Nicholas A. Smith, P.G.
Senior Program Manager

January 28, 2026

Mr. Michael Squire
Remedial Bureau C, 11th Floor
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014

Re: Johnstown (N. Market St.)
Former Manufactured Gas Plant Site (MGP)
Site # 518020
Semi-Annual Groundwater Monitoring Report (January 2026)

Dear Mr. Squire:

Enclosed is the Semi-Annual Groundwater Monitoring Report for the Johnstown (N. Market St.) MGP Site located in Johnstown, New York. The report includes the groundwater monitoring results from October 8, 2025.

National Grid acknowledges the NYSDEC Fact sheet dated June 2016 approving the site's environmental remediation construction completion. Long-term OM&M activities are being conducted in accordance with the approved Site Management Plan (SMP) and the site's Environmental Easement.

National Grid is proposing a reduction in sampling frequency for the monitored natural attenuation parameters that are collected and analyzed as part of the semi-annual groundwater monitoring events. Currently, monitored natural attenuation samples are collected at the monitoring network for carbon dioxide, methane, ethane, ethene, manganese, , nitrate/nitrite, total Kjeldahl nitrogen, alkalinity, chloride, sulfide, ferrous iron, and sulfate. Since these parameters are used to evaluate long-term trends in groundwater quality over time and the groundwater monitoring program is anticipated to continue for the foreseeable future, the collection of these analytes during each semiannual sampling event is not necessary. Accordingly, National Grid proposes to reduce analysis of these parameters to a frequency of once every two years, alternating between the spring and fall seasons (i.e., natural attenuation sampling to be conducted in spring 2026, fall 2028, spring 2030, fall 2032, etc.). Sampling and analysis for the MGP site-related parameters (i.e., select volatile organic compounds, semi-volatile organic compounds, and cyanide) will continue semi-annually without change.

Please let us know if the Department concurs with the proposed sampling reduction. We will await your response prior to making any adjustments in the groundwater sampling (note that this proposal does not impact the upcoming spring 2026 sampling event as all parameters will be collected as usual). Contact me at (315) 540-0829 or Nicholas.Smith7@nationalgrid.com if you have any questions regarding the report.

Sincerely,

For NAS

Nicholas A. Smith, P.G.
Senior Program Manager

Cc: Joseph Giordano - National Grid
Nathan Freeman – NYSDOH
Devin Shay - Groundwater & Environmental Services, Inc.

National Grid

Semi-Annual Groundwater Monitoring Report

National Grid
109 North Market Street
Johnstown, NY 12095

January 2026

Version 1

Semi-Annual Groundwater Monitoring Report

National Grid Johnstown Site
109 North Market Street
Johnstown, NY 12095

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Acronyms

bgs	Below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
COCs	Constituents of Concern
cu. ft.	Cubic feet
DO	Dissolved Oxygen
DTB	Depth to Bottom
DTP	Depth to Product
DTW	Depth to Water
DUSR	Data Usability Summary Report
Eurofins	Eurofins Environment Testing
FS	Feasibility Study
GES	Groundwater & Environmental Services, Inc.
IRMs	Interim Remedial Measures
mg/L	Milligrams per Liter
MGP	Manufactured Gas Plant
MNA	Monitored Natural Attenuation
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation-Reduction Potential
PAHs	Polycyclic Aromatic Hydrocarbons
PSA	Preliminary Site Assessment
QA/QC	Quality Assurance / Quality Control
RI	Remedial Investigation
ROD	Record of Decision
SMP	Site Management Plan
SU	Standard Units
SVOCs	Semi-Volatile Organic Compounds
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
µg/L	Micrograms per Liter
WQ	Water Quality

1 Introduction

1.1 Overview

This Semi-Annual Groundwater Monitoring Report (the Report) summarizes the results of the October 2025 groundwater sampling event at the Johnstown, New York (North Market Street) Former Manufactured Gas Plant (MGP) Site (the Site). This Report was developed as part of the long-term groundwater monitoring program on behalf of National Grid.

National Grid has been addressing the Site environmental conditions under an Order on Consent (Index Number D0-0001-9210), dated April 1999, that was entered into by Niagara Mohawk and the New York State Department of Environmental Conservation (NYSDEC). That Order on Consent was for the investigation and remediation of 21 former MGP sites, including the Johnstown (North Market Street) Site. It was superseded by a new Order on Consent (Index Number A4-0473-0000), dated November 7, 2003. A NYSDEC-approved Supplemental Remedial Investigation (RI) Work Plan was finalized during November 2007, and a Final Supplemental RI Report was submitted to the NYSDEC, dated December 2008. The RI results report and subsequent Feasibility Study were approved in February 2010.

A Record of Decision (ROD) was issued by the NYSDEC, dated March 2010, in accordance with the requirements of New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, 6 NYCRR Part 375. Based upon the results of the remedial investigation/feasibility study (RI/FS) for the Site, the interim remedial measures (IRMs) previously completed, and the ROD, the draft Final Engineering Report and Site Management Plan (SMP) were developed and submitted to the NYSDEC in June 2010. The Final Engineering Report, the Final SMP, and the Final Environmental Easement were approved by the NYSDEC in their June 2016 Fact Sheet.

The Final SMP includes:

1. Semi-annual (April & October) site inspection and groundwater level measurements at monitoring wells MW-4, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, RW-1, and the creek surface gauging station (bridge);
2. Semi-annual groundwater sampling/analysis for Site Parameters [Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs), lead, and total cyanide] and Natural Attenuation Parameters [alkalinity, chloride, ethane, ethene, ferrous iron, manganese, methane, nitrate, nitrogen, sulfate and sulfide] at monitoring wells MW-4, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, and MW-16 (RW-1 will not be sampled); and
3. Semi-annual reporting to NYSDEC.

1.2 Purpose and Objective

The purpose of this Report is to summarize the groundwater sampling activities and results of the latest event, and to compare the results to previous events. As described in the December 2008 Supplemental RI Report and the subsequent ROD, one of the primary goals is to evaluate whether or not the groundwater constituents of concern (COCs) concentrations have decreased, in addition to continued assessment of the effectiveness of monitored natural attenuation.

2 Background

2.1 Site Description

The Site is located in the City of Johnstown, County of Fulton, New York (**Figure 1** presents the site location map) and is identified as Block 14 and Lot 7 on the Johnstown City Tax Map. The Site is an approximate 0.7-acre area bounded by the Cayadutta Creek to the north, the Colonial Cemetery to the south, Market Street to the east, and a wooded parcel of property to the west (**Figure 2** presents the site plan). The Site is located in a mixed commercial, industrial, and residential area.

Currently, National Grid operates a natural gas regulator station at the Site with equipment contained in fenced enclosures along the Site's southern boundary. The rest of the Site is grass-covered, including the stream bank adjacent to Cayadutta Creek along the northern boundary of the Site. An embankment exists along the north end of the Site that slopes down to the Cayadutta Creek. A chain-link fence exists along the north and west sides of the Site, and a retaining wall runs along the south side of the Site. Access to the Site is from North Market Street to the east.

The Johnstown Hospital is located south of the Site within one mile, and numerous residences exist to the west and east of the Site. The Johnstown Senior High School and Warren Street Elementary School are located within one mile of the Site to the west.

2.2 Site History

The Johnstown MGP Site was incorporated in March 1857 as the Johnstown Gas Light Company. The company operated a small coal gas plant with a 20,000 cubic foot (cu. ft.) holder (Holder #1), that was constructed in 1859 (see Figure 2 for all Holder locations at the former MGP Site). In 1861, the plant was improved with the addition of a coal shed and a covering for the tank holder. In 1886, the Johnstown and Gloversville Gas Light Corporation was formed, and the company purchased the rights to the Lowe water gas process. The United Gas Improvement Company planned the construction of a water gas plant for the Johnstown and Gloversville franchises.

In 1887, the Site consisted of a tool shop, an office, a coal gasometer, a lime house, a purifier room, a retort house, and a coal shed. Between 1887 and 1918, Holder #2 was located in the western-central part of the Site (exact size unknown). In 1892, a steam generator was constructed adjacent to the coal shed for the Lowe water gas process, and Holder #1 was decommissioned in 1896. In 1898, a 72,000-cu. ft. gas holder (Holder #3) was constructed on the Site. Between

1912 and 1918, the small gas holder (Holder #2) in the western-central area of the Site was removed. In 1929, a gas pipeline from an MGP in Troy, New York, reached Johnstown, and local gas production was only performed on a seasonal (winter) basis until local production of gas ceased in 1931. Niagara Hudson Power Company was the owner of the Site in 1930. By 1948, Holder #3 was decommissioned. In 1950, Niagara Hudson Power was consolidated under the name Niagara Mohawk Power Company. By 1980, all Site buildings were removed. Currently, National Grid operates a natural gas regulator station at the Site.

2.2.1 Site Assessment and Investigations

An investigation of the Site began in 1997 with a Preliminary Site Assessment (PSA), which found that the Site was impacted with MGP wastes. A Supplemental PSA was conducted at the Site in 1998, followed by a RI in January 2000 and subsequent IRMs. The IRMs are discussed separately within this section.

A 2009 Supplemental RI was initiated to collect data to address potential residual MGP-related contaminants remaining in groundwater at the Site and to assess hydrogeologic conditions and groundwater quality on the Site. The results of the Supplemental RI were used to formulate potential remedial alternatives for groundwater and residual soil contamination. The Supplemental RI results were evaluated and presented in the 2010 Feasibility Study Report.

2.2.2 Interim Remedial Measures Completed

Several IRMs were performed to address the residual MGP impacts. In 2002 and 2003, the former holders and associated impacted soil were removed. During this IRM, former Holder #2 and the northern half of former Holder #3 were demolished and removed from the Site. Approximately 13,870 cubic yards of soil were excavated and disposed of off-site at a NYSDEC-approved facility. Permanent steel sheeting was left in place along the northeastern perimeter of the Site to avoid disturbance of the roadway and to provide containment of residual material left at depth.

Between 2005 and 2006, National Grid provided support to the City of Johnstown for subsurface work associated with the replacement of the North Market Street Bridge across Cayadutta Creek. Approximately 1,413 cubic yards of impacted soil were excavated from within the cofferdam area and disposed of off-site at a NYSDEC-approved facility.

In August 2009, the rip-rap area along the bank of Cayadutta Creek that had been restored during the previous IRMs was enhanced to allow for establishment of stream-side vegetation. Post-IRM inspections of the restored Cayadutta Creek bank were conducted in September 2009 and May 2010.

2.3 Environmental Setting

The Johnstown (North Market Street) Site slopes northward toward Cayadutta Creek with elevations ranging from 652 to 672 feet (ft.) above sea level. Currently, the Site topography gradually slopes from south to north, becoming increasingly steeper adjacent to the Creek, and is generally covered with either vegetation or stone. Surface drainage is primarily to the north into

the creek. Access to the Site is from North Market Street to the east, and the Site is currently used to support the natural gas regulator station operations.

2.3.1 Site Geology

The main units of unconsolidated deposits identified at the Site can be characterized in descending order as fill and native glacial deposits to bedrock. The glacial deposits are of lacustrine origin with glacial tills to the top of shale bedrock (Utica Shale). Bedrock was reached beneath the till in two soil borings explored during the 1998 Supplemental PSA. These stratigraphic units are more specifically described below, based on information obtained from the previous investigations and from the soil borings and monitoring well borings conducted during the 2007/ 2008 SRI.

Site geology includes a layer of disturbed soils (primarily fill) overlying glacial deposits. Based upon on-site soils and monitoring well borings, disturbed soils (including fills) varied in thickness up to 13 ft. and are typically composed of sand, gravel, silt, clay, wood, coal, and anthropogenic materials including ash, cinders, clinkers, brick fragments, wire, and wood chips. Wood chips were identified in three borings (SB-09, SB-12, and MW-8) and are often associated with purifier waste.

A thin layer of peat underlies the disturbed soils in the northern portion of the Site, ranging in thickness from 0.5 ft. to 3 ft., and appears to thicken and dip to the north. Except where it is locally covered by sedimentary deposits such as silts, sands, and clays, the peat, where present, appears to have been the historical ground cover prior to development of the Site.

Underlying the peat, where present, the soil consists of lacustrine deposits composed of silts, sands, and clays. The surface of the lacustrine deposits appears to dip and thin out toward the north. A sand and gravel unit (an outwash deposit of stratified drift) underlies the lacustrine deposits across the Site area. This unit contains varying amounts of silt and clay. These deposits overlie a dense, low-permeability glacial till to bedrock (Shale).

2.3.2 Site Hydrogeology

Groundwater is generally encountered in the glacial deposits below the bottom of the fill material at on-site depths in the 10- to 20-foot below ground surface (bgs) range. Groundwater flow is northward across the Site area toward Cayadutta Creek, with the steepest gradient from the center of the Site proximal to former gas holders #2 and #3 to the southern Creek bank (about 0.09 ft./ft.). In comparison, the average hydraulic gradient decreases to a value of approximately 0.05 ft./ft. on the east and west sides of the Site away from the former gas holders. The local groundwater flow is consistent with regional groundwater flow direction. The groundwater flow direction and hydraulic gradients calculated during this monitoring period are also generally consistent with historical data obtained prior to the issuance of the ROD.

3 Monitoring Activities

The long-term semi-annual groundwater monitoring program currently consists of the following elements:

- Semi-Annual Site Inspection including the creek bank protection, vegetative cover, monitoring wells, and security fence.
- Semi-Annual Groundwater Well Gauging of the following wells: RW-1, MW-4, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16 (Figure 2 presents the well locations). The creek surface water level is also gauged at one location: SG-1.
- Semi-Annual Groundwater Sampling and Analysis of the following: MW-4, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16. Note that recovery well RW-1 is not sampled as part of the program but is inspected for the presence of non-aqueous phase liquids (NAPL).

3.1 Groundwater Gauging and Sampling Procedures

3.1.1 Gauging

Long-term groundwater monitoring includes water level gauging at nine (9) groundwater monitoring wells and one (1) groundwater recovery well using an electronic oil/water interface probe. Depth to bottom of well (DTB), depth to product (DTP), and depth to water (DTW) are to be recorded at each well. Refer to **Table 2** for a summary of the water level measurements from October 2025 as well as previous events. **Appendix A** also presents the field documentation from the October 2025 water gauging event.

No product was present in recovery well RW-1 or the other nine (9) groundwater monitoring wells that were gauged.

A creek surface water level measurement was collected from the Cayadutta Creek Bridge using a water level probe (from the surveyed gauging point at the bridge).

3.1.2 Sampling

Groundwater sampling was performed following low-flow sampling techniques [equivalent to United States Environmental Protection Agency (USEPA) low-flow procedures] using a pressure-driven peristaltic pump. During purging, measurements were collected for the following field parameters: pH, specific conductivity, turbidity, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP). A Horiba U-22 was used to collect the field parameter data in a flow-through cell. The monitored field parameters are observed and recorded during low-flow sampling to determine when they have stabilized, and thus when the well has been adequately purged. Field parameter measurements were recorded at approximately 5-minute intervals. The monitoring wells were purged until stabilization of the field parameters (±0.1 Standard Unit (SU) for pH, ±3% for specific conductivity, ±10 millivolts (mV) for ORP, and ±10% for DO) and turbidity was less than 50 Nephelometric Turbidity Units (NTU). Refer to **Attachment A** for the field data.

After stabilization of the field parameters, nine groundwater samples were collected directly from the dedicated tubing into laboratory-supplied sample containers (pre-preserved as required per the analytical method). Quality Assurance/Quality Control (QA/QC) samples included the collection of one field duplicate sample, one matrix spike (MS) sample, one duplicate matrix spike (DMS) sample, and one trip blank sample (VOCs only). Samples were transported to the laboratory, accompanied by the appropriate chain-of-custody documentation. Analytical results were validated.

3.1.3 Natural Attenuation Parameters

The ORP of groundwater may be used as a general indicator of the dominant attenuation processes and the relative tendency of the biological processes to accept or transfer electrons. ORP is dependent on and influences rates of biodegradation. Lower ORP readings indicate reduced conditions and are indicative of anaerobic biologic degradation processes.

The pH of the groundwater affects the presence and activity of microorganisms in the groundwater. The microorganisms may produce either organic acids or carbon dioxide which, when dissolved in water, forms weak carbonic acid. Microorganisms capable of degrading petroleum hydrocarbons are most active with pH values ranging from 6 to 8 SU.

Groundwater temperature affects the solubility of dissolved gases such as oxygen and carbon dioxide as well as the metabolic activity of microorganisms. Oxygen is less soluble in warm water, and groundwater temperatures below approximately 5 degrees Celsius tend to inhibit biodegradation.

DO is the most thermodynamically favored electron acceptor used by microorganisms during the degradation of both natural and anthropogenic organic carbon. An inverse relationship of high hydrocarbon concentrations and low DO concentrations can be used as a key indicator of biodegradation.

Nitrate, if available, may be used as an electron acceptor for anaerobic biodegradation after the depletion of DO [typically considered less than 0.5 milligrams per liter (mg/L)] and is used to biodegrade petroleum hydrocarbons. Lower nitrate concentrations in groundwater within a plume, with respect to higher concentrations in areas upgradient and outside a plume, may be expected.

Ferrous iron is a metabolic byproduct of hydrocarbon degradation. Reducing conditions in nitrogen- and oxygen-depleted groundwater creates an anaerobic environment that causes the reduction of ferric iron (Fe^{3+}) to ferrous iron (Fe^{2+}). Relatively low ferrous iron concentrations may be present in areas where natural attenuation is occurring if free ferrous iron is re-precipitating as sulfides or carbonates.

Sulfate may be used as an electron acceptor after the depletion or use limitation of DO, nitrate, and ferric iron. Lower sulfate concentrations in groundwater within a plume, with respect to higher concentrations in areas upgradient and outside a plume, may be expected.

