205-99-2	0.002*	4 U	1 U	0.2 U
Benzo(k)fluoranthene		207-08-9	0.002*	4 U	1 U	0.2 U
Benzo(g,h,i)perylene		191-24-2	NE	4 U	10 U	0.2 U
Benzo(a)pyrene		50-32-8	ND	4 U	1 U	0.2 U
Chrysene		218-01-9	0.002*	4 U	10 U	0.2 U
Dibenz(a,h)anthracene		53-70-3	NE	4 U	1 U	0.2 U
Fluoranthene		206-44-0	50*	4 U	10 U	0.2 U
Fluorene		86-73-7	50*	4 U	10 U	0.2 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	4 U	1 U	0.2 U
2-Methylnaphthalene		91-57-6	NE	4 U	10 U	0.2 U
Naphthalene		91-20-3	10*	4 U	10 U	0.2 U
Phenanthrene		85-01-8	50*	4 U	10 U	0.2 U
Pyrene		129-00-0	50*	4 U	10 U	0.2 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	ND	ND	ND
NYSDEC PAH17 Other SVOCs	ug/L					
Benzyl alcohol		100-51-6	NE	4 U		
Bis(2-chloroethoxy)methane		111-91-1	5	4 U		
Bis(2-chloroethyl)ether		111-44-4	1	4 U		
2,2-oxybis(1-Chloropropane)		108-60-1	5	4 U		
Bis(2-ethylhexyl)phthalate		117-81-7	5	4 U		
4-Bromophenyl phenyl ether		101-55-3	NE	4 U		
Butyl benzyl phthalate		85-68-7	50*	4 U		
Carbazole		86-74-8	NE	4 U		
4-Chloro-3-methylphenol		59-50-7	NE	5 U		
4-Chloroaniline		106-47-8	5			
2-Chloronaphthalene		91-58-7	10*	4 U		0.2 U
2-Chlorophenol		95-57-8	NE	4 U		
4-Chlorophenyl phenyl ether		7005-72-3	NE	4 U		
Dibenzofuran		132-64-9	NE	4 U		
1,2-Dichlorobenzene		95-50-1	3	4 U		
1,3-Dichlorobenzene		541-73-1	3	4 U		
1,4-Dichlorobenzene		106-46-7	3	4 U		
3,3-Dichlorobenzidine		91-94-1	5	4 U		
2,4-Dichlorophenol		120-83-2	5	4 U		
Diethyl phthalate		84-66-2	50*	4 U		
Dimethyl phthalate		131-11-3	50*	4 U		
2,4-Dimethylphenol		105-67-9	50*	4 U		
Di-n-butyl phthalate		84-74-2	50	4 U		
4,6-Dinitro-2-methylphenol		534-52-1	NE	25 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Date	5/6/2011	8/19/2014	10/7/2015
			Parent Sample			
Analyte	**Units**	**CAS No.**	**NYS AWQS**			
2,4-Dinitrophenol		51-28-5	10*	25 U		
2,4-Dinitrotoluene		121-14-2	5	4 U		
2,6-Dinitrotoluene		606-20-2	5	4 U		
Di-n-octyl phthalate		117-84-0	50*	4 U		
Hexachlorobenzene		118-74-1	0.04	4 U		
Hexachlorobutadiene (C-46)		87-68-3	0.5	4 U		
Hexachlorocyclopentadiene		77-47-4	5	4 U		
Hexachloroethane		67-72-1	5	4 U		
Isophorone		78-59-1	50*	4 U		
2-Methylphenol (o-Cresol)		95-48-7	1	4 U		
4-Methylphenol (p-Cresol)		106-44-5	1	4 U		
2-Nitroaniline		88-74-4	5	4 U		
3-Nitroaniline		99-09-2	5	4 U		
4-Nitroaniline		100-01-6	5	4 U		
Nitrobenzene		98-95-3	0.4	4 U		
2-Nitrophenol		88-75-5	NE	4 U		
4-Nitrophenol		100-02-7	NE	10 U		
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	4 U		
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	4 U		
Pentachlorophenol		87-86-5	1	25 U		
Phenol		108-95-2	1	4 U		
1,2,4-Trichlorobenzene		120-82-1	5	4 U		
2,4,5-Trichlorophenol		95-95-4	NE	10 U		
2,4,6-Trichlorophenol		88-06-2	NE	4 U		
Total SVOCs (ND=0)		TSVOC_ND0	NE			
PCB Aroclors	ug/L					
Total PCBs (Lab calculated)		1336-36-3	0.09			
Pesticides	ug/L					
Aldrin		309-00-2	ND			
delta-BHC (delta-Hexachlorocyclohexane)		319-86-8	0.04			
4,4-DDD (p,p-DDD)		72-54-8	0.3			
Total Metals	ug/L					
Aluminum		7429-90-5	NE	250 U		
Antimony		7440-36-0	3	15 U		
Arsenic		7440-38-2	25	15 U		
Barium		7440-39-3	1000	**79.9**		
Beryllium		7440-41-7	3*	5 U		
Cadmium		7440-43-9	5	5 U		
Calcium		7440-70-2	NE	**43500**		
Chromium		7440-47-3	50	5 U		
Cobalt		7440-48-4	NE	5 U		
Copper		7440-50-8	200	10 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

			Location Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Name	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
			Sample Date	5/6/2011	8/19/2014	10/7/2015
			Parent Sample			
Analyte	**Units**	**CAS No.**	**NYS AWQS**			
Iron		7439-89-6	300	**16.6 J**		
Lead		7439-92-1	25	15 U		
Magnesium		7439-95-4	35000*	**10300**		
Manganese		7439-96-5	300	**92.1**		
Mercury		7439-97-6	0.7	0.2 U		
Nickel		7440-02-0	100	**1.7 J**		
Potassium		7440-09-7	NE	**4380**		
Selenium		7782-49-2	10	38 U		
Silver		7440-22-4	50	5 U		
Sodium		7440-23-5	20000	**45600**		
Thallium		7440-28-0	0.5*	15 U		
Vanadium		7440-62-2	NE	5 U		
Zinc		7440-66-6	2000*	25 U		
Cyanides	ug/L					
Total Cyanide		57-12-5	200	10 U		

Table 4. Groundwater Analysis Results
2015 Post-Remediation Groundwater Sampling
Troy (Liberty Street) Non-Owned Former MGP Site
Troy, New York

Notes:

Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Total BTEX and Total PAHs are calculated using detects only.
Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene

Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

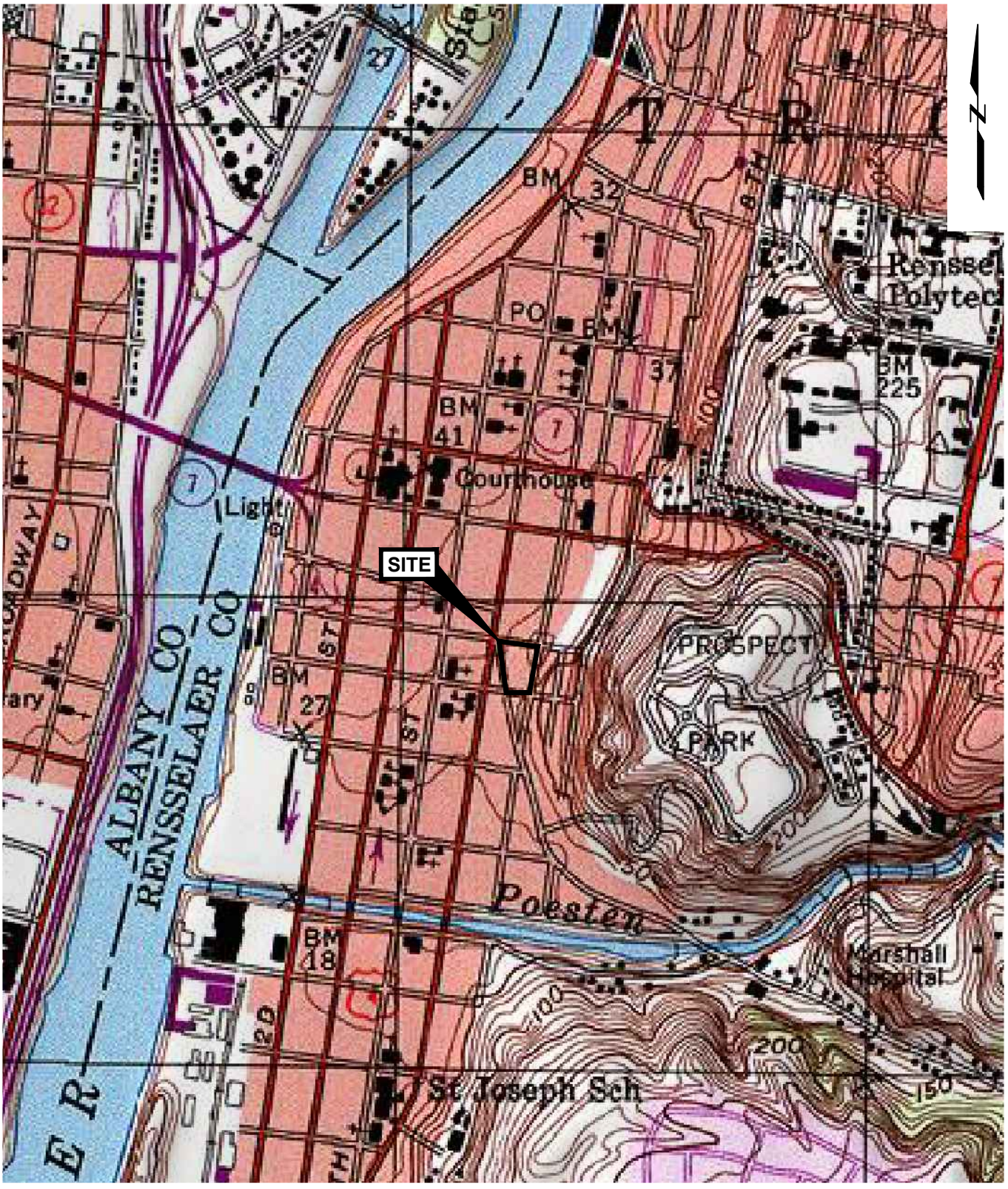
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
ND = Not Detected
NYSDEC = New York State Department of Environmental Conservation

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the NYSDOH guidance it was compared to
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Data Qualifiers:
D = The result is for a diluted sample.
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Figures



0 2000' 4000'

SCALE: 1" = 2000'

SOURCE: Map created with TOPO! ® © 2001 National Geographic (www.nationalgeographic.com/topo)

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-Owned Former MGP Site
City of Troy, Rensselaer County, New York

nationalgrid

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SITE LOCATION PLAN

Project 093300

November 2015 Fig. 1

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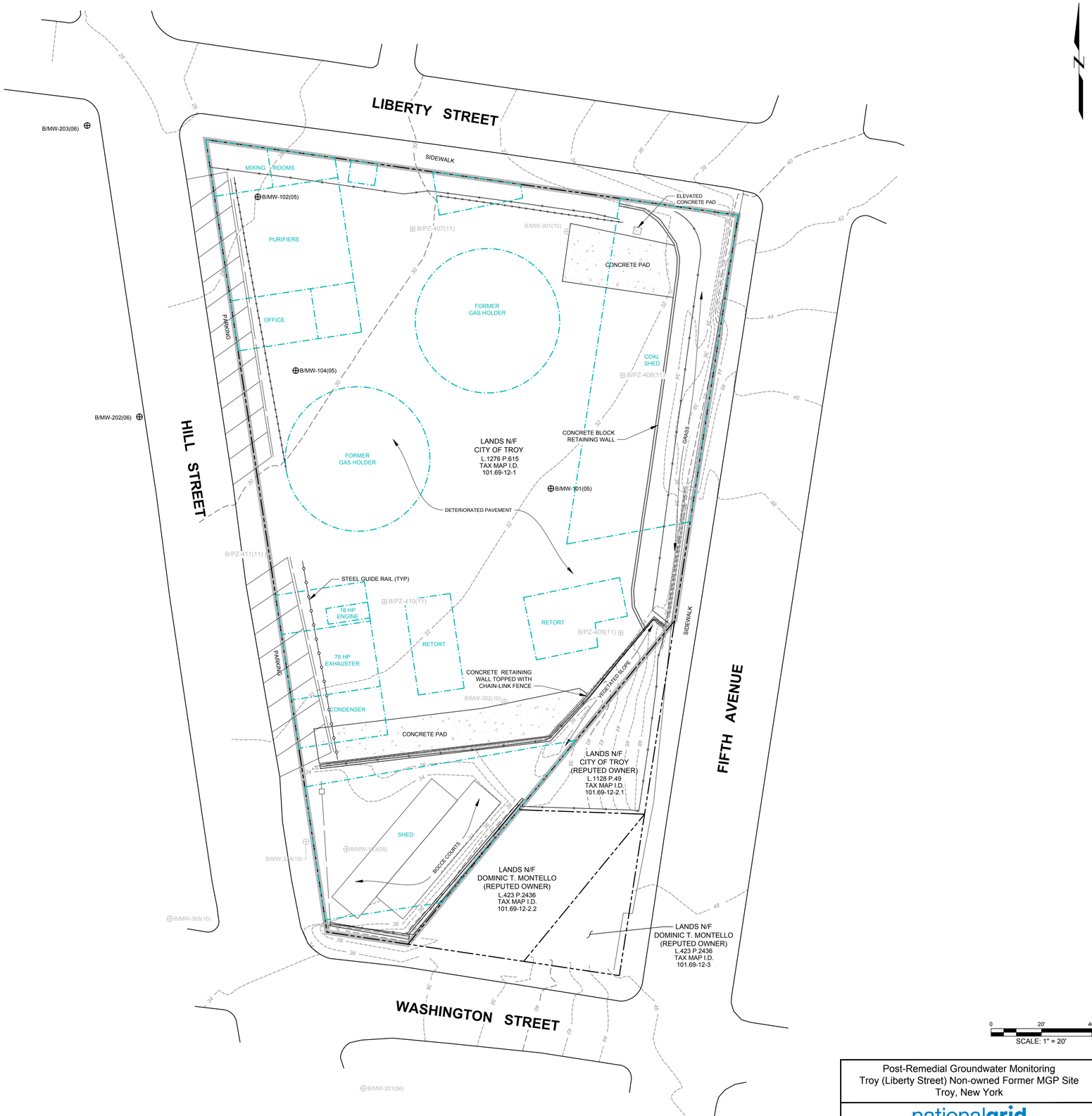