The production of methane, termed methanogenesis, occurs only in strongly reducing conditions and generally after oxygen, nitrate, and sulfate have been depleted. The presence of methane in

groundwater suggests Benzene, Toluene, Ethylbenzene, Xylene (BTEX) degradation via methanogenesis. Methane is not present in fuels, and therefore its presence at high concentrations relative to areas upgradient and outside a plume is indicative of the biodegradation of petroleum hydrocarbons.

The buffering capacity of groundwater is a function of alkalinity. Typically, alkalinity is primarily due to carbonate alkalinity. The organic acids or carbon dioxide (which produces a weak carbonic acid when dissolved in water) produced by biodegradation solubilize carbonate from the soil. Alkalinity concentrations that are elevated with respect to areas upgradient and outside a plume may be an indication of microbial activity and thus natural attenuation.

Typically, the relationships between BTEX and electron acceptors/metabolic byproduct concentrations (geochemical indicators) indicate potential for biodegradation. The concentrations are dependent on the location (and groundwater conditions) within the plume or outside of the plume limits.

3.2 Groundwater Analytical Results

The groundwater samples were analyzed for BTEX, Polycyclic Aromatic Hydrocarbons (PAHs), lead, total cyanide, and monitored natural attenuation/water quality (MNA/WQ) parameters including alkalinity, chloride, ethane, ethene, ferrous iron, manganese, methane, nitrate, nitrogen, sulfate and sulfide. BTEX, PAHs, and cyanide are constituents commonly associated with former MGP sites. BTEX, PAHs, lead, and cyanide were the primary contaminants detected during previous investigation activities conducted at the Site. The MNA/WQ parameters, as well as field-measured ORP, pH, temperature, and DO, are relevant to establishing whether conditions are favorable for natural attenuation to occur at the Site.

- Refer to Table 3 for the analytical results summary.
- Refer to Appendix A for field data.
- Refer to Appendix B for the data usability summary report (DUSR).

Groundwater analytical results were compared with levels specified in the NYSDEC Division of Water Final Amendment to Water Quality Standards Regulations, effective February 16, 2008 [hereafter referred to as NYSDEC WQ Values]. For groundwater, Class GA values were applied. Class GA waters are defined as fresh groundwater, found in the saturated zone of unconsolidated deposits and consolidated rock or bedrock, which are used as a source of potable water supply.

3.2.1 Site Related Parameters

BTEX - Groundwater samples collected on October 8, 2025, from monitoring wells MW-11, MW-13, MW-15, and MW-16 contained concentrations of some or all individual BTEX constituents above their respective NYSDEC WQ Values [1 microgram per liter (µg/L) for benzene and 5 µg/L for other BTEX constituents]. The highest concentrations of BTEX were observed in the groundwater samples collected from monitoring well MW-15, located northeast of former gas holder #2.

PAHs – PAHs above NYSDEC WQ Values were detected in samples collected on October 8, 2025, from monitoring wells MW-11, MW-12, MW-13, MW-15, and MW-16. Naphthalene has typically been detected at the highest level of any PAH; the highest concentration was observed at well MW-13, located between former gas holders #2 and #3.

Cyanide – Cyanide was detected in eight of the nine groundwater samples collected on October 8, 2025. Concentrations of cyanide were at or below the NYSDEC WQ Value (0.2 mg/L) in all samples, with the exception of monitoring wells MW-14 (0.34 mg/L) and MW-15 (0.71 mg/L).

Lead – Lead was detected at wells MW-12, and MW-14, at laboratory estimated concentrations below the NYSDEC WQ value of 25 µg/L.

3.2.2 Monitored Natural Attenuation Parameters

Site-specific levels of the MNA/WQ parameters (geochemical indicators) were compared to known screening values to identify whether the site-specific values are within the ranges known to be suitable for biodegradation. The October 2025 MNA/WQ analytical results for the individual monitoring wells are summarized in **Table 3**. **Figure 4** presents the groundwater data for the key MNA data parameters at their respective locations to assist with the MNA evaluation. Indications of biodegradation of petroleum-related MGP constituents within the plume include low levels of DO, nitrate and sulfate, with generally higher levels of manganese, ferrous iron and methane.

Indicator concentrations detected at monitoring wells identified within source and downgradient areas of the Site were compared to levels detected at upgradient and side gradient monitoring wells exhibiting little or no MGP-related contamination. Generally, indicator concentration levels at a distance from the center of the plume are expected to be significantly lower than levels within the plume. A summary of the MNA/WQ results and associated field indicator parameters are provided below:

- DO and ORP values demonstrate depleted levels of DO and a transformation to more anaerobic or reducing conditions at the former source and downgradient areas relative to side gradient (MW-12) and upgradient areas (MW-4) of the Site. These values suggest that biodegradation of MGP petroleum-related compounds at the source and at downgradient areas are occurring, consuming the available oxygen which produces decreased DO levels.
- The range of ORP levels observed at the source and downgradient area monitoring wells generally indicates reduced aquifer conditions which could be suitable for denitrification, ferric iron reduction, sulfate reduction, and methanogenesis.

- Nitrate concentrations are generally depleted at the former source and downgradient areas of the Site relative to upgradient (MW-4) and side gradient (MW-12) areas, indicating denitrification may be a noteworthy biodegradation process occurring at this time at the source and downgradient areas.
- Ferrous iron concentrations measured across the site during this monitoring event did not exhibit any spatial trends indicative of biodegradation processes.
- Sulfate concentrations at the former source and downgradient areas are not depleted relative to upgradient and side gradient areas. This observation indicates sulfate reduction is not likely to be a significant biodegradation process at this time at the source and downgradient areas.
- Based on the presence of methane, low DO concentrations, and the reduced ORP levels, methanogenesis is likely an important factor for biodegradation capacity in the source and downgradient areas of the Site.

3.2.3 Natural Attenuation Trending

Previous groundwater sampling data collected since April 2013 (the dataset) were utilized to develop and evaluate the contaminant plume and concentration trends of specific constituents at the Site. Plume size and concentration data are indicative of biodegradation capacity (natural attenuation) at the Site and whether the capacity has reached a limit of effectiveness. In order to determine and evaluate natural attenuation effectiveness, statistical testing was utilized for groundwater data collected from monitoring wells at the Site. The Mann-Kendall test was performed on the dataset to identify potential trends in groundwater concentrations of site contaminants. The Mann-Kendall test is a nonparametric evaluation used to identify a trend in a series, even if there is a seasonal component in the series. The three possible hypotheses are that there is a negative, null, or positive trend. In order to apply the statistical analysis, a simple substitution of one-half the laboratory reporting limit was used, for concentrations reported as less than the laboratory reporting limit. The resultant statistical analysis for individual monitoring wells for BTEX compounds and naphthalene concentrations included stable, no trend, decreasing, probably decreasing, increasing or probably increasing throughout the monitoring period. Probably increasing or probably decreasing trends are determined where the confidence in a concentration trend is below 95% but greater than or equal to 90%. It is worth noting that a failure to reject the null hypothesis (i.e., “no trend”) does not prove that there is no trend; it merely means that the available data is not sufficient to conclude there is a discernible increasing or decreasing trend.

The table below depicts the general concentration trend analysis results for each well and associated constituents during the monitoring period.

Table 1 – Contaminant Trend Analysis

Well ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
MW-4	Stable	Stable	Stable	Stable	No Trend
MW-7	Stable	Stable	Stable	Stable	No Trend
MW-10	Probably Increasing	Stable	Stable	Stable	No Trend
MW-11	No Trend	No Trend	Stable	No Trend	Decreasing
MW-12	Stable	Stable	Stable	Stable	No Trend
MW-13	Decreasing	Decreasing	Decreasing	Decreasing	Probably Decreasing
MW-14	Stable	No Trend	No Trend	No Trend	No Trend
MW-15	Decreasing	Stable	Stable	Stable	Probably Increasing
MW-16	Decreasing	Decreasing	Decreasing	No Trend	Increasing

The lower confidence factor resulting in no trend is often due to the variability in the concentrations. For the five (5) monitoring wells with no trend for naphthalene, the one-half laboratory reporting limit in 2024 and 2025 used for the statistical analysis was greater than the historic one-half laboratory reporting limits and/or the detected concentrations observed in the individual monitoring wells causing the output of the analysis to be skewed. A comparison of the dataset to the historical highs and lows was then performed to determine if the plume is stable; in every case, this evaluation concluded the plume is stable. The variability in the contaminant trend results in monitoring well MW-11 is due to the gap in time (2018-2024) where the well was not sampled.

Isoconcentration contour maps were developed for total BTEX (**Figure 5**) and naphthalene (**Figure 6**) contamination. The figures present locations of the groundwater monitoring wells and plume contours for total BTEX (as compared to the benzene WQ value of 1 µg/L) and naphthalene exceeding the NYSDEC WQ values. Evaluation of the isoconcentration figures suggests that the contaminant plumes were relatively stable to decreasing (smaller footprint with time) within the Site boundary. BTEX constituent plume trends (concentrations above the benzene WQ value of 1 µg/L) have consistently included monitoring wells MW-11, MW-13, MW-15, and MW-16. The naphthalene plume (concentrations above the WQ) currently includes monitoring wells MW-13, MW-15, and MW-16.

4 Conclusions and Recommendations

4.1 Conclusions

4.1.1 Groundwater Levels

The groundwater elevation data indicates groundwater within the Site flows from the south to the north, toward Cayadutta Creek. The groundwater flow direction has been consistent during

previous gauging events and with data obtained prior to the ROD. **Figure 3** is a groundwater monitoring map verifying groundwater flow direction.

4.1.2 Site-Related Constituents

The highest concentrations of BTEX constituents and PAH compounds are at wells MW-13, MW-15, and MW-16. All detected BTEX and PAH concentrations were within or near historical concentrations ranges. Site institutional controls continue to be effective and will continue to be monitored semi-annually.

There are minimal concentrations of lead in groundwater samples; however, lead was detected in well MW-12 for the first time since 2014 (at an estimated concentration well below the NYSDEC WQ value). Cyanide has been detected consistently in most wells, the October 2025 concentrations were within historical concentrations ranges.

4.1.3 Natural Attenuation

Plume stability at the Site is an indication that biodegradation capacity likely has not reached its limit of effectiveness. The use of statistical testing has identified the plume trends based on the constituent concentrations were typically either stable or decreasing. At wells MW-15 and MW-16, the Mann Kendall test indicates that naphthalene is increasing over time, however current groundwater concentrations at each location are consistent with the results obtained over 10 years of monitoring. At well MW-10, the Mann Kendall test indicates that benzene is increasing over time, however the groundwater concentrations have historically been below reporting limits or less than 2 µg/L.

4.2 Recommendations

Based on the results of the October 2025 groundwater sampling and monitoring event and results from previous events, it is recommended to continue the long-term semi-annual site inspection and groundwater monitoring program. The next event will occur in April 2026.

National Grid proposes to reduce the sampling frequency for the monitored natural attenuation parameters that are collected and analyzed as part of the semi-annual groundwater monitoring events. Since these parameters are used to evaluate long-term trends in groundwater quality over time and the groundwater monitoring program is anticipated to continue for the foreseeable future, the collection of these analytes during each semiannual sampling event is not necessary. Accordingly, National Grid proposes to reduce analysis of these parameters to a frequency of once every two years, alternating between the spring and fall seasons to allow for continued collection of data to be evaluated for seasonal trends (i.e., natural attenuation sampling will be conducted during the next sampling event in spring 2026, then in fall 2028, spring 2030, fall 2032, etc.).

Sampling and analysis for the MGP site-related parameters (i.e., select volatile organic compounds, semi-volatile organic compounds, lead, and cyanide) will continue semi-annually without change.

Upon approval of this proposed modification by NYSDEC, National Grid will prepare and submit an addendum to the SMP describing the groundwater sampling program schedule modification.

5 References

Borden, Robert C., et. al., "Geochemical Indicators of Intrinsic Bioremediation". Groundwater, Volume 33, Number 2, March/April 1995.

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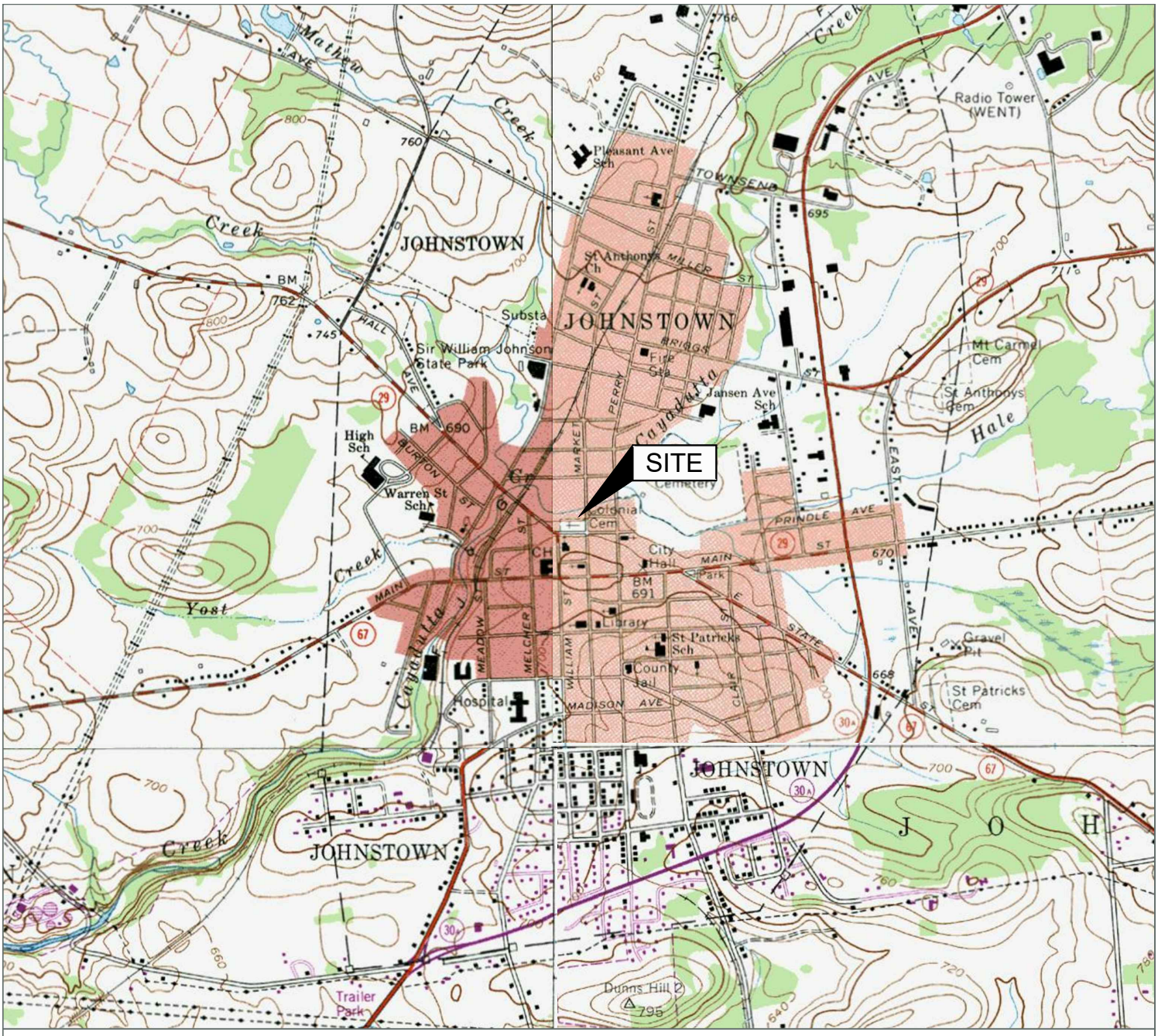
Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1970
Gloversville, New York
Contour Interval = 20'

Site Location Map

National Grid
Former MGP Site
105 N Market Street
Johnstown, New York

Drawn
W.G.S.
Designed

Approved

Date
11/15/19
Figure
1

N

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

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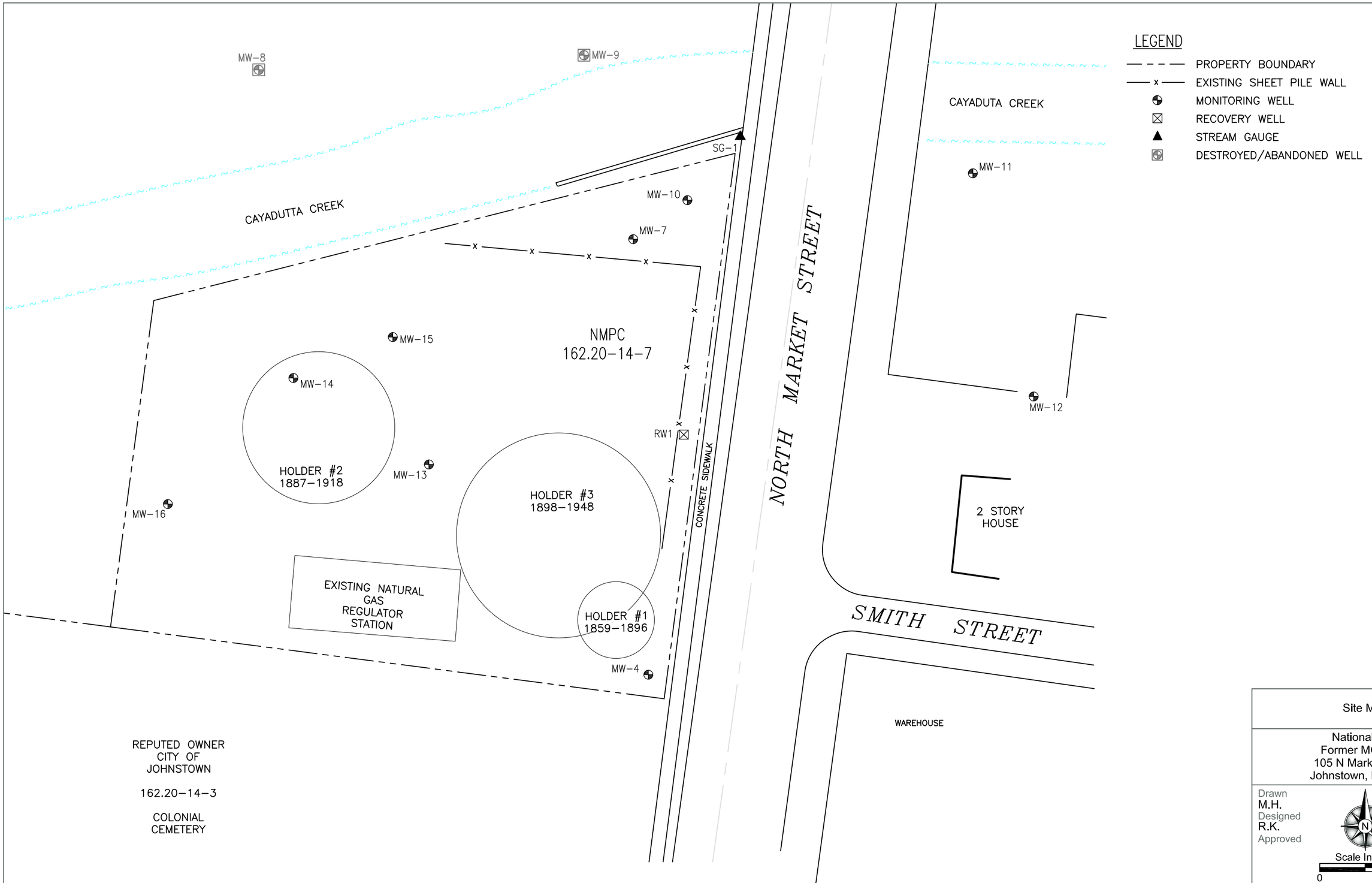