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 38 — GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- CONCRETE PAD
- ⊕ B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- ⊕ B/MW-201(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- ⊕ B/MW-301(10) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2010)
- ⊕ B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)
- ⊞ B/PZ-407(11) — SOIL BORING/PIEZOMETER LOCATION (GEI, 2011)

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET,* CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

nationalgrid

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HISTORIC STRUCTURES, CURRENT SITE CONDITIONS, AND MONITORING WELLS

Project 093300 | November 2015 | Fig. 2

Sample Name:	NYS	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)	B/MW-203(06)
Sample Date:	AWQS	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
BTEX (ug/L)						
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND
PAHs						
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND
Cyanides						
Total Cyanide	200	NA	**5 J**	**3.9 J**	NA	NA

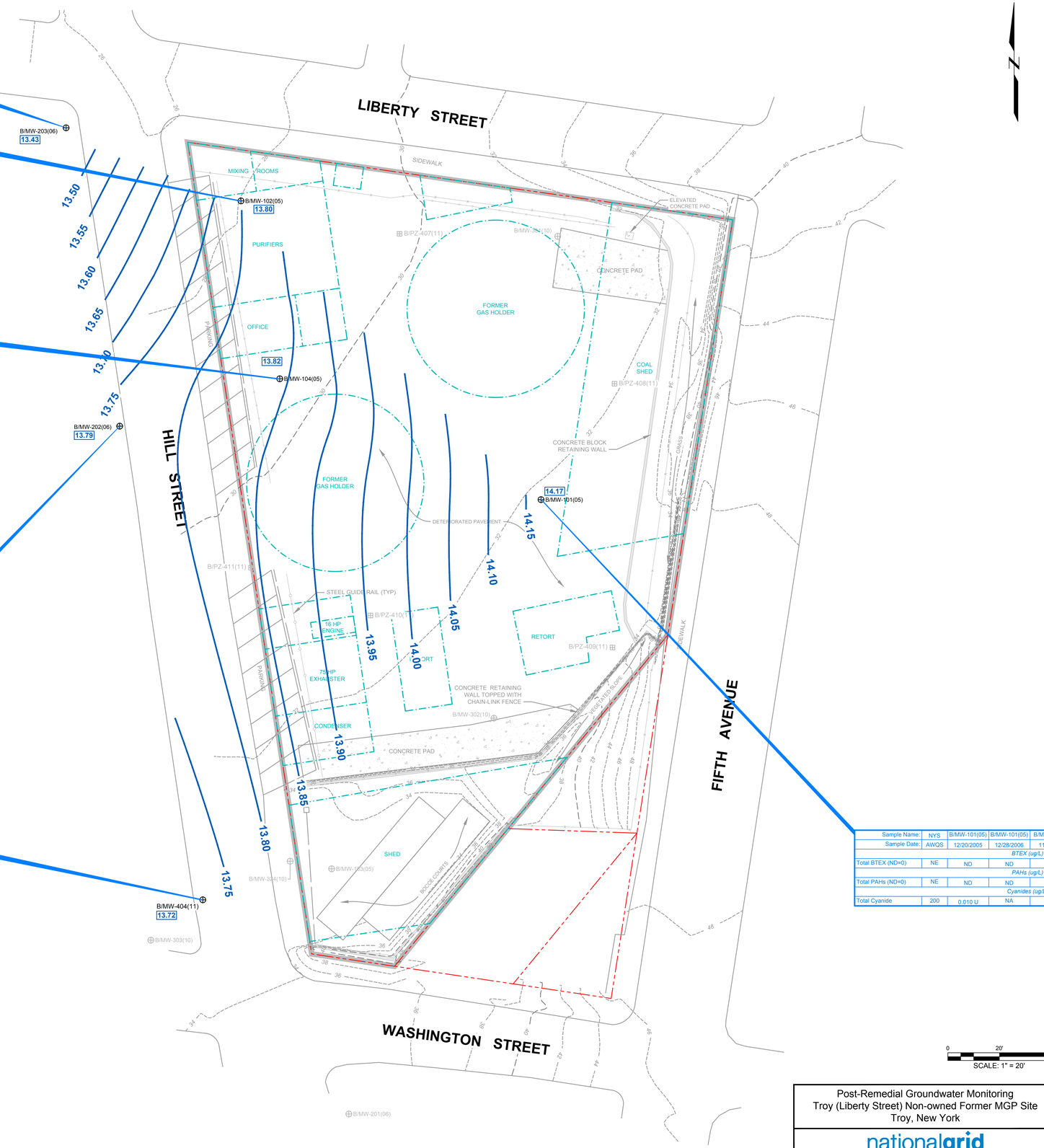
Sample Name:	NYS	B/MW-102(05)	B/MW-102(05)	B/MW-102 (05)	B/MW-102(05)	B/MW-102(05)	Duplicate of B/MW-102(05)	B/MW-102(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/19/2010	5/5/2011	8/19/2014	8/19/2014	10/7/2015
BTEX (ug/L)								
Total BTEX (ND=0)	NE	**0.72**	ND	ND	ND	**0.086**	ND	ND
PAHs (ug/L)								
Acenaphthene	20*	**42**	**15 JD**	4.4 U	4 U	10 U	11 U	0.2 U
Benzo(a)anthracene	0.002*	**2.7 J**	**39 JD**	4.4 U	4 U	**1.8**	**1.7**	0.2 U
Benzo(b)fluoranthene	0.002*	**3.0 J**	**40 JD**	4.4 U	4 U	**1.9**	**2.1**	0.2 U
Benzo(k)fluoranthene	0.002*	NA	**25 JD**	4.4 U	4 U	**0.82 J**	**0.81 J**	0.2 U
Benzo(a)pyrene	ND	**2.9 J**	**46 JD**	4.4 U	4 U	**1.8 J**	**1.9 J**	0.2 U
Chrysene	0.002*	**3 J**	**36 JD**	4.4 U	4 U	**2.2 J**	**1.6 J**	0.2 U
Fluoranthene	50*	**12**	**76 D**	4.4 U	4 U	**3.4 J**	**3.4 J**	0.2 U
Indeno(1,2,3-cd)pyrene	0.002*	**2.7 J**	**33 JD**	4.4 U	4 U	**0.89 J**	**0.55 J**	0.2 U
Pyrene	50*	**10 J**	**180 D**	4.4 U	4 U	**3.9 J**	**4 J**	0.2 U
Total PAHs (ND=0)	NE	**162.4**	**609.4**	ND	ND	**18.01**	**17.16**	ND
Cyanides (ug/L)								
Total Cyanide	200	**0.965**	NA	**189**	**166**	NA	NA	NA