Site Map

National Grid
Former MGP Site
105 N Market Street
Johnstown, New York

Drawn
M.H.
Designed
R.K.
Approved

Date
11/03/25
Figure
2

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

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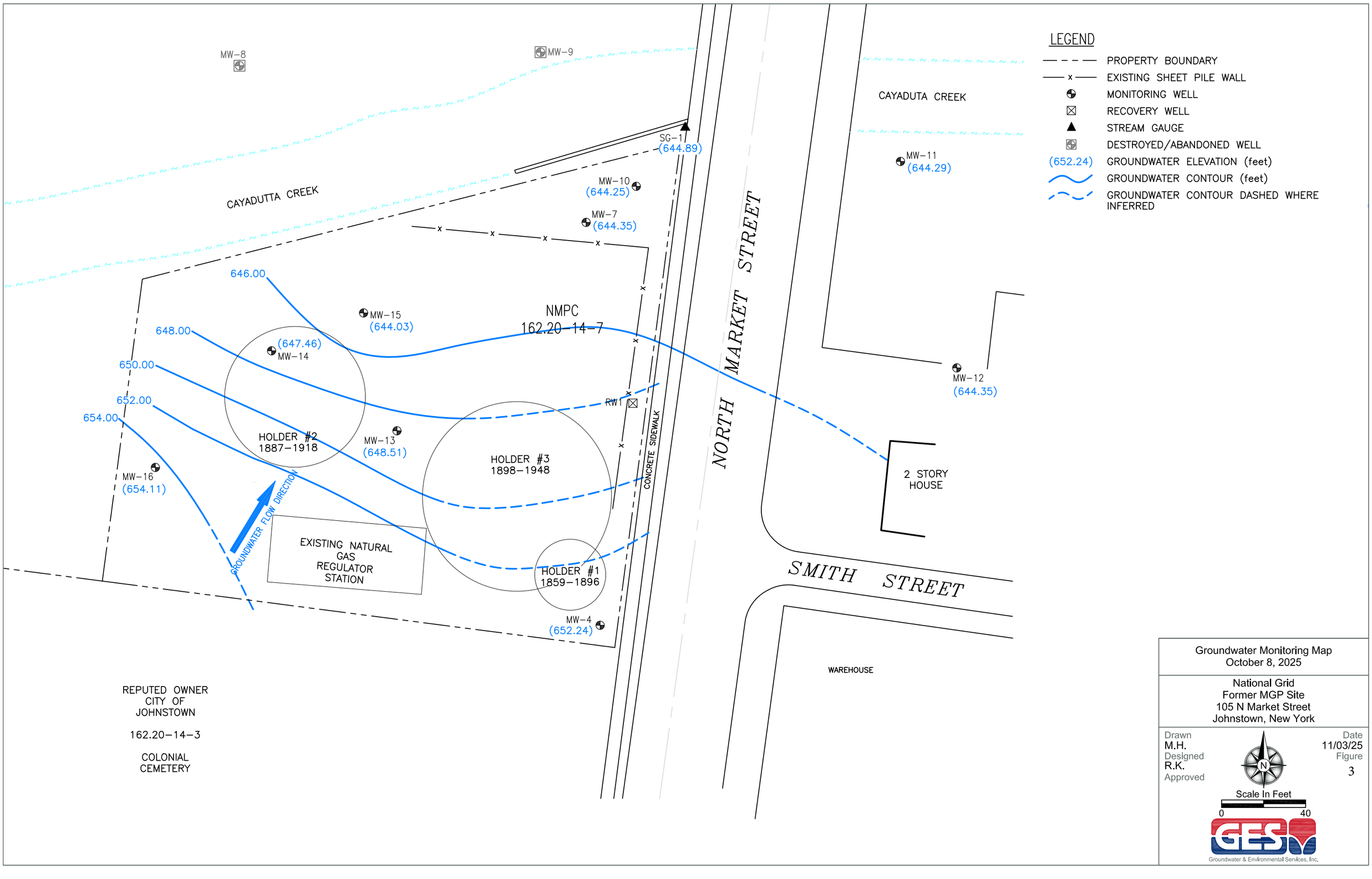


Groundwater Monitoring Map
October 8, 2025

National Grid
Former MGP Site
105 N Market Street
Johnstown, New York

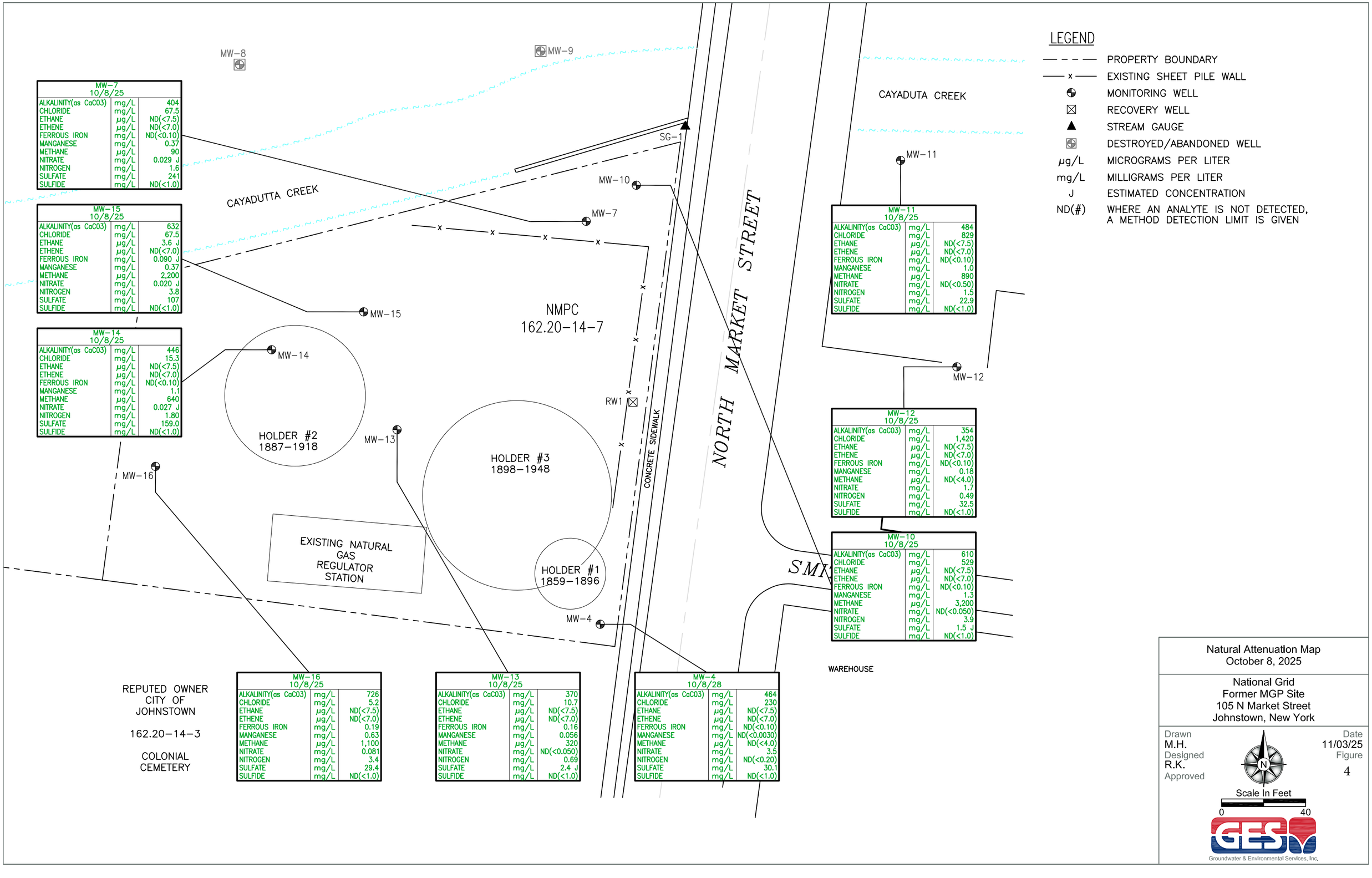
Drawn M.H.
Designed R.K.
Approved

Date 11/03/25
Figure 3

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Johnstown\Johnstown SM.dwg, B40 sm, mhollister



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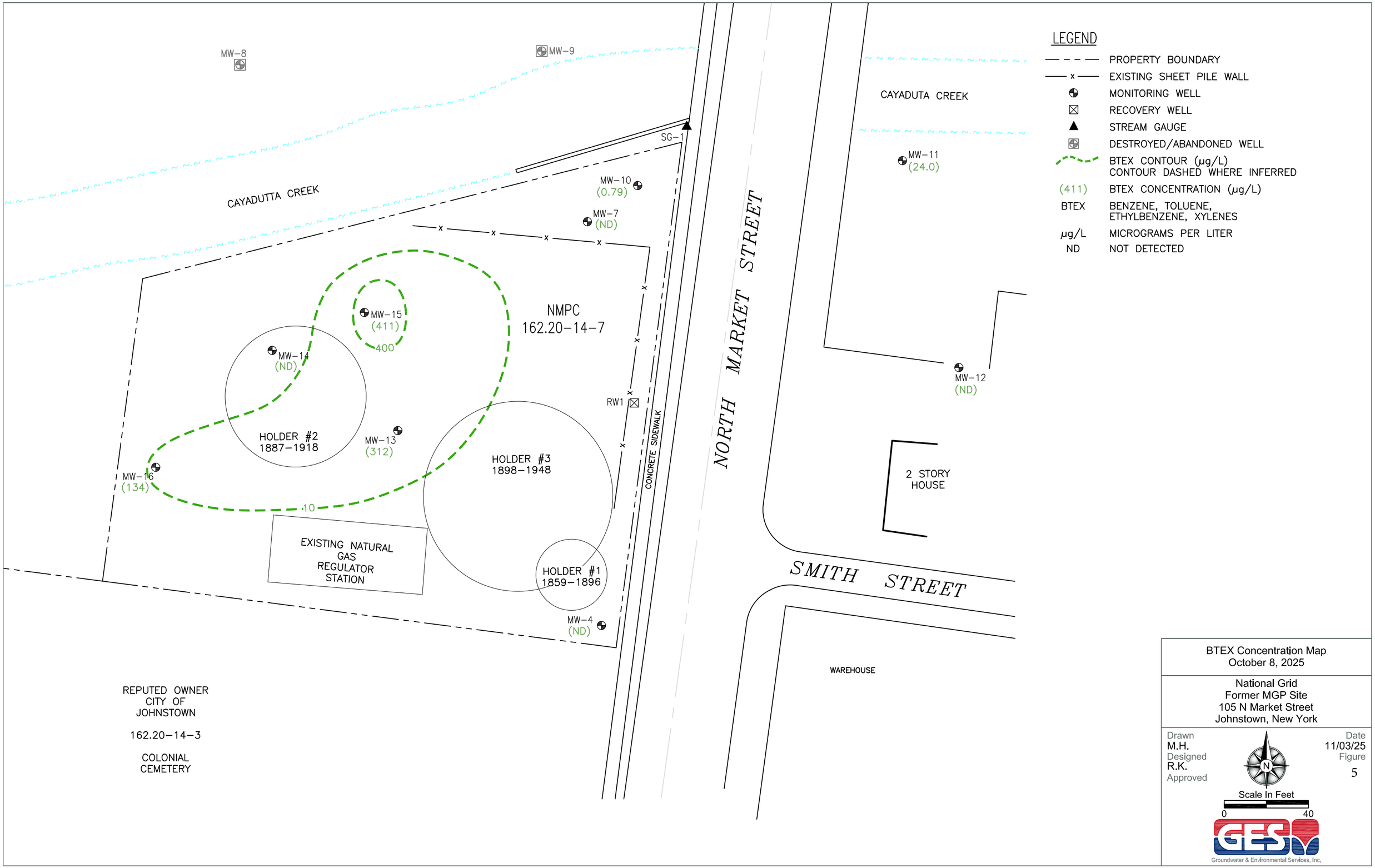


BTEX Concentration Map
October 8, 2025

National Grid
Former MGP Site
105 N Market Street
Johnstown, New York

Drawn M.H.
Designed R.K.
Approved

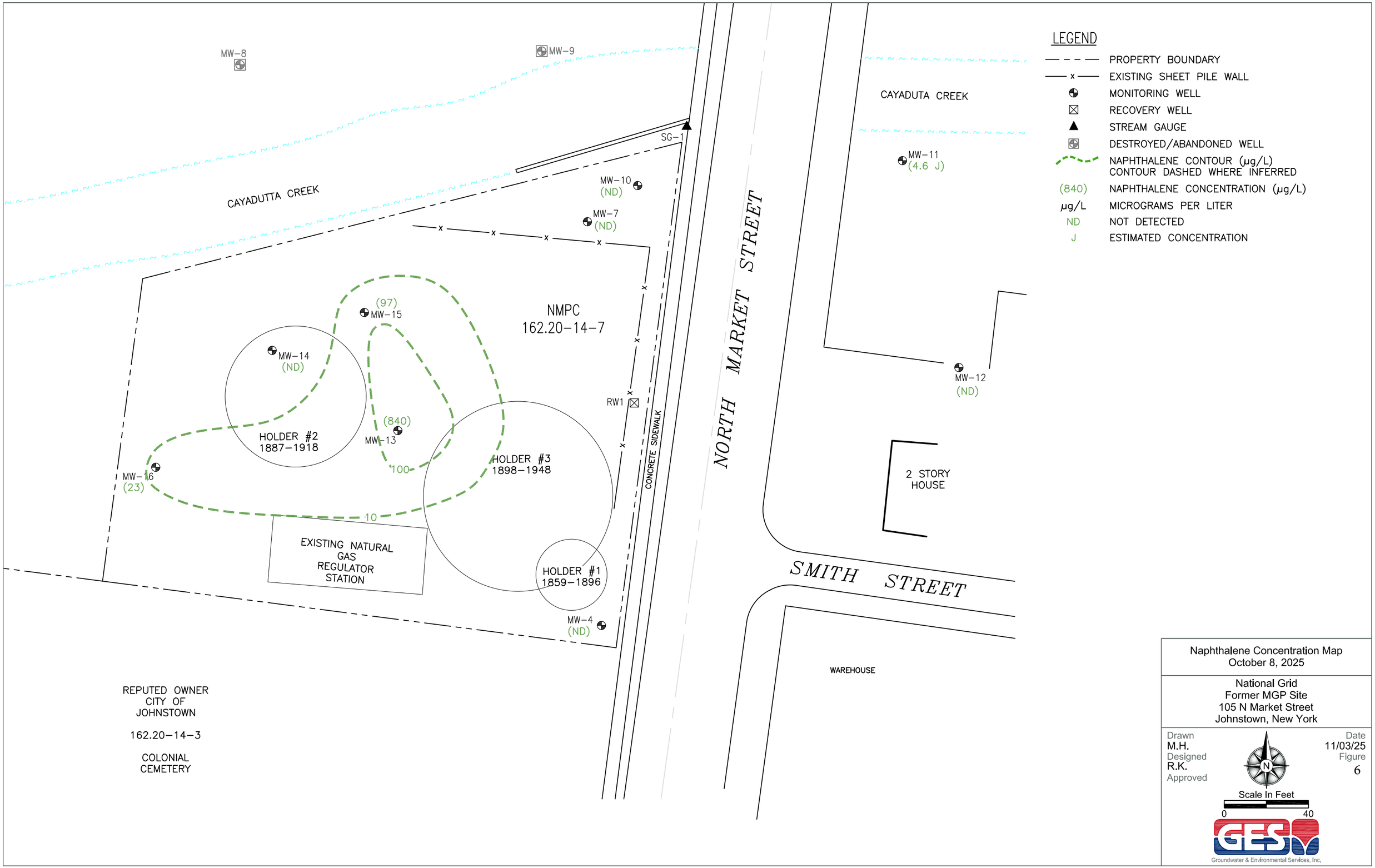
Date 11/03/25
Figure 5

N

Scale In Feet
0 40

GES
Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Johnstown\Johnstown SM.dwg, B40 sm, mhollister



Naphthalene Concentration Map
October 8, 2025

National Grid
Former MGP Site
105 N Market Street
Johnstown, New York

Drawn
M.H.
Designed
R.K.
Approved

Date
11/03/25
Figure
6

Scale In Feet
0 40

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Johnstown\Johnstown SM.dwg, B40 sm, mhollister

Tables

Table 2

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	6/30/2010		9/29/2010		1/5/2011		4/8/2011		6/16/2011		10/13/2011		12/15/2011	
		Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)
MW-4	676.54	23.10	653.44	23.41	653.13	22.95	653.59	22.50	654.04	22.04	654.50	21.41	655.13	22.78	653.76
MW-7	659.08	14.25	644.83	13.18	645.90	13.88	645.20	12.87	646.21	13.80	645.28	13.15	645.93	15.45	643.63
MW-10	657.59	14.80	642.79	14.60	642.99	14.75	642.84	14.09	643.50	14.77	642.82	14.11	643.48	14.22	643.37
MW-11	657.29	NM	NM	13.57	643.72	13.59	643.70	12.51	644.78	13.38	643.91	12.95	644.34	12.76	644.53
MW-12	660.08	NM	NM	NM	NM	15.06	645.02	NM	NM	NM	NM	13.61	646.47	14.54	645.54
MW-13	664.89	14.65	650.24	15.22	649.67	14.95	649.94	11.18	653.71	13.99	650.90	11.91	652.98	14.31	650.58
MW-14	663.91	13.50	650.41	14.46	649.45	14.28	649.63	12.86	651.05	13.65	650.26	13.26	650.65	13.65	650.26
MW-15	661.85	16.90	644.95	17.24	644.61	17.68	644.17	15.07	646.78	16.63	645.22	15.95	645.90	16.38	645.47
MW-16	665.57	9.70	655.87	10.19	655.38	12.33	653.24	11.00	654.57	10.50	655.07	9.79	655.78	9.91	655.66
RW-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GAUGE1	659.97	15.07	644.90	20.20	639.77	16.30	643.67	15.75	644.22	16.75	643.22	16.05	643.92	15.62	644.35

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured
NRP = No Reference Point

Table 2

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	3/15/2012		10/9/2012		4/18/2013		10/7/2013		4/9/2014		10/13/2014		4/16/2015	
		Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)
MW-4	676.54	22.81	653.73	NM	NM	23.97	652.57	23.12	653.42	23.28	653.26	23.28	653.26	22.91	653.63
MW-7	659.08	13.55	645.53	14.17	644.91	13.53	645.55	14.36	644.72	13.71	645.37	14.61	644.47	13.23	645.85
MW-10	657.59	14.18	643.41	15.05	642.54	14.27	643.32	14.44	643.15	14.13	643.46	14.98	642.61	14.15	643.44
MW-11	657.29	12.73	644.56	13.95	643.34	13.01	644.28	13.16	644.13	12.68	644.61	13.71	643.58	12.62	644.67
MW-12	660.08	14.26	645.82	16.36	643.72	14.06	646.02	14.99	645.09	14.41	645.67	15.65	644.43	14.25	645.83
MW-13	664.89	14.98	649.91	16.12	648.77	14.18	650.71	15.08	649.81	14.84	650.05	15.53	649.36	11.34	653.55
MW-14	663.91	15.49	648.42	16.98	646.93	13.14	650.77	14.74	649.17	15.70	648.21	15.02	648.89	13.06	650.85
MW-15	661.85	16.41	645.44	17.85	644.00	16.26	645.59	17.21	644.64	16.67	645.18	17.55	644.30	15.31	646.54
MW-16	665.57	11.56	654.01	10.51	655.06	9.98	655.59	9.85	655.72	9.45	656.12	10.24	655.33	10.48	655.09
RW-1	-	-	-	17.98	-	16.21	-	15.95	-	12.32	-	17.31	-	16.84	-
GAUGE1	659.97	15.69	644.28	NM	NM	19.10	640.87	18.85	641.12	18.85	641.12	20.01	639.96	18.91	641.06

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured
NRP = No Reference Point

Table 2

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	10/13/2015		4/6/2016		10/25/2016		4/26/2017		10/11/2017		4/26/2018		10/17/2018	
		Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)
MW-4	676.54	23.48	653.06	23.51	653.03	24.03	652.51	21.09	652.19	24.35	652.19	22.48	654.06	23.20	653.34
MW-7	659.08	14.61	644.47	14.19	644.89	15.00	644.08	13.62	645.46	14.83	644.25	12.85	646.23	14.40	644.68
MW-10	657.59	14.95	642.64	14.77	624.82	15.18	642.41	14.37	643.22	15.02	642.57	13.05	644.54	14.60	642.99
MW-11	657.29	-	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW-12	660.08	15.62	644.46	14.95	645.13	15.82	644.26	13.55	646.53	15.62	644.46	14.00	646.08	15.10	644.98
MW-13	664.89	14.98	649.91	15.95	648.94	16.32	648.57	13.27	651.62	15.80	649.09	12.98	651.91	14.15	650.74
MW-14	663.91	13.63	650.28	16.81	647.1	16.8	647.11	13.71	650.20	15.88	648.03	13.71	650.20	13.88	650.03
MW-15	661.85	17.23	644.62	17.355	644.3	17.9	643.95	16.05	645.80	17.86	643.99	15.71	646.14	16.70	645.15
MW-16	665.57	9.61	655.96	10.79	654.78	11.11	654.46	9.02	656.55	10.43	655.14	9.52	656.05	9.88	655.69
RW-1	-	13.21	-	13.03	NRP	12.88	NRP	10.6	NRP	17.40	NRP	12.35	NRP	12.38	NRP
GAUGE1	659.97	19.91	640.06	19.76	640.21	18.40	641.57	15.70	644.27	15.46	644.51	14.55	645.42	15.70	644.27

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured
NRP = No Reference Point

Table 2

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	4/18/2019		10/16/2019		5/20/2020		10/7/2020		4/14/2021		10/6/2021		4/13/2022	
		Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)
MW-4	676.54	22.60	653.94	23.47	653.07	22.11	654.43	24.21	652.33	23.46	653.08	22.99	653.55	22.55	653.99
MW-7	659.08	13.85	645.23	14.73	644.35	15.15	643.93	15.02	644.06	14.31	644.77	13.99	645.09	13.38	645.70
MW-10	657.59	14.50	643.09	15.02	642.57	15.02	642.57	15.15	642.44	14.77	642.82	14.24	643.35	14.12	643.47
MW-11	657.29	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-	NM	-
MW-12	660.08	14.40	645.68	15.54	644.54	14.62	645.46	15.85	644.23	15.29	644.79	14.81	645.27	13.68	646.40
MW-13	664.89	13.07	651.82	14.74	650.15	15.42	649.47	16.05	648.84	14.02	650.87	14.48	650.41	12.18	652.71
MW-14	663.91	13.80	650.11	13.8	650.11	14.23	649.68	16.15	647.76	13.95	649.96	14.21	649.70	13.76	650.15
MW-15	661.85	15.60	646.25	17.05	644.80	16.52	645.33	17.69	644.16	16.61	645.24	16.40	645.45	15.69	646.16
MW-16	665.57	10.39	655.18	9.78	655.79	9.81	655.76	10.93	654.64	9.94	655.63	9.81	655.76	8.84	656.73
RW-1	-	15.22	NRP	13.00	NRP	11.40	NRP	13.83	NRP	12.72	NRP	11.49	NRP	9.28	NRP
GAUGE1	659.97	15.50	644.47	16.28	643.69	16.05	643.92	16.38	643.59	16.73	643.24	16.02	643.95	15.60	644.37

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured
NRP = No Reference Point

Table 2

Groundwater Level Measurements

Well ID	ELEVATION REFERENCE POINT	10/6/2022		4/19/2023		10/11/2023		4/16/2024		10/17/2024		4/16/2025		10/8/2025	
		Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)	Depth to Water (ft TOC)	GW Elevation (ft AMSL)
MW-4	676.54	24.00	652.54	22.02	654.52	24.62	651.92	21.74	654.80	24.14	652.40	22.80	653.74	24.30	652.24
MW-7	659.08	15.08	644.00	14.05	645.03	14.78	644.30	13.59	645.49	15.00	644.08	13.92	645.16	14.73	644.35
MW-10	658.59	14.99	642.60	14.79	642.80	14.91	642.68	14.23	643.36	15.07	642.52	14.42	644.17	14.34	644.25
MW-11	657.29	NM	-	NM	-	NM	-	12.41	644.88	13.45	643.84	13.08	644.21	13.00	644.29
MW-12	660.08	15.06	645.02	14.17	645.91	15.06	645.02	13.46	646.62	15.55	644.53	14.53	645.55	15.73	644.35
MW-13	664.89	15.63	649.26	13.34	651.55	15.52	649.37	12.25	652.64	16.33	648.56	13.41	651.48	16.38	648.51
MW-14	663.91	14.15	649.76	13.95	649.96	14.73	649.18	13.85	650.06	16.68	647.23	13.7	650.21	16.45	647.46
MW-15	661.85	16.67	645.18	16.90	644.95	17.36	644.49	15.78	646.07	17.82	644.03	16.19	645.66	17.82	644.03
MW-16	665.57	10.31	655.26	9.48	656.09	10.35	655.22	9.05	656.52	11.35	654.22	9.20	656.37	11.46	654.11
RW-1	-	16.30	NRP	10.43	NRP	15.28	NRP	9.42	NRP	17.47	NRP	10.03	NRP	17.80	NRP
GAUGE1	659.97	14.65	645.32	19.31	640.66	15.63	644.34	15.20	644.77	15.75	644.22	15.55	644.42	15.08	644.89

ft AMSL = Feet above mean sea level
ft TOC = Feet from top of inner casing
GW = Groundwater
NM = Not measured
NRP = No Reference Point
MW-10 was resurveyed in January 2025. The initial elevation referenced point was 657.59 ft AMSL.

Table 3

Groundwater Analytical Data
MW-4

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/14/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
m/p-Xylene	µg/L	5	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
o-Xylene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs																										
Acenaphthene	µg/L	20	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	0.21	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.000	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	3.2	2.2	2.2	2.2	ND (<0.51)	0.29	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	2.4	0.17	ND (<0.10)	ND (<0.099)	0.46	0.24	0.17	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.49)	ND (<0.49)	ND (<0.49)	ND (<0.52)	ND (<0.52)	ND (<0.10)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.12)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<10.0)	ND (<10.0)	ND (<10.0)	ND (<10.0)
Cyanide	mg/L	0.2	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-4

CONSTITUENT	UNITS	04/09/14	10/15/14	04/16/15	10/14/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																									
Alkalinity (as CaCO3)	mg/L	398	400	384	412	394	414	392	418	424	424	452	410	360	390	386	500	406	NS	402	436	378	335	405	464
Chloride	mg/L	304	329	295	365	304	421	377	ND (<300)	233	306	360	260	296	200	315	637	339	NS	425	266	240	192	147	230
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<0.025)	ND (<0.025)	ND (<0.030)	0.037J	ND (<0.16)	ND (<1.0)	0.036 J	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.00)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	1.9 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<0.035)	ND (<0.035)	ND (<0.10)	ND (<0.10)	ND (<0.032)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.00)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	1.9 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	0.14	0.11	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.10	ND (<0.10)	ND (<0.10)	ND (<0.10)	NS	ND (<0.10)	ND (<0.10)	0.21	ND(<0.10)	ND(<0.10)	ND(<0.10)
Manganese	mg/L	ND (<3.0)	ND (<3.0)	ND (<3.0)	0.019	0.0031	0.0053	ND (<0.005)	ND (<0.005)	ND (<0.005)	0.0065	ND (<0.005)	0.0318	ND (<0.005)	0.0541	ND (<0.005)	0.0621	ND (<0.005)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.0030)	0.00040 J	0.0012 J	ND (<0.0030)
Methane	µg/L	ND (<4.0)	ND (<4.0)	ND (<4.0)	ND (<4.0)	ND (<4.0)	0.32J	0.47J	0.27J	0.29J	ND (<0.30)	ND (<2.5)	ND (<2.5)	ND (<1.00)	ND (<5.00)	ND (<5.00)	3.01 J	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<4.0)	1.2 J	ND (<4.0)	ND (<4.0)
Nitrate	mg/L	3.6	2.7	2.9	2.9	3.4	3.2	2.2	3.2	0.69	2.1	3.9	2.7	2.8	2.2	3.9	2.2	2.6	2.2	1.8	1.8	0.22	2.0	3.3	3.5
Nitrogen	mg/L	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<0.2)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	0.23	ND(<0.20)	0.29	ND(<0.20)
Sulfate	mg/L	70.7	50.8	60	60	73.9	60.8	23.0	56.7	50.0	ND (<50.0)	35.8	42.1	23.7	37.0	35.9	51.4	35.1	NS	20.1	38.1	25.8	35.9	28.7	30.1
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-7

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/14/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	**1.3**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
m/p-Xylene	µg/L	5	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
o-Xylene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.3	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs																										
Acenaphthene	µg/L	20	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	0.10	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	0.13	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	0.20	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	0.10	ND (<0.10)	0.17	0.11	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.12**	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.000	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.11**	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.10**	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.12**	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	0.16	ND (<0.10)	0.29	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	ND (<0.48)	ND (<0.46)	ND (<0.46)	5.2	ND (<0.49)	3.0	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	0.83	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	0.11	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	0.14	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.48)	ND (<0.46)	ND (<0.46)	ND (<0.49)	ND (<0.49)	ND (<0.10)	ND (<0.097)	ND (<0.097)	ND (<0.098)	ND (<0.11)	ND (<0.11)	0.26	ND (<0.10)	0.43	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Cyanide and Lead																										
Lead	µg/L	25	7.1	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	5.6	ND (<5.0)	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	12	ND (<10)	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	0.16	0.13	0.18	0.18	0.18	0.15	0.18	0.16	0.14	0.17	0.129	0.17	ND (<0.010)	**0.35**	0.11	0.13	**0.26**	0.15	0.15	0.14	0.15	0.14	0.14	0.10

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-7

CONSTITUENT	UNITS	04/09/14	10/15/14	04/16/15	10/14/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																									
Alkalinity (as CaCO3)	mg/L	375	392	340	403	395	406	412	380	390	440	370	400	446	430	422	440	404	NS	394	406	426	375	416	404
Chloride	mg/L	79	62.8	67.7	66.7	66.2	79.4	68.9	64.6	63.6	59.4	63.9	50.9	58.1	56.5	62.6	53.4	83.3	NS	90.0	68.4	61.8	70.9	65.7	67.5
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	0.38J	0.86J	0.20J	0.32J	0.18J	0.13 J	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.00)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	1.9 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<0.035)	0.090J	ND (<0.10)	ND (<0.10)	ND (<0.032)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.00)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	1.7 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	6.24	ND (<0.1)	ND (<0.1)	ND (<0.1)	0.14	0.59	3.7	3.3	2.8	3.2	2.5	2.1	4.3	2.9	0.66	2.3	0.93	NS	3.6	5.7	0.81	2.6	0.3	ND (<0.10)
Manganese	mg/L	0.564	0.49	0.49	0.46	0.53	0.43	0.478	0.476	0.476	0.459	0.487	0.395	0.513	0.420	0.440	0.400	0.307	0.379	0.389	0.401	0.47	0.35	0.44	0.37
Methane	µg/L	150	82	35	96	17	160	240	120	170	150	140	160	111	30.3	ND (<5.00)	88.2	67.2	NS	19.2	61.4	61	96	120	90
Nitrate	mg/L	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	0.14	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.10)	ND (<0.20)	0.11	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.022 J	0.028 J	0.063	0.029 J
Nitrogen	mg/L	0.16	2	1.1	1.5	1.6	2.2	1.8	1.3	1.7	1.2	1.6	0.11	1.6	ND (<0.10)	1.7	1.7	1.4	1.6	1.4	1.5	1.6	4.3	1.8	1.6
Sulfate	mg/L	540	457	442	533	384	476	396	394	389	331	334	259	307	298	280	321	287	NS	257	281	281	243	261	241
Sulfide	mg/L	1.4	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	2.4	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-10

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/13/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	**2.3**	ND (<1.0)	ND (<1.0)	**1.9**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**1.5**	ND (<1.0)	**1.5**	1.0 J	**1.3**	0.79 J
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)
m/p-Xylene	µg/L	5	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	ND (<4.0)	ND (<2.0)
o-Xylene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<2.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	2	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs																										
Acenaphthene	µg/L	20	0.8	ND (<0.48)	0.63	ND (<0.50)	ND (<0.50)	1.4	0.72	1.6	0.53	1.7	1.4	1.8	0.52	1.9	2.0	1.6	1.5	2.2	1.9	2.2	2.6 J	3.0 J	2.1 J	3.2 J
Acenaphthylene	µg/L	NC	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	0.18	0.16	0.18	0.11	0.22	0.22	0.27	ND (<0.095)	0.43	0.38	0.27	0.24	0.29	0.25	0.29	ND (<5.0)	ND (<5.0)	ND (<5.0)	0.41 J
Anthracene	µg/L	50	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	0.14	0.14	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	**0.11**	ND (<0.099)	ND (<0.10)	ND (<0.11)	**0.13**	**0.15**	ND (<0.095)	**0.63**	**0.61**	**0.16**	**0.20**	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	**0.10**	ND (<0.099)	ND (<0.10)	ND (<0.11)	**0.12**	**0.15**	ND (<0.095)	**0.56**	**0.67**	**0.16**	**0.16**	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	**0.17**	ND (<0.099)	ND (<0.10)	ND (<0.11)	**0.13**	**0.15**	ND (<0.095)	**0.65**	**0.89**	**0.23**	**0.24**	ND (<0.10)	**0.11**	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	0.24	0.32	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	**0.15**	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	**0.25**	**0.85**	**0.19**	**0.22**	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	**0.099**	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	**0.12**	ND (<0.095)	**0.53**	**0.51**	ND (<0.11)	0.17	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	ND (<0.099)	0.11	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	0.10	0.16	ND (<0.099)	ND (<0.10)	ND (<0.11)	0.18	0.22	ND (<0.095)	0.78	0.78	0.18	0.24	ND (<0.10)	0.11	ND (<0.11)	ND (<5.0)	0.45 J	ND (<5.0)	ND (<5.0)
Fluorene	µg/L	50	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	0.21	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	**0.23**	**0.30**	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	ND (<0.48)	ND (<0.48)	ND (<0.50)	7.9	ND (<0.50)	0.23	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	0.49	ND (<0.096)	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	0.95	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<0.10)	ND (<0.097)	ND (<0.099)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.096)	ND (<0.095)	0.18	0.20	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Pyrene	µg/L	50	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<0.50)	0.15	0.20	ND (<0.099)	ND (<0.10)	0.13	0.22	0.27	ND (<0.095)	0.97	0.90	0.26	0.30	0.14	0.15	0.14	ND (<5.0)	0.41 J	ND (<5.0)	ND (<5.0)
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	ND (<5.0)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<5.0)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	6.0	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	24	ND (<10)	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	0.081	0.10	0.098	0.010	0.085	0.081	0.13	0.10	0.12	0.079	0.114	0.093	0.097	0.10	0.060	0.066	0.097	0.078	0.12	0.072	0.13	0.098	0.110	0.082