Sample Name:	NYS	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)	B/MW-104(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
BTEX (ug/L)							
Benzene	1	**2.7 J**	**1.9 J**	5 U	5 U	1 U	0.5 U
m/p-Xylene	5	**6.2 J**	1.2 U	NA	NA	NA	2.5 U
Total BTEX (ND=0)	NE	**13.4**	**1.9**	ND	ND	ND	ND
PAHs (ug/L)							
Acenaphthene	20*	**14**	**22 JD**	4.3 U	4 U	10 U	0.2 U
Benzo(a)anthracene	0.002*	**2.2 J**	**56 D**	4.3 U	4 U	1 U	0.2 U
Benzo(b)fluoranthene	0.002*	**1.6 J**	**47 JD**	4.3 U	4 U	1 U	0.2 U
Benzo(k)fluoranthene	0.002*	NA	**31 JD**	4.3 U	4 U	1 U	0.2 U
Benzo(a)pyrene	ND	**1.6 J**	**10 JD**	4.3 U	4 U	1 U	0.2 U
Chrysene	0.002*	**2 J**	**50 JD**	4.3 U	4 U	10 U	0.2 U
Fluoranthene	50*	**9.3 J**	**73 D**	4.3 U	4 U	10 U	0.2 U
Indeno(1,2,3-cd)pyrene	0.002*	**1 J**	**28 JD**	4.3 U	4 U	1 U	0.2 U
Phenanthrene	50*	**24**	**89 D**	4.3 U	4 U	10 U	0.2 U
Pyrene	50*	**6.2 J**	**160 D**	4.3 U	4 U	10 U	0.2 U
Total PAHs (ND=0)	NE	**89.7**	**651.6**	ND	ND	ND	ND
Cyanides (ug/L)							
Total Cyanide	200	0.01 U	NA	**19.6**	**5.9 J**	NA	NA

Sample Name:	NYS	B/MW-202(06)	Duplicate of B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	B/MW-202(06)	Duplicate of B/MW-202(06)
Sample Date:	AWQS	12/28/2006	12/28/2006	11/18/2010	5/6/2011	8/19/2014	10/7/2015	10/7/2015
BTEX (ug/L)								
Benzene	1	**1.6 J**	0.39 U	5 U	5 U	1 U	0.5 U	0.5 U
Total BTEX (ND=0)	NE	**1.6**	ND	ND	**1**	ND	ND	ND
PAHs (ug/L)								
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND	ND	ND
Cyanides (ug/L)								
Total Cyanide	200	NA	NA	**4.1 J**	**6.5 J**	NA	NA	NA

Sample Name:	NYS	B/MW-404(11)	B/MW-404(11)	B/MW-404(11)
Sample Date:	AWQS	5/6/2011	8/19/2014	10/7/2015
BTEX (ug/L)				
Total BTEX (ND=0)	NE	ND	ND	ND
Other VOCs (ug/L)				
Chloroform	7	**20**	NA	NA
PAHs (ug/L)				
Total PAHs (ND=0)	NE	ND	ND	ND
Cyanides				
Total Cyanide	200	10 U	NA	NA

Sample Name:	NYS	B/MW-101(05)	B/MW-101(05)	B/MW-101 (05)	B/MW-101(05)	B/MW-101(05)	B/MW-101(05)
Sample Date:	AWQS	12/20/2005	12/28/2006	11/18/2010	5/5/2011	8/19/2014	10/7/2015
BTEX (ug/L)							
Total BTEX (ND=0)	NE	ND	ND	ND	ND	ND	ND
PAHs (ug/L)							
Total PAHs (ND=0)	NE	ND	ND	ND	ND	ND	ND
Cyanides (ug/L)							
Total Cyanide	200	0.010 U	NA	10 U	10 U	NA	NA



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- GROUND SURFACE CONTOURS (FROM 1/4/2006 SURVEY, PRIOR TO INSTALLATION OF CONCRETE BLOCK RETAINING WALL)
- CONCRETE BLOCK RETAINING WALL
- CHAIN-LINK FENCE
- METAL FENCE WITH BRICK PILLARS
- GUIDE RAIL
- EDGE OF PAVEMENT
- HISTORICAL STRUCTURE BASED ON 1885 SANBORN FIRE INSURANCE MAP
- FORMER GAS HOLDER
- CONCRETE PAD
- B/MW-101(05) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC,2005)
- B/MW-201(06) — SOIL BORING/ MONITORING WELL LOCATION (EA ENGINEERING PC, 2006)
- B/MW-301(10) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2010)
- B/MW-404(11) — SOIL BORING/ MONITORING WELL LOCATION (GEI, 2011)
- B/PZ-407(11) — SOIL BORING/PIEZOMETER LOCATION (GEI, 2011)
- 14.0 — GROUNDWATER CONTOUR (FEET MSL) (2014)
- 14.0 — GROUNDWATER ELEVATION (FEET MSL) (2014)

ANALYTICAL BOX NOTES

NYS AWQS - New York State Ambient Water Quality Standards

100	COMPOUNDS THAT EXCEED NEW YORK STATE AMBIENT WATER QUALITY STANDARDS (NYS AWQS) AND GUIDANCE VALUES FOR GA GROUNDWATER
NA	NOT AVAILABLE, NOT APPLICABLE, OR NOT ANALYZED
ND	NOT DETECTED
NE	NOT ESTABLISHED
D	RESULTS FOR DILUTION
J	ESTIMATED VALUE
U	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
PAHs	POLYCYCLIC AROMATIC HYDROCARBONS
µg/L	MICROGRAMS PER LITER
*	VALUE IS A GUIDANCE, NOT A STANDARD

NOTES:

1. ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). HORIZONTAL LOCATIONS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83).
2. BOUNDARIES BASED ON SURVEY BY M.J. ENGINEERING AND LAND SURVEYING, P.C., DATED APRIL 2011.
3. THE CALL-OUT BOXES FOR EACH SAMPLE LOCATION PRESENT THE ANALYTICAL RESULTS FOR SPECIFIC COMPOUNDS WITH CONCENTRATIONS THAT EXCEED THE APPLICABLE STANDARD. IF INDIVIDUAL COMPOUND CONCENTRATIONS DO NOT EXCEED THE STANDARD, THEN THE SUMMARY RESULTS OF THE GROUP ARE LISTED (IE. TOTAL BTEX AND TOTAL PAHS). RESULT VALUES FOR NON-DETECTS ARE ASSIGNED ND.
4. MONITORING WELLS SHOWN IN GRAYSCALE WERE DECOMMISSIONED IN 2012.

0 20' 40'
SCALE: 1" = 20'

SOURCES:

1. BASE MAP TAKEN FROM *TOPOGRAPHIC SURVEY AND MAP OF NIAGARA MOHAWK MGP SITE SITUATED AT HILL STREET*, CITY OF TROY, COUNTY OF RENSSELAER, N.Y., SCALE: 1" = 50', SITE SURVEYED IN DECEMBER 2005, DECEMBER 2006, OCTOBER 2010, DECEMBER 2010 AND APRIL 2011 BY M.J. ENGINEERING AND LAND SURVEYING, P.C., CLIFTON PARK, NY.
2. SANBORN FIRE INSURANCE MAP, 1885.

Post-Remedial Groundwater Monitoring
Troy (Liberty Street) Non-owned Former MGP Site
Troy, New York

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Project 093300

NOVEMBER 2015
OVERBURDEN GROUNDWATER CONTOURS (FT), AND GROUNDWATER ANALYTICAL DATA SUMMARY (µg/L)

November 2015 Fig. 3

\\gtb1v-fs01\ I:\Project\National Grid\TROY\LIBERTY_ST\Post RI\Drawings\Figures\093300_FIGURES.dwg - 11/10/2015

Attachment A
Well Sampling Sheets

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Number: 093300-2-1209
Location: Troy, NY
Well Number: B/MW-101 (05)

Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
By: Chris Gordon Date: 10/7/2015
Measurement Datum: 31.99'

Pre-Development Information

Water Level: 17.82'
One Purge Vol: ---

Time (start): 1025
Total Depth of Well: 27.00'
Three Well Volume: ---

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material?

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	17.05	7.11	1388	2.98	136.3	14.87
5	0.50	16.99	7.09	1349	2.19	131.9	11.52
10	0.75	16.92	7.12	1378	2.07	130.1	10.66
15	1.00	16.99	7.13	1431	1.85	129.0	5.65
20	1.25	17.09	7.14	1396	2.02	128.5	5.11
25	1.50	16.99	7.14	1383	2.00	128.6	5.01
30	1.75	16.97	7.14	1362	2.03	128.5	4.55
35	2.00	17.00	7.13	1369	2.01	128.3	1.04
40	2.25	17.01	7.13	1368	2.00	128.3	1.01
45							

Total Volume Removed (gal): 2.25
Temperature (°C): 17.01
DO Concentration (mg/L): 2.00
Sample Depth: 22.41'

pH: 7.13
Specific Conductance (µS/cm): 1368
ORP (mV): 128.3
TDS: N/A

Post Development Information

Water Level: 17.78'
Time (Finished): 1110
Total Depth of Well: 27.00'

Approximate Volume Removed (gal): 2.50

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material: No

Q = 200 ml/min

Comments/Notes: Sampled for BTEX and PAH's.

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 10/7/2015
Location: Troy, NY
Measurement Datum: 27.60'
Well Number: B/MW-102 (05)

Pre-Development Information

Time (start): 1300
Water Level: 13.80'
Total Depth of Well: 17.00'
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: Slightly Cloudy — Clear: ___ Cloudy: X
Odor: X None — Weak: ___ Moderate: ___ Strong: ___
Any films or immiscible material? ___

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	19.22	6.84	1354	0.62	208.1	42.68
5	0.50	18.84	6.81	1353	0.45	223.7	43.67
10	0.75	19.27	6.81	1355	0.39	242.4	25.28
15	1.00	19.19	6.80	1378	0.31	256.2	6.06
20	1.25	19.29	6.80	1384	0.29	255.6	6.01
25	1.50	19.25	6.81	1393	0.28	256.4	4.93
30	1.75	19.35	6.80	1415	0.27	258.4	4.51
35	2.00	19.36	6.80	1415	0.26	258.3	4.50
40	2.25	19.34	6.80	1418	0.26	258.3	4.17
45	2.50	19.34	6.80	1416	0.26	258.3	4.10

Total Volume Removed (gal): 2.50
pH: 6.80
Temperature (°C): 19.34
Specific Conductance (µS/cm): 1416
DO Concentration (mg/L): 0.26
ORP (mV): 258.3
Sample Depth: 15.40'
TDS: N/A

Post Development Information

Time (Finished): 1355
Water Level: 14.08
Total Depth of Well: 17.00'

Approximate Volume Removed (gal): 2.75

Water Characteristics

Color: None — Clear: X Cloudy: ___
Odor: X None — Weak: ___ Moderate: ___ Strong: ___
Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX and PAH's. One bolt missing from curb box cover.