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-10

CONSTITUENT	UNITS	04/09/14	10/15/14	04/16/15	10/13/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																									
Alkalinity (as CaCO3)	mg/L	566	548	512	581	586	660	628	616	606	650	550	640	624	502	524	650	612	640	586	614	572	630	576	610
Chloride	mg/L	470	664	698	1060	893	784	390	427	419	709	440	566	314	472	945	768	816	751	970	823	406	600	459	529
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	0.16J	0.33J	0.20J	0.24J	0.42J	0.29 J	0.34 J	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	2.9 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<0.035)	0.12J	ND (<0.10)	ND (<0.10)	ND (<0.032)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	2.0 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	6.06	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.11	1.0	4.2	4.7	3.2	4.8	2.6	2.2	5.3	1.2	1.1	3.2	2.0	5.9	4.3	11.5	1.5	4.9	0.4	ND (<0.10)
Manganese	mg/L	1.07	1.3	1.3	1.6	1.2	1.2	1.020	1.030	0.882	0.994	0.946	1.15	0.953	0.771	1.09	1.040	1.150	1.24	1.16	1.47	1.2	1.3	1.3	1.3
Methane	µg/L	110	130	63	82	56	420	300	330	470	680	460	1300	390	451	ND (<5.00)	780	594	NS	482	63.1	900	2,800	2,800	3,200
Nitrate	mg/L	ND (<0.05)	ND (<0.05)	ND (<0.05)	0.11	ND (<0.05)	0.12	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.50)	ND (<0.10)	ND (<0.20)	ND (<0.50)	ND (<0.10)	0.14	0.41	0.021 J	ND (<0.050)	ND (<0.050)	ND (<0.050)
Nitrogen	mg/L	4.8	6.2	5.6	6.3	4	6.5	5.1	3.8	3.3	4.5	4	ND (<1.0)	2.5	1.0	4.0	4.7	3.8	3.6	3.9	4.5	3.5	3.0	4.1	3.9
Sulfate	mg/L	153	89.7	167	53.9	44.4	56.6	148	38.2	ND (<100)	23.0	59.4	20.9	55.2	23.9	7.8	9.7	12.3	4.6	12.4	5.0	ND (<5.0)	ND (<5.0)	3.4 J	1.5 J
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	3.4	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-11

CONSTITUENT	UNITS	NYSDEC AWQS Values	09/29/10	01/04/11	04/06/11	06/14/11	10/11/11	12/13/11	03/14/12	10/09/12	04/18/13	10/08/13	04/09/14	10/20/14	04/16/15	10/14/15 to 10/11/23*	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																				
Benzene	µg/L	1	**27**	**16**	**2.8**	**13**	**18**	**15**	**7.9**	**12**	**3.5**	**8.1**	**10**	**22**	**7.3**	NS	**16**	**18**	**12**	**17**
Ethylbenzene	µg/L	5	**7.3**	**7.2**	1.9	**6.9**	**6.1**	**5.5**	3.5	ND (<1.0)	1.2	3.8	**5.1**	**7.8**	3	NS	**6.4**	**6.3**	**6.3**	**5.9**
m/p-Xylene	µg/L	5	3	3.9	2.2	**5.3**	2.4	2.1	1.4J	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	2.1	ND (<2.0)	NS	1.3 J	ND (<4.0)	1.3 J	ND (<4.0)
o-Xylene	µg/L	5	2.6	2.7	1.1	3.1	2.0	2.0	1.2	ND (<1.0)	ND (<1.0)	1.6	2.1	2.6	1.5	NS	1.7	1.6 J	1.9	ND (<2.0)
Toluene	µg/L	5	1.3	1.3	ND (<1.0)	1.4	0.97J	0.99J	0.69J	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.1	1.9	ND (<1.0)	NS	1.3	1.4 J	1.2	1.1 J
PAHs																				
Acenaphthene	µg/L	20	**150 D**	**140 D**	**150**	**110**	**120**	**130**	**100**	**140 E**	**97**	**110**	**120**	**110**	**59**	NS	**210**	**280**	**140**	**240**
Acenaphthylene	µg/L	NC	280JD	330 D	290	290	240 D	270 D	210	160 E	120	170	110	150	56	NS	130	160	79	110
Anthracene	µg/L	50	21	18	**88**	19 B	19	17	11	23	13	28	13	16	4.2	NS	11 J	17	8.4 J	13
Benzo(a)anthracene	µg/L	0.002	**2.2J**	**2.2**	**35**	**6.2 B**	**2.7**	**3.0 B**	**5.2 B**	**3.8**	ND (<0.002)	**8.3**	**3.2**	**4.8**	**1.9**	NS	ND (<25)	**0.79 J**	**0.63 J**	**0.53 J**
Benzo(a)pyrene	µg/L	0.002	**1.7**	**2.2**	**34**	**5.7 B**	**2.8**	**2.5 B**	**2.3J**	**2.7**	**3.3**	**8.5**	**2.8**	**4.7**	**0.84**	NS	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	**0.65J**	**0.82J**	**24**	**4.8 B**	**1.9**	**2.1**	**1.8J**	**1.7**	ND (<0.002)	ND (<0.002)	ND (<0.002)	**4.6**	**0.68**	NS	ND (<25)	**0.35 J**	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	0.90J	1.2J	20	4.0 B	1.4	1.7	1.3J	1	1	3.4	ND (<0.002)	1.8	ND (<0.002)	NS	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	**0.90J**	**1.1J**	**12**	**2.5 B**	**1**	**0.78**	**1.2J**	**1.6**	ND (<0.002)	ND (<0.002)	ND (<0.002)	**2.1**	ND (<0.002)	NS	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	**2.8**	**2.9**	**43**	**8.1 B**	**3.3**	**3.5 B**	ND (<5.1)	**3.4**	**4.4**	**10**	**5.4**	**7.6**	**0.99**	NS	**1.7 J**	**1.2 J**	**1.1 J**	**0.41 J**
Dibenzo(a,h)anthracene	µg/L	NC	ND (<1.0)	ND (<2.1)	3.2	ND (<2.4)	0.30J	0.59	ND (<5.1)	ND (<5.1)	ND (<5.1)	ND (<5.1)	ND (<5.1)	ND (<0.47)	ND (<0.47)	NS	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	18	14	**96**	22 B	20	16	12	24	14	28	12	16	5.4	NS	13 J	17 J	9.4	13 J
Fluorene	µg/L	50	**110 D**	**100 D**	**130**	**72**	**79**	**83**	**62**	**92**	**62**	**70**	31	44	16	NS	**69**	**110**	44 J	**73**
Indeno(1,2,3-cd)pyrene	µg/L	0.002	**0.65J**	**2.1U**	**13**	**2.8 B**	**0.96**	**1.0 B**	**0.69J**	**1.6**	ND (<0.002)	ND (<0.002)	ND (<0.002)	**1.2**	ND (<0.002)	NS	ND (<25)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	**180 D**	**560 D**	**300**	**480**	**310 D**	**230 D**	**140**	**110**	**50**	**87**	ND (<10)	**51**	2.3	NS	**120**	**63**	**40 J**	4.6 J
Phenanthrene	µg/L	50	**160 D**	**150 D**	**260**	**52 B**	**140 D**	**130**	**91**	**170**	**80**	**130**	5.8	**62**	1.5	NS	**82**	**180**	**44 J**	**90**
Pyrene	µg/L	50	26J	17	**150**	28 B	21	21	16	28	18	34	17	20	4.2	NS	15 J	20	11 J	17
Cyanide and Lead																				
Lead	µg/L	25	ND (<5.0)	ND (<5.0)	**40**	7.6	12	ND (<5.0)	4.6J	ND (<5.0)	ND (<5.0)	5.9	ND (<5.0)	0.014	ND (<5.0)	NS	**46**	3.3 J	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	0.024	0.027	R	0.015J	0.021	ND (<0.01)	0.012	ND (<0.010)	ND (<0.010)	ND (<0.010)	0.018	0.021	0.012	NS	0.020	0.021	0.013	0.012

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

* = Monitoring well is inaccessible due to debris and was not sampled during this time period

Table 3

Groundwater Analytical Data
MW-11

CONSTITUENT	UNITS	03/14/12	10/09/12	04/18/13	10/08/13	04/09/14	10/15/14	04/16/15	10/14/15 to 10/11/23*	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters													
Alkalinity (as CaCO3)	mg/L	R	623	507	573	465	457	428	NS	461	475	431	484
Chloride	mg/L	321	350	202	295	454	364	314	NS	618	647	463	829
Ethane	µg/L	ND (<15)	ND (<380)	ND (<380)	ND (<380)	ND (<380)	ND (<7.5)	ND (<7.5)	NS	ND (<170)	44 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<15)	ND (<350)	ND (<350)	ND (<350)	ND (<350)	ND (<7.0)	ND (<7.0)	NS	ND (<150)	39 J	2.6 J	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	0.5	0.18	0.22	0.29	ND (<0.1)	ND (<0.1)	NS	0.76	ND (<0.10)	0.83	ND (<0.10)
Manganese	mg/L	0.47	0.95	0.95	0.55	0.56	0.56	0.25	NS	0.74	0.66	0.41	1.0
Methane	µg/L	160	520	12	25	120	180	13	NS	640.00	780	420	890
Nitrate	mg/L	0.092	ND (<0.050)	0.79	0.32	0.32	0.059	0.28	NS	ND (<0.050)	0.020 J	0.038 J	ND (<0.050)
Nitrogen	mg/L	1.3	1.4	0.58	0.64	0.57	1.2	0.26	NS	1.5	1.2	0.71	1.5
Sulfate	mg/L	8.5 B	16.9	112	94.1	58	44.3	82.9	NS	14.9	17.9	38.2	22.9
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.8	ND (<1.0)	NS	1.2	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality
* = Monitoring well is inaccessible due to debris and was not sampled during this time period

Table 3

Groundwater Analytical Data
MW-12

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	10/14/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																									
Benzene	µg/L	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
m/p-Xylene	µg/L	5	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
o-Xylene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
PAHs																									
Acenaphthene	µg/L	20	1.1	ND (<0.48)	ND (<0.47)	ND (<0.51)	0.11	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<011)	ND (<0.097)	ND (<0.096)	ND (<0.11)	ND (<0.099)	0.11	ND (<0.098)	ND (<0.10)	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.2)	0.63	ND (<0.47)	ND (<0.51)	4.4	ND (<0.097)	0.30	0.39	0.62	ND (<0.11)	1.0	0.1	0.61	0.41	0.14	0.21	2.5	0.27	0.40	ND (<5.0)	ND (<25)	ND (<5.0)	0.53 J
Anthracene	µg/L	50	1.1	0.88	0.73	ND (<0.51)	1.4	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	0.099	ND (<0.11)	ND (<0.097)	ND (<0.096)	ND (<0.11)	1.4	1.5	0.31	0.22	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	**0.66**	**1.5**	ND (<0.47)	ND (<0.51)	**2.1**	**0.11**	**0.14**	ND (<0.099)	ND (<0.11)	ND (<0.11)	**0.24**	**0.34**	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.49**	**5.4**	**0.77**	**0.67**	ND (<5.0)	ND (<25)	ND (<5.0)	**0.46 J**
Benzo(a)pyrene	µg/L	0.002	**0.92**	**1.8**	ND (<0.47)	ND (<0.51)	**2.8**	**0.11**	**0.16**	ND (<0.099)	ND (<0.11)	ND (<0.11)	**0.3**	**0.41**	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.46**	**6.7**	**0.97**	**0.87**	ND (<5.0)	ND (<25)	ND (<5.0)	**0.70 J**
Benzo(b)fluoranthene	µg/L	0.002	**0.71**	**2.1**	ND (<0.47)	ND (<0.51)	**2.3**	**0.13**	**0.19**	ND (<0.099)	ND (<0.11)	ND (<0.11)	**0.24**	**0.34**	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.49**	**6.8**	**0.85**	**0.8**	ND (<5.0)	ND (<25)	ND (<5.0)	**0.39 J**
Benzo(g,h,i)perylene	µg/L	NC	0.51	0.74	ND (<0.47)	ND (<0.51)	1.6	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	0.15	0.21	ND (<0.097)	ND (<0.096)	ND (<0.11)	0.27	3.8	0.41	0.41	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.49)	**0.74**	ND (<0.47)	ND (<0.51)	**0.94**	**0.11**	**0.16**	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.11)	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.45**	**6.0**	**0.74**	**0.65**	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.49)	**1.6**	ND (<0.47)	ND (<0.51)	**1.9**	ND (<0.097)	**0.11**	ND (<0.099)	ND (<0.11)	ND (<0.11)	**0.19**	**0.22**	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.72**	**3.9**	**0.50**	**0.51**	ND (<5.0)	ND (<25)	ND (<5.0)	**0.55 J**
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.52)	ND (<0.48)	ND (<0.47)	ND (<0.51)	0.29	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.11)	ND (<0.097)	ND (<0.096)	ND (<0.11)	ND (<0.099)	0.92	ND (<0.098)	ND (<0.10)	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	0.87	2.00	ND (<0.47)	0.52	3.9	**0.11**	**0.17**	ND (<0.099)	ND (<0.11)	ND (<0.11)	0.33	0.43	ND (<0.097)	ND (<0.096)	ND (<0.11)	0.72	6.8	0.87	0.73	ND (<5.0)	2.4 J	ND (<5.0)	0.77 J
Fluorene	µg/L	50	ND (<0.49)	ND (<0.48)	ND (<0.47)	ND (<0.51)	0.51	ND (<0.097)	ND (<0.10)	ND (<0.099)	0.13	ND (<0.11)	ND (<0.097)	ND (<0.11)	0.12	ND (<0.096)	ND (<0.11)	ND (<0.099)	0.21	ND (<0.098)	ND (<0.10)	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.49)	**0.51**	ND (<0.47)	ND (<0.51)	**1.2**	ND (<0.097)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.11)	**0.11**	**0.17**	ND (<0.097)	ND (<0.096)	ND (<0.11)	**0.20**	**3.0**	**0.34**	**0.34**	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	ND (<0.52)	1.6	1.9	ND (<0.51)	0.96	ND (<0.097)	0.15	ND (<0.099)	ND (<0.11)	ND (<0.11)	1.8	ND (<0.11)	0.97	ND (<0.096)	ND (<0.11)	ND (<0.099)	0.15	ND (<0.098)	0.71	ND (<5.0)	ND (<25)	ND (<5.0)	ND (<5.0)
Phenanthrene	µg/L	50	0.61	2	ND (<0.47)	ND (<0.51)	3.5	ND (<0.097)	0.14	ND (<0.099)	ND (<0.11)	ND (<0.11)	0.23	0.34	0.14	ND (<0.096)	ND (<0.11)	0.62	4.7	0.64	0.57	ND (<5.0)	ND (<25)	ND (<5.0)	0.63 J
Pyrene	µg/L	50	1.3	2.8	ND (<0.47)	0.64	5.4	0.17	0.24	ND (<0.099)	ND (<0.11)	ND (<0.11)	0.49	0.61	ND (<0.097)	ND (<0.096)	ND (<0.11)	1.0	9.6	1.3	1.1	ND (<5.0)	2.5 J	ND (<5.0)	1.0 J
Cyanide and Lead																									
Lead	µg/L	25	ND (<5.0)	0.018	ND (<10)	ND (<10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.02)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<10)	ND (<10)	ND (<10)	3.9 J
Cyanide	mg/L	0.2	ND (<0.010)	0.013	ND (<0.01)	ND (<0.01)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	0.011	0.011	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	ND (<0.010)	0.0060 J	0.0060 J	0.0062 J	0.0088 J

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-12

CONSTITUENT	UNITS	04/09/14	10/15/14	10/14/15	04/06/16	10/26/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																								
Alkalinity (as CaCO3)	mg/L	329	414	401	415	436	466	366	456	430	416	400	380	360	430	512	356	NS	418	392	426	361	376	354
Chloride	mg/L	150	493	591	276	556	152	587	345	757	334	490	267	633	391	879	141	NS	805	1,250	467	1,180	673	1,420
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	0.47J	ND (<0.025)	ND (<0.030)	ND (<0.030)	ND (<0.16)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	1.9 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<0.035)	ND (<0.035)	ND (<0.10)	ND (<0.10)	ND (<0.032)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	1.9 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	0.11	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	NS	ND (<0.10)	ND (<0.10)	0.082 J	0.12	ND (<0.10)	ND (<0.10)
Manganese	mg/L	0.36	1.2	0.039	0.062	0.202	0.0201	0.0399	0.0113	0.0152	0.0153	0.0636	0.0386	0.0074	ND (<0.005)	ND (<0.015)	0.0157	0.272	0.0396	0.0385	0.013	0.12	0.028	0.18
Methane	µg/L	ND (<1.0)	ND (<4.0)	ND (<4.0)	ND (<4.0)	1.95	0.24J	0.27J	1.0J	0.35J	ND (<2.5)	ND (<2.5)	ND (<0.10)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<4.0)	2.1 J	ND (<4.0)	ND (<4.0)
Nitrate	mg/L	1.4	3.7	2.5	3.3	2.9	5.1	3.6	0.84	5.6	4.3	ND (<0.10)	5.9	2.5	3	4.4	2.7	3.2	5.3	5.2	0.49	4.6	3.5	1.7
Nitrogen	mg/L	0.44	0.61	ND (<0.2)	ND (<0.2)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	5.1	ND (<1.0)	3.9	ND (<0.10)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.20)	2.1	0.55	0.49
Sulfate	mg/L	51.6	73.5	70.2	93.7	56.0	115	53.7	70.3	66.8	53.9	55.1	77.2	48.3	65.9	64.1	39.9	NS	101	54	109	46.1	77.6	32.5
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.6	ND (<1.0)	ND (<1.0)	1.0	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-13

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	**200**	**300**	**17**	**360**	**300**	**348**	**15.5**	**363**	**11.6**	**32.8**	**16.9**	**328**	**126**	**268**	**11.7**	**187**	**7.1**	**113**	**5.9**	**171**	**5.2**	**130**	**5.5**	**91**
Ethylbenzene	µg/L	5	**200**	**340**	**17**	**190**	**270**	**366**	**7.4**	**210**	4.8	**23.3**	**12.4**	**230**	**85.6**	**193**	4.5	**164**	**5.1**	**104**	1.5	**148**	2.1	**130**	2.6	**74**
m/p-Xylene	µg/L	5	**250**	**480**	**24**	**270**	**360**	**467**	**12.1**	**257**	**8.6**	**34.8**	**16.6**	**229**	**89.5**	**179**	**8.7**	**152**	5.0	**96.2**	2.7	**122**	4.8	**98**	3.6	**57**
o-Xylene	µg/L	5	**120**	**210**	**16**	**120**	**150**	**203**	**8.4**	**117**	**9.3**	**18.6**	**9.7**	**112**	**48.6**	**90.7**	**5.5**	**74.2**	4.0	**53.6**	3.6	**60.4**	5.0	**51**	3.7	**33**
Toluene	µg/L	5	**270**	**430**	**17**	**320**	**410**	**552**	**7.6**	**332**	3.9	**25.1**	**11.1**	**288**	**95.7**	**279**	**5.8**	**158**	3.9	**84.2**	1.3	**133**	1.6	**120**	1.4	**57**
PAHs																										
Acenaphthene	µg/L	20	**71**	**130**	ND (<4.9)	**65 E**	**130**	**225**	0.34	**78.4**	0.16	4.3	6.8	**141**	4.6	**124**	0.35	**106**	5.6	**143**	ND (<0.096)	**245**	0.60 J	**180 J**	0.52 J	**120**
Acenaphthylene	µg/L	NC	22	450	ND (<4.9)	77 E	220	267	1.2	122	0.61	6.4	6.7	57.0	0.78	43.4	0.89	10.5	1.4	68.4	0.14	24.5	ND (<5.0)	ND (<250)	0.52 J	24 J
Anthracene	µg/L	50	6.9	14	ND (<4.9)	9.2 F1 F2	10	19.2	0.55	7.2	0.25	0.73	0.82	7.3	0.15	5.1	0.33	6.1	0.15	6.7	ND (<0.096)	6.5	0.35 J	ND (<250)	0.30 J	8.6 J
Benzo(a)anthracene	µg/L	0.002	ND (<47)	**1.9**	ND (<0.001)	**0.59 F2**	ND (<9.7)	**6.7**	**0.93**	**1.7**	**0.30**	**0.22**	**0.14**	**0.79**	**0.18**	**0.51**	**0.38**	**0.98**	ND (<0.098)	**0.98**	ND (<0.096)	**0.56**	ND (<5.0)	ND (<250)	**0.40 J**	**1.9 J**
Benzo(a)pyrene	µg/L	0.002	ND (<47)	**1.6**	ND (<0.001)	ND (<0.49)	ND (<9.7)	**6.5**	**1.0**	**1.3**	**0.40**	**0.20**	ND (<0.10)	**0.58**	**0.20**	**0.31**	**0.82**	**0.87**	ND (<0.098)	**1.1**	**0.11**	**0.31**	ND (<5.0)	ND (<250)	**0.62 J**	ND (<25)
Benzo(b)fluoranthene	µg/L	0.002	ND (<47)	**2.8**	ND (<0.001)	ND (<0.49)	ND (<9.7)	**6.2**	**1.2**	**1.6**	**0.47**	**0.22**	**0.12**	**0.49**	**0.17**	**0.27**	**0.83**	**0.97**	ND (<0.098)	**1.2**	**0.10**	**0.33**	ND (<5.0)	ND (<250)	**0.54 J**	ND (<25)
Benzo(g,h,i)perylene	µg/L	NC	ND (<47)	0.6	ND (<0.001)	ND (<0.49)	ND (<9.7)	3.3	0.55	ND (<0.98)	0.21	ND (<0.099)	ND (<0.10)	0.23	ND (<0.10)	0.13	0.45	0.42	ND (<0.098)	0.59	ND (<0.096)	0.11	ND (<5.0)	ND (<250)	0.40 J	ND (<25)
Benzo(k)fluoranthene	µg/L	0.002	ND (<47)	**0.53**	ND (<0.001)	ND (<0.49)	ND (<9.7)	**2.5**	**1.1**	**1.3**	**0.35**	**0.20**	**0.11**	**0.21**	ND (<0.10)	**0.11**	**0.79**	**0.84**	ND (<0.098)	**1.1**	ND (<0.096)	**0.27**	ND (<5.0)	ND (<250)	ND (<5.0)	ND (<25)
Chrysene	µg/L	0.002	ND (<47)	**1.8**	ND (<0.001)	**0.50 F1 F2**	ND (<9.7)	**6.1**	**0.81**	**1.3**	**0.22**	**0.20**	ND (<0.10)	**0.64**	**0.13**	**0.38**	**0.34**	**0.62**	ND (<0.098)	**0.75**	ND (<0.096)	**0.34**	ND (<5.0)	ND (<250)	**0.38 J**	ND (<25)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<47)	ND (<0.47)	ND (<0.001)	ND (<0.49)	ND (<9.7)	0.85	0.13	ND (<0.98)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.098)	0.11	ND (<0.11)	ND (<0.098)	0.16	ND (<0.096)	ND (<0.099)	ND (<5.0)	ND (<250)	ND (<5.0)	ND (<25)
Fluoranthene	µg/L	50	6.1	8.2	ND (<4.9)	5.5 F2	ND (<9.7)	17.8	1.9	5.4	0.51	0.77	0.66	4.6	1.3	4.0	0.58	4.4	0.27	5.4	ND (<0.096)	4.7	ND (<5.0)	ND (<250)	0.67 J	7.4 J
Fluorene	µg/L	50	30	**94J**	ND (<4.9)	43 F1 F2	**55**	**74.8**	0.46	37.9	0.19	2.6	3.7	45.7	0.16	33.2	0.27	42.5	0.89	44.5	ND (<0.096)	50.8	ND (<5.0)	50 J	ND (<5.0)	45
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<47)	**0.48**	ND (<0.001)	ND (<0.49)	ND (<9.7)	**2.7**	**0.42**	ND (<0.98)	**0.17**	ND (<0.099)	ND (<0.10)	**0.19**	ND (<0.10)	**0.11**	**0.34**	**0.34**	ND (<0.098)	**0.49**	ND (<0.096)	**0.10**	ND (<5.0)	ND (<250)	ND (<5.0)	ND (<25)
Naphthalene	µg/L	10	ND (<10)	**4200**	ND (<4.9)	**350 E**	**170**	**5560**	0.96	**1880**	0.45	0.31	0.14	**9,700**	0.19	**2,190**	0.76	1.6	0.16	**586**	ND (<0.096)	**521**	ND (<5.0)	**1700**	ND (<5.0)	**840**
Phenanthrene	µg/L	50	ND (<50)	**70**	ND (<4.9)	31 F1	ND (<9.7)	**78.3**	1.5	32.8	0.60	0.37	2.40	39.8	0.14	31	0.76	24.0	ND (<0.098)	17.2	ND (<0.096)	39.7	ND (<5.0)	36 J	0.87 J	38
Pyrene	µg/L	50	7.2	9.7	ND (<4.9)	5.8 F2	ND (<9.7)	ND (<52.1)	1.7	6.0	0.54	0.78	0.63	4.8	0.86	4.1	0.71	4.6	0.13	5.6	ND (<0.096)	4.7	ND (<5.0)	ND (<250)	0.81 J	7.7 J
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	ND (<5.0)	ND (<4.9)	ND (<10)	ND (<10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.10)	ND (<10)	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	0.17	**0.24**	0.11	**0.22 F1**	**0.29**	**0.23**	0.070	**0.20**	0.062	0.10	0.09	0.16	0.11	0.16	0.050	0.095	0.096	0.14	0.046	0.100	0.060	0.10	0.045	0.11

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
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NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-13

CONSTITUENT	UNITS	04/09/14	10/15/14	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																								
Alkalinity (as CaCO3)	mg/L	176	255	283 F1	311	364	234	308	226	280	230	380	268	320	232	350	304	350	297	336	264	412	276	370
Chloride	mg/L	9.2	17.3	11.2	9.8	11.4	3.4	7.6	92.7	31.6	8.4	19.5	9.3	6.9	11.8	8.4	ND (<3.0)	6.7	15.8	8.3	4.6	12.6	2.1	10.7
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	1.2	ND (<0.025)	0.88J	ND (<0.030)	0.22J	0.11 J	0.74 J	ND (<1.00)	ND (<5.0)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	40 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.5)	3.3	ND (<0.035)	2.3	ND (<0.10)	0.46J	0.19 J	2.1	ND (<1.00)	2.34 J	ND (<5.00)	1.26 J	ND (<1.00)	NS	ND (<1.00)	1.02	ND (<7.0)	43 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<1.0)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.15	ND (<0.10)	ND (<0.10)	0.13	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.11	0.081 J	0.19	ND (<0.10)	0.16
Manganese	mg/L	0.14	0.031	0.064	ND (<7.5)	0.0938	0.0417	0.0705	0.0570	0.0619	0.0298	0.0710	0.0446	0.0709	0.0601	0.0859	0.034	0.062	0.0202	0.0822	0.013	0.072	0.029	0.056
Methane	µg/L	74	ND (<4.0)	110	50	280	0.34J	190	12	73	41	250	84.7	218	ND (<5.00)	111	25.5	NS	10.9	169	32	300	70	320
Nitrate	mg/L	ND (<0.05)	ND (<0.05)	ND (<0.05)	0.05	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<1.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.025 J	ND (<0.050)	ND (<0.050)	ND (<0.050)
Nitrogen	mg/L	2.1	0.62	1.4	1.2	1.3	ND (<1.0)	2.1	ND (<1.0)	4.5	ND (<0.10)	ND (<0.10)	ND (<1.0)	ND (<1.0)	2.3	ND (<1.0)	ND (<100)	ND (<1.0)	ND (<1.0)	1.1	0.25	0.40	0.40	0.69
Sulfate	mg/L	15.5	ND (<5.0)	ND (<5.0)	ND (<5.0)	18.3	16.0	42.3	20.4	28.6	26.1	23.4	10.8	17.3	32.1	8.6	25.1	8.4	13.4	3.4	174.0	ND (<5.0)	15.3	2.4 J
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.6	1.0	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-14

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.54)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<1.0)	ND (<4.0)
Ethylbenzene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.54)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<1.0)	ND (<4.0)
m/p-Xylene	µg/L	5	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<0.54)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	ND (<2.0)	ND (<8.0)
o-Xylene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.54)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<1.0)	ND (<4.0)
Toluene	µg/L	5	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.54)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<1.0)	ND (<4.0)
PAHs																										
Acenaphthene	µg/L	20	0.5	2.00	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.19	ND (<0.096)	1.7	ND (<0.099)	ND (<0.099)	ND (<0.10)	0.18	0.8	0.2	ND (<0.10)	0.20	ND (<0.10)	0.23	ND (<0.099)	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Acenaphthylene	µg/L	NC	ND (<0.48)	2.9	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.99	0.25	4.1	0.19	0.34	0.26	0.71	8.4	1.2	0.38	1.6	0.21	0.49	0.37	0.29	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Anthracene	µg/L	50	ND (<0.48)	0.5	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.25	0.096	0.29	ND (<0.099)	0.15	0.11	0.11	3.5	0.6	0.16	0.62	ND (<0.10)	0.19	0.14	0.16	ND (<5.0)	0.30 J	ND (<5.4)	ND (<5.0)
Benzo(a)anthracene	µg/L	0.002	**1**	**1.9**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.28**	**0.13**	**0.26**	**0.11**	ND (<0.099)	ND (<0.10)	ND (<0.096)	**19.8**	**2.1**	**0.51**	**3.5**	ND (<0.10)	ND (<0.10)	**0.63**	**0.13**	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.002	**1.3**	**2.4**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.32**	**0.12**	**0.29**	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	**24.8**	**2.6**	**0.66**	**3.9**	ND (<0.10)	ND (<0.10)	**0.72**	**0.15**	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	**1.2**	**3.8**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.55**	**0.21**	**0.47**	**0.14**	ND (<0.099)	**0.7**	ND (<0.096)	**26.1**	**2.8**	**0.87**	**5.4**	ND (<0.10)	ND (<0.10)	**0.91**	**0.19**	ND (<5.0)	ND (<5.2)	ND (<5.4)	**0.48 J**
Benzo(g,h,i)perylene	µg/L	NC	0.95	1.3	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.29	0.11	0.24	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	17.5	1.9	0.54	2.7	ND (<0.10)	ND (<0.10)	0.44	0.11	ND (<5.0)	ND (<5.2)	ND (<5.4)	0.36 J
Benzo(k)fluoranthene	µg/L	0.002	**0.83**	**1.1**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.47**	**0.18**	**0.40**	**0.11**	ND (<0.099)	**0.14**	ND (<0.096)	**8.5**	**1.0**	**0.84**	**4.7**	ND (<0.10)	ND (<0.10)	**0.80**	**0.16**	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Chrysene	µg/L	0.002	**1.2**	**2.1**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.27**	**0.13**	**0.24**	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	**17.0**	**1.9**	**0.51**	**2.7**	ND (<0.10)	ND (<0.10)	**0.45**	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	**0.33 J**
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<0.52)	ND (<0.54)	ND (<0.10)	ND (<0.096)	ND (<0.099)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	4.5	0.4	0.13	0.59	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Fluoranthene	µg/L	50	1.5	3.2	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.45	0.17	0.55	0.13	ND (<0.099)	0.14	0.098	29.0	3.0	0.71	4.5	ND (<0.10)	ND (<0.10)	0.77	0.18	ND (<5.0)	0.46 J	ND (<5.4)	0.58 J
Fluorene	µg/L	50	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.14	ND (<0.096)	0.21	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	1.3	0.2	ND (<0.10)	0.26	ND (<0.10)	0.14	ND (<0.099)	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Indeno(1,2,3-cd)pyrene	µg/L	0.002	**0.63**	**0.95**	ND (<0.47)	ND (<0.52)	ND (<0.54)	**0.21**	ND (<0.096)	**0.18**	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	**14.4**	**1.5**	**0.40**	**2.2**	ND (<0.10)	ND (<0.10)	**0.36**	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Naphthalene	µg/L	10	ND (<0.48)	1.1	ND (<0.47)	ND (<0.52)	ND (<0.54)	5.2	ND (<0.096)	4.2	ND (<0.099)	ND (<0.099)	ND (<0.10)	0.72	0.86	1.10	ND (<0.10)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.099)	1.4	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Phenanthrene	µg/L	50	0.63	1.4	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.22	ND (<0.096)	0.17	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.096)	9.8	1.0	0.25	1.5	ND (<0.10)	ND (<0.10)	0.22	ND (<0.099)	ND (<5.0)	ND (<5.2)	ND (<5.4)	ND (<5.0)
Pyrene	µg/L	50	2.4	5.0	ND (<0.47)	ND (<0.52)	ND (<0.54)	0.68	0.28	0.74	0.20	ND (<0.099)	0.22	0.12	47.0	5.0	1.2	7.3	ND (<0.10)	ND (<0.10)	1.2	0.27	0.52 J	0.44 J	ND (<5.4)	0.78 J
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	0.031	ND (<0.01)	ND (<0.01)	ND (<10)	**33.3**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	**256**	**50.2**	7.5	90.9	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	**150**	9.9 J	4.7 J	9.2 J
Cyanide	mg/L	0.2	**0.9**	0.2	0.091	0.120	**0.88**	**0.67**	0.079	**0.25**	0.062	0.11	0.0838	0.11	0.12	**0.42**	0.057	0.072	0.14	0.13	0.076	0.10	0.070	**0.41**	0.077	**0.34**