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Number: 093300-2-1209
Location: Troy, NY
Well Number: B/MW-104 (05)

Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
By: Chris Gordon Date: 10/7/2015
Measurement Datum: 29.14'

Pre-Development Information

Water Level: 15.32'
One Purge Vol: ---

Time (start): 1140
Total Depth of Well: 22.00'
Three Well Volume: ---

Water Characteristics

Color: Slightly Silty / Brown — Clear: ___ Cloudy: X

Odor: X None ___ Weak ___ Moderate ___ Strong

Any films or immiscible material? ___

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	17.49	6.72	1628	0.85	147.9	28.97
5	0.50	17.41	6.69	1612	0.61	144.4	35.35
10	0.75	17.31	6.71	1606	0.44	142.0	28.64
15	1.00	17.41	6.71	1596	0.38	139.6	22.92
20	1.25	17.50	6.72	1587	0.35	136.5	14.81
25	1.50	17.62	6.71	1590	0.32	135.8	9.67
30	1.75	17.60	6.71	1591	0.32	135.6	8.33
35	2.00	17.60	6.71	1591	0.33	135.5	7.09
40	2.25	17.59	6.72	1589	0.32	135.4	6.21
45	2.50	17.60	6.72	1589	0.32	135.3	5.13

Total Volume Removed (gal): 2.50
Temperature (°C): 17.60
DO Concentration (mg/L): 0.32
Sample Depth: 18.66'

pH: 6.72
Specific Conductance (µS/cm): 1589
ORP (mV): 135.3
TDS: N/A

Post Development Information

Water Level: 15.32'
Time (Finished): 1230
Total Depth of Well: 22.00'

Approximate Volume Removed (gal): 2.75

Water Characteristics

Color: None — Clear: X Cloudy: ___

Odor: X None ___ Weak ___ Moderate ___ Strong

Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX and PAH's.

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 10/7/2015
Location: Troy, NY
Measurement Datum: 28.10'
Well Number: B/MW-202 (06)

Pre-Development Information

Time (start): 1635
Water Level: 14.31'
Total Depth of Well: 19.50'
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material?

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.25	17.57	6.76	2661	1.09	136.7	15.13
5	0.50	17.36	6.60	2552	0.40	137.3	12.87
10	0.75	17.65	6.59	2522	0.42	137.4	7.58
15	1.00	17.56	6.58	2492	0.33	137.6	5.16
20	1.25	17.54	6.58	2471	0.32	137.7	4.99
25	1.50	17.55	6.58	2423	0.31	137.3	4.95
30	1.75	17.55	6.58	2400	0.30	137.0	4.91
35	2.00	17.56	6.58	2409	0.32	137.3	4.92
40	2.25	17.54	6.58	2409	0.31	137.5	4.91
45							

Total Volume Removed (gal): 2.25
pH: 6.58
Temperature (°C): 17.54
Specific Conductance (µS/cm): 2409
DO Concentration (mg/L): 0.31
ORP (mV): 137.5
Sample Depth: 16.90'
TDS: N/A

Post Development Information

Time (Finished): 1710
Water Level: 14.34'
Total Depth of Well: 19.50'

Approximate Volume Removed (gal): 2.50

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX and PAH's. Duplicate sample MW-DUP(15) taken here

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 10/7/2015
Location: Troy, NY
Measurement Datum: 25.32'
Well Number: B/MW-203 (06)

Pre-Development Information

Time (start): 1430
Water Level: 11.89'
Total Depth of Well: 19.50'
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: Dark Brown / Silty — Clear: ___ Cloudy: X
Odor: X None ___ Weak ___ Moderate ___ Strong
Any films or immiscible material? ___

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0.75	19.29	6.99	2970	1.27	215.6	69.82
5	1.00	19.02	6.97	2942	1.03	207.4	51.59
10	1.25	19.04	6.97	2923	0.95	200.3	34.48
15	1.50	18.86	6.97	2883	0.87	193.0	28.27
20	1.75	19.10	6.97	2829	0.99	189.4	13.41
25	2.00	19.00	6.97	2815	0.78	183.7	9.83
30	2.25	19.02	6.97	2807	0.77	182.8	6.17
35	2.50	19.01	6.97	2805	0.76	182.6	5.93
40	2.75	19.01	6.97	2806	0.77	182.5	5.53
45							

Total Volume Removed (gal): 2.75
pH: 6.97
Temperature (°C): 19.01
Specific Conductance (µS/cm): 2806
DO Concentration (mg/L): 0.77
ORP (mV): 182.5
Sample Depth: 15.69'
TDS: N/A

Post Development Information

Time (Finished): 1515
Water Level: 11.88'
Total Depth of Well: 19.50'

Approximate Volume Removed (gal): 3.00

Water Characteristics

Color: Clear at sample time — Clear: X Cloudy: ___
Odor: X None ___ Weak ___ Moderate ___ Strong
Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX and PAH's. MS/MSD was taken at this location.

GEI Consultants

MONITORING WELL SAMPLING RECORD

OVM Reading: N/A
Job Name: Troy (Liberty Street) Non-Owned Former MGP Site
Job Number: 093300-2-1209
By: Chris Gordon
Date: 10/7/2015
Location: Troy, NY
Measurement Datum: 32.95'
Well Number: B/MW-404 (11)

Pre-Development Information

Time (start): 1815
Water Level: 19.23'
Total Depth of Well: 24.00'
One Purge Vol: ---
Three Well Volume: ---

Water Characteristics

Color: None — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material?

Time (Min)	Vol (gal)	Temp (°C)	pH (SU)	Spec. Conductance (µS/cm)	DO Conc. (mg/L)	ORP (mV)	Turbidity (NTU)
0	0	18.01	6.70	1338	1.78	153.7	4.16
5	0.25	17.56	6.56	1302	0.79	153.6	4.02
10	0.50	17.49	6.50	1312	0.53	151.9	3.51
15	0.75	17.49	6.49	1319	0.47	150.2	3.50
20	1.00	17.38	6.49	1319	0.43	148.8	3.15
25	1.25	17.21	6.49	1316	0.34	146.9	3.11
30	1.50	17.17	6.50	1315	0.33	146.8	3.12
35	1.75	17.18	6.50	1315	0.35	146.8	3.15
40							
45							

Total Volume Removed (gal): 1.75
pH: 6.50
Temperature (°C): 17.18
Specific Conductance (µS/cm): 1315
DO Concentration (mg/L): 0.35
ORP (mV): 146.8
Sample Depth: 21.61'
TDS: N/A

Post Development Information

Time (Finished): 1850
Water Level: 19.30'
Total Depth of Well: 24.00'

Approximate Volume Removed (gal): 2.00

Water Characteristics

Color: — X Clear — Cloudy
Odor: X None — Weak — Moderate — Strong
Any films or immiscible material: No

Q = 200 mL/min

Comments/Notes: Sampled for BTEX & PAH's.