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-14

CONSTITUENT	UNITS	04/09/14	10/15/14	10/13/14	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																								
Alkalinity (as CaCO3)	mg/L	483	372	445	507	520	380	404	392	450	384	380	342	400	364	392	392	NS	310	384	328	415	328	446
Chloride	mg/L	28.5	3.9	10.7	27.4	18.0	3.5	6.6	ND (<3.0)	3.2	3.5	ND (<3.0)	ND (<3.0)	6.7	6.9	4.5	ND (<3.0)	NS	3.4	5.2	2.8	25.4	4.6	15.3
Ethane	µg/L	ND (<7.5)	ND (<7.5)	ND (<7.5)	ND (<7.5)	0.17J	ND (<0.025)	0.13J	ND (<0.030)	ND (<0.16)	ND (<1.0)	ND (<1.0)	1.57	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.5)	2.4 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<7.0)	ND (<7.0)	ND (<7.0)	ND (<7.5)	ND (<0.035)	ND (<0.035)	ND (<0.10)	ND (<0.10)	ND (<0.032)	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	1.8 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	0.11	0.55	0.22	0.93	0.47	0.30	0.39	0.12	1.90	2.1	0.44	1.4	0.38	NS	0.177	1.4	0.97	2.8	0.16	ND (<0.10)
Manganese	mg/L	1	0.019	0.011	ND (<7.5)	0.768	0.0262	0.416	0.201	0.0121	0.0208	0.051	3.79	0.940	0.268	4.29	0.203	0.0845	1.0	0.116	0.57	0.96	0.29	1.1
Methane	µg/L	140	ND (<4.0)	ND (<4.0)	31	140	19	120	1.7J	1.4J	ND (<2.5)	19	1,020	ND (<5.00)	6.54	4.01 J	6.99	NS	7.40	13.3	5.6	400	4.0	640
Nitrate	mg/L	ND (<0.05)	0.87	0.16	ND (<0.05)	ND (<0.10)	0.29	ND (<0.10)	ND (<0.10)	0.59	0.4	ND (<1.0)	ND (<1.0)	ND (<0.50)	0.6	0.28	0.21	ND (<0.10)	0.36	0.21	0.033 J	ND (<0.050)	0.36	0.027 J
Nitrogen	mg/L	1.5	0.22	0.72	1	1.2	ND (<1.0)	ND (<1.0)	1.0	ND (<1.0)	ND (<1.0)	ND (<1.0)	4.2	3.6	1.0	1.8	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.5	0.64	1.4	0.56	1.80
Sulfate	mg/L	363	ND (<5.0)	ND (<5.0)	324	153	12.5	52.4	15.2	20.3	ND (<10)	17.7	11.2	102.0	15.1	14.5	25.9	NS	10.6	17.1	ND (<5.0)	155	18.9	159.0
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.4	1.0	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-15

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	**210**	**300**	**16**	**350 E**	**330**	**714**	**111**	**373**	**48.7**	**108**	**41.2**	**364**	**55.8**	**271**	**92.7**	**18.7**	**149**	**324**	**91.7**	**139**	**10**	**240**	**45**	**310**
Ethylbenzene	µg/L	5	**38**	**74**	1.9	**92**	**110**	**244**	**24.5**	**124**	**10.2**	**45.2**	**15.7**	**135**	**19.4**	**99.9**	**31.0**	**7.9**	**86.7**	**133**	**40.7**	**63.1**	**10**	**98**	**26**	**87**
m/p-Xylene	µg/L	5	ND (<5.0)	**ND (<10)**	3.2	**8.1**	ND (<8.0)	**13.7**	2.7	**9.4**	ND (<2.0)	2.8	ND (<2.0)	**17.5**	ND (<2.0)	**12.3**	ND (<2.0)	3.4	**21.6**	**10**	4.3	**11.6**	2.3	4.7 J	1.2 J	**7.6**
o-Xylene	µg/L	5	**8.5**	**28**	**7.5**	**23**	**21**	**31.7**	**7.3**	**22.8**	3.7	**18.8**	**8.1**	**26.2**	4.6	**23**	4.2	**15.4**	**28.1**	**24.4**	**12.4**	**15.2**	**11**	**15**	**12**	**6.4 J**
Toluene	µg/L	5	ND (<5.0)	**5.8**	ND (<1.0)	**7**	ND (<8.0)	**6.1**	1.1	**7.4**	ND (<1.0)	2.9	1.3	**8.5**	1.4	**6.9**	ND (<1.0)	1.1	**11.1**	**5.4**	2.3	4.0	ND (<1.0)	3.6 J	1.1	ND (<5.0)
PAHs																										
Acenaphthene	µg/L	20	18	**24**	6.7	16	**23**	**43.1**	10.1	16.3	12.4	**32.7**	12.6	**28.4**	4.7	17.2	**28.3**	**40.3**	16.6	**39.1**	**27.1**	**22**	**36 J**	**34**	**32**	**25**
Acenaphthylene	µg/L	NC	3	3.9	0.59	3.1	ND (<5.1)	2.4	1.5	2.5	1.4	3.9	1.6	1.9	0.66	1.2	2.5	3.7	1.2	1.6	2.2	1.8	ND (<5.0)	2.1 J	2.1 J	0.99 J
Anthracene	µg/L	50	0.95	0.81	ND (<0.49)	0.57	ND (<5.1)	1.9	0.36	0.56	0.31	0.55	0.46	0.74	0.25	0.52	0.35	0.82	0.42	0.96	0.46	0.67	ND (<5.0)	0.84 J	0.38 J	0.38 J
Benzo(a)anthracene	µg/L	0.002	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	**0.14**	**0.13**	**0.55**	**0.14**	ND (<0.099)	**0.14**	**0.14**	**0.16**	**0.20**	**0.16**	**0.37**	**0.13**	**0.14**	**0.11**	**0.19**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.000	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	ND (<0.10)	**0.10**	**0.58**	**0.11**	ND (<0.099)	**0.12**	ND (<0.097)	**0.18**	**0.20**	**0.13**	**0.37**	ND (<0.11)	ND (<0.099)	ND (<0.10)	**0.19**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.58)	**0.72**	ND (<0.49)	ND (<0.47)	ND (<5.1)	**0.11**	**0.16**	**0.81**	**0.15**	ND (<0.099)	**0.17**	**0.11**	**0.16**	**0.21**	**0.16**	**0.48**	**0.11**	**0.12**	**0.10**	**0.22**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	ND (<0.10)	ND (<0.098)	0.4	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.097)	0.11	0.12	ND (<0.096)	0.21	ND (<0.11)	ND (<0.099)	ND (<0.10)	0.10	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	ND (<0.10)	**0.13**	**0.69**	**0.11**	ND (<0.099)	**0.15**	**0.10**	ND (<0.10)	ND (<0.097)	**0.15**	**0.41**	ND (<0.11)	**0.11**	ND (<0.10)	**0.18**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	**0.11**	**0.12**	**0.48**	ND (<0.099)	ND (<0.099)	**0.12**	**0.11**	**0.12**	**0.17**	**0.13**	**0.26**	ND (<0.11)	**0.10**	ND (<0.10)	**0.13**	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.097)	ND (<0.096)	ND (<0.10)	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	1.1	0.93	ND (<0.49)	0.61	ND (<5.1)	1.2	0.46	1.2	0.34	0.53	0.6	0.89	0.41	0.68	0.52	0.76	0.44	0.79	0.46	0.70	ND (<5.0)	ND (<5.0)	0.41 J	ND (<5.0)
Fluorene	µg/L	50	4.3	5.2	1.2	4.1	5.9	11.8	1.9	4.1	2.4	5.3	3.4	6.6	1.4	4.0	4.4	3.3	2.9	7.9	5.4	5.2	4.4 J	8.5 J	4.9 J	5.1 J
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.58)	ND (<0.48)	ND (<0.49)	ND (<0.47)	ND (<5.1)	ND (<0.10)	ND (<0.098)	**0.31**	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.097)	ND (<0.10)	ND (<0.097)	ND (<0.096)	**0.17**	ND (<0.11)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	**29**	**210**	1.5	**48 E**	**110**	**363**	**34.1**	**69.3**	**16.8**	**138**	**43**	**512**	1.1	**272**	**15.0**	**152**	**242**	**232**	**126**	**138**	**230**	**140**	**63**	**97**
Phenanthrene	µg/L	50	3.4	3.7	ND (<0.49)	2.8	ND (<5.1)	8.5	1.2	2.5	0.99	1.9	1.8	3.7	0.52	2.1	1.2	2.7	1.6	3.7	1.2	2.0	ND (<5.0)	2.0	1.0 J	0.48 J
Pyrene	µg/L	50	1.5	1.1	ND (<0.49)	0.69	ND (<5.1)	1.4	0.58	1.6	0.45	0.59	0.73	1.0	0.54	0.83	0.71	1.0	0.57	0.92	0.57	0.84	ND (<5.0)	0.56 J	0.47 J	0.44 J
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	0.010	0.010	0.010	ND (<10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	24	3.3 J	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	**0.48**	**0.58**	**0.29**	**1**	**1.1**	**1.1**	**0.42**	**1.3**	**0.56**	**0.27**	**0.171**	**0.61**	**0.32**	**0.67**	**0.23**	0.18	**0.23**	**1.1**	**0.29**	**0.25**	0.12	**0.83**	0.19	**0.71**

AWQS = Ambient Water Quality Standards
B = Present in Associated Blank Sample
BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-15

CONSTITUENT	UNITS	04/09/14	10/15/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																									
Alkalinity (as CaCO3)	mg/L	482	557	480	600	601	676	562	610	616	600	478	590	446	550	534	480	478	600	492	532	405	576	468	632
Chloride	mg/L	44.5	44.2	14.2	49.3	55.7	65.4	25.7	58.0	15.2	15.2	43.9	38	20.3	37.4	24.6	14.0	14.9	82.6	29.1	29.2	2.9	48.1	14.3	67.5
Ethane	µg/L	ND (<380)	ND (<380)	ND (<380)	ND (<380)	ND (<75)	6.2	3.2	5.1	2.8	2.1	3.4	5.1	ND (<1.00)	3.53 J	ND (<5.00)	ND (<2.0)	2.02	NS	1.96 J	ND (<10.0)	ND (<7.5)	6.7 J	ND (<170)	3.6 J
Ethene	µg/L	ND (<350)	ND (<350)	ND (<350)	ND (<350)	ND (<75)	0.038J	0.037J	ND (<0.10)	ND (<0.10)	0.042J	ND (<1.0)	ND (<1.0)	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	2.1 J	ND (<150)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	0.15 HF	ND (<0.1)	8.2	3.0	5.8	3.8	9.2	2.5	3.2	4.2	6.0	8.7	14.8	3.0	7.9	10.7	9.5	0.67	0.52	0.35	0.090 J
Manganese	mg/L	0.68	1	0.68	0.7	ND (<75)	0.609	0.0639	0.735	0.484	1.56	0.775	0.952	0.312	0.685	0.894	1.27	1.03	0.508	0.724	0.818	0.96	0.60	0.78	0.37
Methane	µg/L	1,100	2,400	16	1,600	720	3,400	1,900	2,900	640	3,100	1,400	3,600	416	2,400	348	1,020	2,650	NS	1,190	3,250	1,100	4,700	4,100	2,200
Nitrate	mg/L	ND (<0.05)	ND (<0.05)	0.28	ND (<0.05)	ND (<0.5)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.50)	ND (<0.10)	ND (<0.20)	ND (<2.0)	ND (<0.50)	0.11	ND (<0.10)	0.020 J	ND (<0.050)	0.020 J	0.020 J
Nitrogen	mg/L	3.2	2.9	0.81	3.9	3.4	4.7	2.0	4.4	3.1	1.9	1.4	3.1	1.9	2.0	2.2	1.8	1.9	4.5	1.7	2.6	1.0	2.9	1.3	3.8
Sulfate	mg/L	122	91.1	28.7	78.5	116	67.9	17.7	60.6	39.0	28.4	25.1	65.9	31.9	71.0	46.8	1.8	24.4	122	39.0	57.2	32.1	61.5	30.6	107
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.6	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Table 3

Groundwater Analytical Data
MW-16

CONSTITUENT	UNITS	NYSDEC AWQS Values	04/09/14	10/20/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
BTEX Compounds																										
Benzene	µg/L	1	**8.7**	**59**	**91**	**40**	**76**	**149**	**5.9**	**143**	**80.6**	**127**	**126**	**143**	**56.6**	**130**	**15.0**	**97.6**	**9.1**	**59.3**	**12.4**	**89.6**	**6.6**	**82**	**8.6**	**79**
Ethylbenzene	µg/L	5	**6.2**	**41**	**68**	**26**	**35**	**134**	**3.1**	**124**	**60.8**	**101**	**91.5**	**118**	**38.7**	**70.4**	2.9	**65.5**	3.8	**40.8**	**5.5**	**60.6**	1.9	**57**	1.9	**36**
m/p-Xylene	µg/L	5	ND (<1.0)	ND (<10)	ND (<1.0)	4.9	5	4.9	ND (<2.0)	**9.3**	**6.6**	**8.7**	**9.5**	**9.3**	3.9	2.8	ND (<2.0)	4.1	ND (<2.0)	3.0	ND (<2.0)	**5.4**	ND (<2.0)	3.9 J	ND (<2.0)	3.1 J
o-Xylene	µg/L	5	ND (<1.0)	**17**	**24**	**11**	**20**	**32.1**	**1.6**	**38.0**	**21.3**	**32.8**	**31.4**	**34.6**	**12.8**	**22.3**	**6.1**	**21.5**	3.1	**12.6**	**2.2**	**20.0**	1.0	**20**	2.0	**14**
Toluene	µg/L	5	ND (<1.0)	**17**	ND (<1.0)	1.4	ND (<2.0)	**2.9**	ND (<1.0)	3.8	2.1	3.8	3.7	4.5	1.5	3.0	ND (<1.0)	2.9	1.6	2.1	ND (<1.0)	3.4	ND (<1.0)	3.3	ND (<1.0)	2.3
PAHs																										
Acenaphthene	µg/L	20	ND (<1.0)	**40**	**27**	14	**31**	**54.7**	3.0	**39.5**	**39.1**	**57.8**	**45.2**	**53.3**	14.6	**47.0**	9.9	**55.1**	10.6	**48.1**	12.7	**53.5**	18.0	**60**	7.3	**57**
Acenaphthylene	µg/L	NC	ND (<0.48)	31	25	16	27	47.3	1.9	26.2	24.4	30.6	17.6	21.4	5.9	16.0	3.2	19.4	4.9	19.1	4.7	19.5	5.2	13	1.6 J	15
Anthracene	µg/L	50	ND (<0.48)	2.8	1.8	1.2	ND (<2.5)	1.4	0.37	2.2	1.7	2.6	1.8	2.4	0.74	1.7	0.47	2.3	0.48	1.7	0.60	2.3	0.63 J	2.1 J	0.32 J	2.1 J
Benzo(a)anthracene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	**0.10**	**0.11**	**0.11**	**0.13**	**0.12**	**0.11**	**0.13**	ND (<0.10)	**0.23**	ND (<0.098)	**0.19**	ND (<0.098)	**0.13**	ND (<0.10)	**0.16**	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Benzo(a)pyrene	µg/L	0.000	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	**0.11**	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.21**	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Benzo(b)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	**0.17**	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	0.11	ND (<0.10)	**0.21**	ND (<0.098)	**0.12**	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Benzo(g,h,i)perylene	µg/L	NC	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.097)	ND (<0.10)	0.14	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Benzo(k)fluoranthene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	**0.15**	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	**0.098**	ND (<0.10)	ND (<0.098)	ND (<0.098)	**0.11**	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Chrysene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	**0.098**	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	**0.11**	ND (<0.10)	**0.19**	ND (<0.098)	**0.14**	ND (<0.098)	ND (<0.10)	ND (<0.10)	**0.11**	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Dibenzo(a,h)anthracene	µg/L	NC	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Fluoranthene	µg/L	50	ND (<0.48)	2.7	1.6	1.1	ND (<2.5)	1.8	0.41	2.5	1.9	2.4	1.9	3.0	1.1	2.6	0.47	3.40	0.72	2.2	0.92	3.3	1.2 J	2.8 J	0.41 J	2.5 J
Fluorene	µg/L	50	ND (<0.48)	22	14	7.1	15	22.2	1.1	17.2	17.2	19.5	12.8	24.1	5.3	16.9	1.8	20.5	3.4	16.2	5.1	20.6	6.3	21	2.1 J	26
Indeno(1,2,3-cd)pyrene	µg/L	0.002	ND (<0.48)	ND (<0.48)	ND (<0.50)	ND (<0.50)	ND (<2.5)	ND (<0.10)	ND (<0.097)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.11)	ND (<0.097)	ND (<0.10)	**0.11**	ND (<0.098)	ND (<0.10)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.2)	ND (<5.0)	ND (<5.0)
Naphthalene	µg/L	10	ND (<0.48)	1.7	4.6	5.1	7.4	4.6	0.16	5.8	**30.9**	9.8	**12.9**	**36.8**	2.2	8.0	1.4	**14.1**	8.3	**16.3**	9.0	**28.3**	9.9	**25**	3.0 J	**23**
Phenanthrene	µg/L	50	ND (<0.48)	18	11	6.7	10	15.9	0.99	15.7	14.1	16.5	11.6	18.4	2.5	13.1	ND (<0.098)	15.4	3.5	13.0	4.1	18.2	5.3	20	1.1 J	22
Pyrene	µg/L	50	ND (<0.48)	3	1.8	1.2	ND (<2.5)	2.0	0.50	2.7	2.1	2.5	2.1	3.3	1.2	2.9	0.54	3.8	0.80	2.30	1.0	3.7	1.5 J	2.8 J	0.47 J	3.1 J
Cyanide and Lead																										
Lead	µg/L	25	ND (<5.0)	ND (<0.01)	ND (<0.01)	ND (<0.01)	ND (<10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	6.1	ND (<5.0)	ND (<20)	ND (<10.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	17	ND (<10)	ND (<10)	ND (<10)
Cyanide	mg/L	0.2	0.023	**0.25**	**0.24**	**0.24**	**0.25**	**0.26**	**0.21**	**0.26**	**0.23**	**0.26**	0.192	**0.23**	0.19	**0.25**	0.17	0.14	0.14	0.19	0.12	0.20	0.17	**0.22**	0.15	0.20

AWQS = Ambient Water Quality Standards
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BTEX = Benzene, Ethylbenzene, Toluene and Xylene
D = Diluted Sample
E = Result exceeded calibration range
F1 = MS and/or MSD Recovery outside acceptance limits.
F2 = MS/MSD RPD above control limits.
J = Estimated Concentration Value
mg/L = Milligrams per Liter
NC = No Criteria
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NS = Not Sampled
NYSDEC = New York State Department of Environmental Conservation
PAHs = Polycyclic Aromatic Hydrocarbons
R = Rejected
µg/L = Micrograms per Liter
Bolded = values indicated exceedance of the NYSDEC AWQS

Table 3

Groundwater Analytical Data
MW-16

CONSTITUENT	UNITS	04/09/14	10/15/14	04/16/15	10/13/15	04/06/16	10/25/16	04/26/17	10/11/17	04/26/18	10/16/18	04/18/19	10/16/19	05/20/20	10/07/20	04/14/21	10/06/21	04/13/22	10/06/22	04/19/23	10/11/23	04/16/24	10/17/24	04/16/25	10/08/25
MNA/WQ Parameters																									
Alkalinity (as CaCO3)	mg/L	454	595	532	638	615	636	706	630	724	740	560	650	156	670	680	760	546	674	450	674	616	701	591	726
Chloride	mg/L	5	6.5	5.8	4.9	5.7	6.8	3.4	6.5	5.6	4.8	11.8	4.8	3.6	5.2	3.6	3.8	ND (<3.0)	5.7	ND (<3.0)	5.7	3.6	5.4	3.4	5.2
Ethane	µg/L	ND (<750)	ND (<750)	ND (<75)	ND (<75)	ND (<75)	1.2	0.15J	0.84J	0.82J	0.99J	0.92 J	1.1	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<5.00)	ND (<7.5)	44 J	ND (<7.5)	ND (<7.5)
Ethene	µg/L	ND (<700)	ND (<700)	ND (<70)	ND (<70)	ND (<75)	0.24J	0.036J	0.16J	0.13J	0.17J	0.15 J	0.20 J	ND (<1.00)	ND (<5.00)	ND (<5.00)	ND (<2.0)	ND (<1.00)	NS	ND (<1.00)	ND (<1.00)	ND (<7.0)	42 J	ND (<7.0)	ND (<7.0)
Ferrous Iron	mg/L	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	ND (<0.1)	2.4	1.2	3.0	3.5	3.1	2.6	1.9	2.8	3.0	0.79	4.7	3.6	7.4	0.30	9.0	0.9	1.5	0.15	0.19
Manganese	mg/L	0.22	0.63	0.42	0.33	ND (<75)	0.601	0.522	0.599	0.551	0.592	0.603	0.658	0.373	0.650	0.373	0.646	0.275	0.553	0.125	0.634	0.19	0.57	0.10	0.63
Methane	µg/L	75	410	160	1100	110	900	180	780	820	830	850	1100	4.95 J	488	ND (<5.00)	500	173	NS	22.1	641	330	1,200	230	1,100
Nitrate	mg/L	0.53	ND (<0.05)	ND (<0.05)	0.37	0.074	ND (<0.10)	0.33	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<1.0)	ND (<1.0)	ND (<0.10)	ND (<1.0)	ND (<1.0)	ND (<0.50)	0.79	ND (<0.10)	0.32	0.023 J	0.75	0.081
Nitrogen	mg/L	2.4	3.3	2.1	1.9	2.6	5.4	2.4	3.2	2.3	3.2	3.4	3.9	2	2.8	2.4	3.9	2.2	3.7	1.0	3.9	1.1	2.2	0.91	3.4
Sulfate	mg/L	ND (<1.0)	107	38.2	22.8	13.3	145	37.8	77.7	111	75.8	79.6	67.7	39	95.7	37.5	56.8	25.9	36.2	28.5	30.2	8.6	30.0	39.9	29.4
Sulfide	mg/L	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	1.0	ND (<1.0)	1.0	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)

B = Present in Associated Blank Sample
D = Diluted Sample
J = Estimated Concentration
mg/L = Milligrams per Liter
MNA = Monitored Natural Attenuation
NA = Not Analyzed
ND (<#) = Not detected above laboratory reporting limit (indicated by #)
NS = Not Sampled
R = Rejected
µg/L = Micrograms per Liter
WQ = Water Quality

Appendix A – Field Data

National Grid
109 North Market Street, Former MGP Site
Johnstown, New York

Semi-Annual GWS Event

Well ID	Sample?	Well Size?	DTW	DTP	DTB	Comments
RW-1	No	2"	17.80		21.50	
MW-4	Yes	2"	24.30		27.32	
MW-7	Yes	2"	~~15.73~~	14.73	22.10	
MW-10	Yes	2"	14.34		22.05	
MW-11	Yes	2"	13.00		22.90	
MW-12	Yes	2"	15.73		22.24	
MW-13	Yes	2"	16.38		22.75	MS/MSD
MW-14	Yes	2"	16.45		23.55	Field Duplicate
MW-15	Yes	2"	17.82		23.00	
MW-16	Yes	2"	11.46		19.45	
Gauge-1 (bridge)	No		15.08		19.76	

DTW *-depth to water*
DTP *-depth to product*
DTB *-depth to bottom*
All from top of casing

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel:
Job Number: 0625050-120950-221
Well Id. MW-4

Date: 10/22/24
Weather: Sunny 60
Time In: 11:20 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	24.32	
Depth to Bottom:	(feet)	27.32	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	3.02	
Volume of Water in Well:	(gal)	0.49	
Three Well Volumes:	(gal)	1.44	

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

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒	
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	other ☐
Sampling Method:	Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒	

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	32
Total Volume Removed:	(gal)	2

Did well go dry? Yes ☐ No ☒

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:15	24.34	14.65	7.45	96	0.001	110	12.19	1.16
11:20	24.50	14.67	7.10	112	1.80	96.1	4.29	1.14
11:25	24.67	14.01	7.06	115	1.60	46.8	3.49	1.02
11:30	24.74	13.93	7.05	117	1.58	13.0	3.74	1.01
11:35	24.80	13.95	7.05	120	1.57	5.5	3.70	1.00
11:40	24.85	14.10	7.04	123	1.55	2.9	3.51	0.992
11:45	24.85	14.00	7.04	125	1.55	2.6	3.52	0.993

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Shipped: Syracuse Service Center ☐
Fed-Ex ☐ Courier ☐

Sample ID: MW-4
Sample Time: 11:45

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

Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: Peter Lynch
Job Number: 0625050-120950-221
Well Id. MW-7

Date: 10/8/25
Weather: light rain 58°
Time In: 0843 Time Out: 0920

Well Information

		TOC	Other
Depth to Water:	(feet)	14.83	
Depth to Bottom:	(feet)	22.10	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	7.27	
Volume of Water in Well:	(gal)	1.16	
Three Well Volumes:	(gal)	3.49	

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

Purging Information

Purging Method:		Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒	
Tubing/Bailer Material:		Teflon ☐	Stainless St. ☐	Polyethylene ☒	other ☐
Sampling Method:		Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes ☐ No ☐

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0845	15.61	14.43	7.75	-53	1.20	156	3.37	0.768
0850	15.99	14.32	7.92	-76	1.18	155	0.86	0.758
0855	16.29	14.16	8.19	-86	1.18	127	0.57	0.753
0900	16.68	14.13	8.35	-91	1.14	68.0	0.48	0.753
0905	16.85	14.17	8.44	-99	1.18	47.6	0.47	0.755
0910	16.99	14.25	8.50	-98	1.19	47.2	0.51	0.759
0915	17.15	14.27	8.53	-102	1.19	36.8	0.51	0.758

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Sample ID: MW-7
Sample Time: 0915

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

Shipped: Syracuse Service Center ☐
Fed-Ex ☐ Courier ☐
Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-120950-221
Well Id. **MW-10**

Date: 10/8/25
Weather: 58° Cloudy
Time In: 0932 Time Out: 1005

Well Information

		TOC	Other
Depth to Water:	(feet)	14.34	
Depth to Bottom:	(feet)	22.05	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	7.71	
Volume of Water in Well:	(gal)	1.23	
Three Well Volumes:	(gal)	3.70	

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

Purging Information

Purging Method:	Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒		
Tubing/Bailer Material:	Teflon ☐	Stainless St. ☐	Polyethylene ☒	other ☐	
Sampling Method:	Bailer ☐	Peristaltic ☐	Well Wizard Dedicated Pump ☒		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes ☐ No ☒

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0935	14.86	16.09	6.83	-31	2.46	52.4	4.01	1.58
0940	15.43	15.52	2.40	-93	2.54	88.3	0.48	1.62
0945	15.80	15.60	2.50	-98	2.55	63.8	0.33	1.63
0950	16.20	15.82	2.61	-104	2.56	33.7	0.11	1.65
0955	16.23	15.94	2.67	-108	2.58	29.8	0.05	1.65
1000	16.37	16.11	2.72	-115	2.59	16.1	0.00	1.66
1005	16.59	16.42	2.73	-120	2.60	14.5	0.00	1.66

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Sample ID: **MW-10**
Sample Time: 1005

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

Shipped: Syracuse Service Center ☐
Fed-Ex ☐ Courier ☐
Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-120950-221
Well Id. **MW-11**

Date: 10/4/25
Weather: 58° Cloudy
Time In: 1042 Time Out: 1120

Well Information

		TOC	Other
Depth to Water:	(feet)	13.00	
Depth to Bottom:	(feet)	22.90	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	9.90	
Volume of Water in Well:	(gal)	1.58	
Three Well Volumes:	(gal)	4.75	

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 [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	0			

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1045	13.22	17.65	6.74	-8	2.78	21.5	3.31	1.83
1050	13.27	16.50	7.33	-75	3.46	18.7	0.93	2.21
1055	13.32	16.03	7.52	-86	3.58	10.8	0.33	2.29
1100	13.38	15.97	7.58	-91	3.68	7.2	0.07	2.35
1105	13.44	15.98	7.60	-93	3.66	10.9	0.00	2.34
1110	13.46	16.12	7.60	-96	3.69	10.5	0.00	2.36
1115	13.46	16.33	7.59	-98	3.69	9.3	0.00	2.32

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Sample ID: **MW-11**
Sample Time: 1115

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

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]
Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: IL
Job Number: 0625050-120950-221
Well Id. MW-12

Date: 10/8/25
Weather: Sunny 60
Time In: 10:05 Time Out: 11:15

Well Information

		TOC	Other
Depth to Water:	(feet)	15.73	
Depth to Bottom:	(feet)	22.24	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	6.51	
Volume of Water in Well:	(gal)	1.04	
Three Well Volumes:	(gal)	3.12	

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 [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	32			
Total Volume Removed:	(gal)	2			

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:15	15.90	13.66	7.12	27	3.10	159	6.63	2.06
10:20	15.90	12.72	6.91	50	4.63	75.8	1.47	2.97
10:25	15.90	12.50	6.90	55	4.72	42.5	1.60	3.02
10:30	15.90	12.83	6.90	64	4.77	19.8	0.94	3.05
10:35	15.90	12.84	6.90	68	4.76	14.7	1.20	3.05
10:40	15.90	12.87	6.90	75	4.71	9.6	1.10	3.02
10:45	15.90	12.85	6.90	80	4.69	8.2	0.54	3.00

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]
Laboratory: Eurofins Amherst, New York

Sample ID: MW-12
Sample Time: 10:45

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

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: VK
Job Number: 0625050-120950-221
Well Id. **MW-13**

Date: 10/8/22
Weather: Cloud 60
Time In: 08:30 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	16.38	
Depth to Bottom:	(feet)	22.75	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	6.37	
Volume of Water in Well:	(gal)	1.01	
Three Well Volumes:	(gal)	3.05	

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

Purging Information

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

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:00	16.60	14.69	7.92	46	0.497	14.3	5.59	0.324
09:05	16.75	13.45	7.86	58	0.505	24.1	2.54	0.323
09:10	17.05	13.43	7.96	-123	0.480	6.2	0.39	0.312
09:15	17.20	13.36	7.94	-141	0.487	4.0	0.04	0.317
09:20	17.35	13.25	7.95	-151	0.505	4.3	0.00	0.329
09:25	17.40	13.16	7.92	-160	0.527	4.4	0.00	0.338
09:30	17.55	13.08	7.91	-169	0.543	5.0	0.00	0.348

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

MW-13-MS and MW-13-MSD

Sample ID: **MW-13**
Sample Time: 09:30

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

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]
Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: AS
Job Number: 0625050-120950-221
Well Id. **MW-14**

Date: 10/8/25
Weather: 56°F, cloudy
Time In: 0935 Time Out: 1045

Well Information

		TOC	Other
Depth to Water:	(feet)	16.45	
Depth to Bottom:	(feet)	23.55	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.10	
Volume of Water in Well:	(gal)	1.13	
Three Well Volumes:	(gal)	3.4	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	150 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.5 (gal)				

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0940	16.62	14.13	6.89	-110	0.968	162	2.34	0.637
0945	16.67	14.49	6.97	-67	0.771	612	4.05	0.490
0950	16.75	14.47	6.87	-81	1.03	890	1.32	0.657
0955	16.83	14.34	6.85	-100	1.13	944	0.10	0.774
1000	16.90	14.15	6.86	-112	1.16	1000	0.00	0.739
1005	16.96	14.06	6.95	-116	1.16	1000	0.00	0.739
1010								

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Field Duplicate
Sample ID: **MW-14**
Sample Time: 1015

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

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]
Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: AS
Job Number: 0625050-120950-221
Well Id. **MW-15**

Date: 10/8/25
Weather: 55°F, cloudy
Time In: 0835 Time Out: 0930

Well Information

		TOC	Other
Depth to Water:	(feet)	17.82	
Depth to Bottom:	(feet)	23.00	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.18	
Volume of Water in Well:	(gal)	0.82	
Three Well Volumes:	(gal)	2.4	

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

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	150 (ml/min)			
Duration of Pumping:	30 (min)			
Total Volume Removed:	2.5 (gal)			

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0840	Below Pump	13.86	6.71	-127	1.19	3.7	0.36	0.762
0845	↓	13.86	6.73	-131	1.20	3.4	0.24	0.766
0850		13.86	6.72	-136	1.22	2.8	0.00	0.781
0855		13.85	6.74	-139	1.24	2.8	0.00	0.792
0900		13.83	6.75	-140	1.25	2.8	0.00	0.802
0905		13.80	6.76	-141	1.27	2.8	0.00	0.811
0910	↓	13.78	6.80	-142	1.30	3.1	0.00	0.830

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Sample ID: **MW-15** Duplicate? Yes [ ] No [X]
Sample Time: 0915 MS/MSD? Yes [ ] No [X]

Laboratory: Eurofins Amherst, New York

National Grid
109 North Market Street, Johnstown New York

Sampling Personnel: RJ
Job Number: 0625050-120950-221
Well Id. **MW-16**

Date: 10/8/25
Weather: 59°F, mostly cloudy
Time In: 1050 Time Out: 1145

Well Information

		TOC	Other
Depth to Water:	(feet)	11.46	
Depth to Bottom:	(feet)	19.45	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.99	
Volume of Water in Well:	(gal)	1.27	
Three Well Volumes:	(gal)	3.8	

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

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	150 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.5 (gal)				

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

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

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

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1055	11.88	14.01	7.03	-63	1.10	113	3.93	0.704
1100	12.12	13.77	7.02	-117	1.15	36.3	0.87	0.734
1105	12.29	13.74	7.05	-133	1.15	15.6	0.00	0.736
1110	12.58	13.74	7.05	-135	1.16	10.9	0.00	0.740
1115	12.81	13.75	7.03	-139	1.18	7.9	0.00	0.755
1120	12.99	13.74	7.02	-141	1.20	6.1	0.00	0.767
1125	13.21	13.73	7.02	-145	1.22	4.8	0.00	0.778

Sampling Information:

Quantity	Size	Material	Preservative	Compounds analyzed	Method
2	250 mL	Glass	Unpreserved	SVOC PAH's	EPA SW-846 Method 8270
1	125 mL	Plastic	Unpreserved	Ferrous Iron	SM 3500 FE D
2	125 mL	Plastic	Unpreserved	Chloride, Nitrate_Calc- Nitrogen, Nitrate	SM 4500 Cl E
				Nitrite-Nitrite as N	EPA Method 353.2
				Sulfate	D516
1	125 mL	Plastic	H2SO4	Nitrate Nitrite as N	EPA Method 353.2
				Total Kjeldahl Nitrogen	EPA Method 351.2
1	250 mL	Plastic	HNO3	Lead & Manganese	EPA Method 6010
3	40 mL	Glass	HCl	VOC's & BTEX	EPA SW-846 Method 8260
1	125 mL	Plastic	NaOH	Total Cyanide	EPA Method 9012B
1	250 mL	Plastic	NaOH & Zinc Acetate	Sulfide	SM 4500 S2 F
1	125 mL	Plastic	Unpreserved	Alkalinity	2320B
3	40 mL	Glass	Unpreserved	Carbon Dioxide	RSK_175_CO2
3	40 mL	Glass	HCl	Methane/Ethane/Ethene	RSK_175

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Sample ID: **MW-16**
Sample Time: 1130

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

Laboratory: Eurofins Amherst, New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192895-40377.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120950-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Johnstown Semi-Annual GW Event Desc: Johnstown Semi-Annua	Project #: 48027231			
Site: Johnstown Semi-Annual GWS	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175_CO2 - Carbon dioxide	9012B_NP - Cyanide, Total	8270D - PAH Semivolatiles	6010C - Metals (ICP) - Pb & Mn	RSK_175 - Methane, Ethane, Ethene	8260C - BTEX - 8260	SM4500_S2_F - Sulfide	351.2, 353.2_Pres	353.2_Nitrite, D516, Nitrate_Calc, SM4500_Cl_E	2320B - Alkalinity	3500_FE_D - Ferrous Iron			Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	B	N	D	A	A	CB	S	N	N	N				
MW-4	10/9/25	11:45	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-7		09:15	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-10		10:05	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-11		11:15	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-12		10:45	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-13		09:30	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-13-MS		09:30	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-13-MSD		09:30	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-14		10:15	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-15		09:15	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
MW-16		11:30	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
Field Duplicate		—	G	Water			3	1	2	1	3	3	1	1	2	1	1			19	
Trip Blank		—		Water								2									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:			Cooler Temperature(s) °C and Other Remarks:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Ver: 01/16/2019

Appendix B – Data Usability Summary Report

Groundwater & Environmental Services, Inc.
708 North Main Street, Suite 201
Blacksburg, VA 24060
T. 800.662.5067

November 12, 2025

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

RE: Data Usability Summary Report for National Grid: Johnstown, NY Site