Attachment B

Data Summary Reports and Validated Form 1s

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-01
Client ID: MW-101 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/12/15 23:36
Analyst: MS

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-02
Client ID: MW-104 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 00:09
Analyst: MS

Date Collected: 10/07/15 12:30
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-03
Client ID: MW-102 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 00:41
Analyst: MS

Date Collected: 10/07/15 13:55
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-04
Client ID: MW-203 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 01:14
Analyst: MS

Date Collected: 10/07/15 15:15
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-05
Client ID: MW-202 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 11:29
Analyst: PD

Date Collected: 10/07/15 17:10
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-06
Client ID: MW-404 (11)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 12:02
Analyst: PD

Date Collected: 10/07/15 18:50
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-07
Client ID: MW-DUP (15)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 12:35
Analyst: PD

Date Collected: 10/07/15 10:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	91		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-08
Client ID: FB-100715
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 13:08
Analyst: PD

Date Collected: 10/07/15 19:30
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-09
Client ID: TRIP BLANK
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/13/15 13:41
Analyst: PD

Date Collected: 10/07/15 00:00
Date Received: 10/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-01
Client ID: MW-101 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 18:35
Analyst: KV

Date Collected: 10/07/15 11:10
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	83		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-02
Client ID: MW-104 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 19:06
Analyst: KV

Date Collected: 10/07/15 12:30
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	63		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-03
Client ID: MW-102 (05)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 19:37
Analyst: KV

Date Collected: 10/07/15 13:55
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	68		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-04
Client ID: MW-203 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 18:03
Analyst: KV

Date Collected: 10/07/15 15:15
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	74		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-05
Client ID: MW-202 (06)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 20:08
Analyst: KV

Date Collected: 10/07/15 17:10
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	75		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209
Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-06
Client ID: MW-404 (11)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 20:39
Analyst: KV

Date Collected: 10/07/15 18:50
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	78		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-07
Client ID: MW-DUP (15)
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 21:40
Analyst: KV

Date Collected: 10/07/15 10:00
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	71		41-149

Project Name: TROY LIBERTY ST. SMP
Project Number: 093300-2-1209

Lab Number: L1525417
Report Date: 10/14/15

SAMPLE RESULTS

Lab ID: L1525417-08
Client ID: FB-100715
Sample Location: TROY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/11/15 22:11
Analyst: KV

Date Collected: 10/07/15 19:30
Date Received: 10/07/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/10/15 10:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	74		41-149

coc edited 10/8/15-KER

Serial_No:10141509:44

ALPHA

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/8/15

ALPHA Job #: L1525417

8 Walkup Drive, Westborn, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: GEI Consultants, Inc

Address: 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033

Phone: 860 368 5300

Email: jzak@geiconsultants.com

Project Information

Project Name: Troy Liberty St SMP

Project Location: Troy, NY

Project #: 093300-2-1209

Project Manager: Jerry Zak

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5-DAY TAT

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL datagroup@gei

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☒ Other State /Fed Program NYDEC Criteria

Additional Project Information:

GEI CAT B Deliverable "EDD"
2 Coolers

*BTEX only

ANALYSIS: VOC: ☒ 8260* ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☒ PAH 8270C; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO — Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	SVOC	Sample Comments	TOTAL # BOTTLES
25417-01	MW-101 (05)	10/7/15	1110	AQ	CTG	X	X		
02	MW-104 (05)		1230			X	X		
03	MW-102 (05)		1355			X	X		
04	MW-203 (06)		1515			X	X		
04	MW-203 (05) MS		1515			X	X		
04	MW-203 (05) MSD		1515			X	X		
05	MW-202 (06)		1710			X	X		
06	MW-404 (11)		1850			X	X		
07	MW-DUP (15)		1000			X	X		
08	FB-100715		1930			X	X		
	TRIP Blank → VOC's only	—	—						

	VOC	SVOC
Container Type	V	A
Preservative	HCl	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
CTG (Chris Gordon)	10/7/15 2031	Robert Hanes AAL	10-7-15 2031
[signature]	10/7/15 2235	[signature]	10-7-15 2235
[signature]	10/8/15 0135	[signature]	10/8/15 0135

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Serial_No:10141509:44

ALPHA

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/8/15

ALPHA Job #: L1523417

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: GEI Consultants, Inc

Address: 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033

Phone: 860 368 5300

Email: jzak@geiconsultants.com

Project Information

Project Name: Troy Liberty St SMP

Project Location: Troy, NY

Project #: 093300-2-1209

Project Manager: Jerry Zak

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 5-DAY TAT

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL datagroup@gei

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☒ Other State /Fed Program NYDEC Criteria

Additional Project Information:

GEI CAT B Deliverable "EDD"

2 Coolers

ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☒ PAH 8270C; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint

SAMPLE INFO — Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC 8260	SVOC PAH 8270C	Sample Comments	TOTAL # BOTTLES
23417-01	MW-101 (05)	10/7/15	1110	AQ	CTG	X	X		
02	MW-104 (05)		1230			X	X		
03	MW-102 (05)		1355			X	X		
04	MW-203 (05)		1515			X	X		
04	MW-203 (05) MS		1515			X	X		
04	MW-203 (05) MSD		1515			X	X		
05	MW-202 (06)		1710			X	X		
06	MW-404 (11)		1850			X	X		
07	MW-DUP (15)		1000			X	X		
08	FB-100715		1930			X	X		
	TRIP Blank → VOC's Only	—	—						

	VOC	SVOC
Container Type	V	A
Preservative	HCl	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
CTG (Chris Gordon)	10/7/15 2031	Robert Alamo AAL	10-7-15 2031
[signature]	10/7/15 2235	[signature]	10-7-15 2235
[signature]	10/8/15 0135	[signature]	10/8/15 0135

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Site: Troy Liberty, Troy, NY
Laboratory: Alpha Analytical, Westboro, MA
Report Nos.: L1525417
Reviewer: Lorie MacKinnon/GEI Consultants
Date: November 2, 2015

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-101 (05)	L1525417-01	BTEX, PAH
MW-104 (05)	L1525417-02	BTEX, PAH
MW-102 (05)	L1525417-03	BTEX, PAH
MW-203 (06)	L1525417-04	BTEX, PAH
MW-202 (06)	L1525417-05	BTEX, PAH
MW-404 (11)	L1525417-06	BTEX, PAH
MW-DUP (15)	L1525417-07	BTEX, PAH
FB-100715	L1525417-08	BTEX, PAH
Trip Blank	L1525417-09	BTEX

Associated QC Samples(s):	Field/Trip Blanks:	FB-100715, Trip Blank
	Field Duplicate pair:	MW-202 (06)/MW-DUP (15)

The above-listed aqueous samples, field blank, and trip blank sample were collected on October 7, 2015 and were analyzed for BTEX volatile organic compounds (VOCs) by SW-846 method 8260C and polynuclear aromatic hydrocarbon (PAH) semivolatile organic compounds (SVOCs) by SW-846 method 8270D. The data validation was performed based on the following USEPA Region 2 Documents: Standard Operating Procedure (SOP) HW-35 (Revision 2) *Semivolatile Data Validation* (March 2013) and SOP HW-33 (Revision 3) *Low/Medium Volatile Data Validation* (March 2013), modified for the SW-846 methodologies utilized.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results

- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

In general, the data appear usable as reported. No qualifications were required.

The validation findings were based on the following information.

Data Completeness

The data package was found to be complete as received by the laboratory.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing criteria were met.

Blanks

Contamination was not detected in the associated method blank samples, trip blank, and field blank sample.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW-203(06) for VOCs and SVOCs. All criteria were met.

LCS Results

All criteria were met.

Internal Standards

All criteria were met.

Field Duplicate Results

Samples MW-202 (06) and MW-DUP (15) were submitted as the field duplicate pair with this sample group. All results were nondetect in these samples.

Quantitation Limits and Data Assessment

All criteria were met.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Appendix B

Photo Documentation

Soil Cover System (asphalt) at Site, looking north along the retaining wall on the east side of the Site.

Soil Cover System (asphalt) at Site, looking east toward bocce courts.

Soil Cover System (asphalt) at Site, looking southeast along re-installed fencing.
The southern tar well was located below the soil cover shown here.

Appendix C

Sitewide Inspection Form

Troy (Liberty St) Non-Owned Former MGP Site
Rensselaer County, New York
Site Wide Inspection Form

Date: 10/7/2015

Personnel: Dan Kopcow

Time of Arrival: 0730

Time of Departure: 0830

Weather Conditions: Partly Cloudy

Temperature: 10 am: 53 degrees F, 68 degrees F high

Wind Speed: No wind or breeze

Wind Direction (from):

Inspection Checklist	Yes	No	Comments
Cover System			
- Soil intrusion activities being performed?		X	
- Signs of soil intrusive activities?		X	
- Evidence of saw cutting?		X	
- Evidence of excavation or trenching?		X	
- Burrowing animals?		X	
Monitoring Well Condition			
- Monitoring event occurring?	X		
- Covers secure?	X		Need to replace a few compression caps
- Casing in need of repair?	X		
- Concrete surface seal intact?	X		
- Obstructed?		X	
- Settling?		X	

General Comments/Suggested Action Items:

Pavement is like new. No breaks or settling. Land use is unchanged and the site is unchanged.

Dan Kopcow, NYS Licensed Professional Engineer
License No: 077276-1, Certificate No.: 85842549

Attachment 4 – Engineering Controls and Institutional Controls Certification Form

Enclosure 2

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

Site Details **Box 1**

Site No. V00482

Site Name NM - Troy Liberty St. MGP

Site Address: Liberty St. Zip Code: 12180
City/Town: Troy
County: Rensselaer
Site Acreage: 4.5

Reporting Period: June 16, 2015 to July 20, 2018

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

SITE NO. V00482 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
101069001200100000	City of Troy	Ground Water Use Restriction Landuse Restriction Site Management Plan

A Deed Restriction was filed which restricts the site to commercial use, and restricts the use of groundwater.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
101069001200100000	Cover System

The site is capped with asphalt which serves as the cover system.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00482

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Gerald Cresap, PE (print name) at 5 Technology Place, Suite 4, East Syracuse, NY (print business address),

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

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

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: 9/17/2018

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

agent for National Grid

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Gerald Cresap, PE (print name) at 5 Technology Place, Suite 4, East Syracuse, NY (print business address),

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

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

8/17/2018

Stamp (Required for PE)

Date

5 Technology Place, Suite 4, East Syracuse, NY

agent for National Grid

Gerald Cresap, PE

Attachment 5 – 2017 Site Inspection Forms

Troy Liberty St
Non-Owned Former MGP Site
Site Wide Inspection

Date: 4/12/2018 Time: 11:00

Technician: KL Weather: Sunny 44

Cover System			
Soil intrusion activities being performed?	YES	NO	COMMENTS:
Signs of soil intrusive activities?	YES	NO	
Evidence of saw cutting?	YES	NO	
Evidence of excavation or trenching?	YES	NO	
Burrowing animals?	YES	NO	

Site Monitoring Wells		
Well ID.	***Location Secure***	
B/MW-101(05)	YES	NO
B/MW-102(05)	YES	NO
B/MW-104(05)	YES	NO
B/MW-202(06)	YES	NO
B/MW-203(06)	YES	NO
B/MW-404(11)	YES	NO

General Comments/Suggested Action Items:

Troy Liberty St
Non-Owned Former MGP Site
Site Wide Inspection

Date: 1/18/2018 Time: 10:15

Technician: KL Weather: Sunny 7

Cover System			
Soil intrusion activities being performed?	YES	NO	COMMENTS:
Signs of soil intrusive activities?	YES	NO	
Evidence of saw cutting?	YES	NO	
Evidence of excavation or trenching?	YES	NO	
Burrowing animals?	YES	NO	

Site Monitoring Wells		
Well ID.	***Location Secure***	
B/MW-101(05)	YES	NO
B/MW-102(05)	YES	NO
B/MW-104(05)	YES	NO
B/MW-202(06)	YES	NO
B/MW-203(06)	YES	NO
B/MW-404(11)	YES	NO

General Comments/Suggested Action Items:

Troy Liberty St
Non-Owned Former MGP Site
Site Wide Inspection

Date: 12/20/2017 Time: 10:00

Technician: KL Weather: Sunny 39

Cover System			
Soil intrusion activities being performed?	YES	NO	COMMENTS:
Signs of soil intrusive activities?	YES	NO	
Evidence of saw cutting?	YES	NO	
Evidence of excavation or trenching?	YES	NO	
Burrowing animals?	YES	NO	

Site Monitoring Wells		
Well ID.	***Location Secure***	
B/MW-101(05)	YES	NO
B/MW-102(05)	YES	NO
B/MW-104(05)	YES	NO
B/MW-202(06)	YES	NO
B/MW-203(06)	YES	NO
B/MW-404(11)	YES	NO

General Comments/Suggested Action Items:

Troy Liberty St
Non-Owned Former MGP Site
Site Wide Inspection

Date: 10/12/2017 Time: 10:30

Technician: KL Weather: Sunny 60

Cover System			
Soil intrusion activities being performed?	YES	NO	COMMENTS:
Signs of soil intrusive activities?	YES	NO	
Evidence of saw cutting?	YES	NO	
Evidence of excavation or trenching?	YES	NO	
Burrowing animals?	YES	NO	

Site Monitoring Wells		
Well ID.	***Location Secure***	
B/MW-101(05)	YES	NO
B/MW-102(05)	YES	NO
B/MW-104(05)	YES	NO
B/MW-202(06)	YES	NO
B/MW-203(06)	YES	NO
B/MW-404(11)	YES	NO

General Comments/Suggested Action Items: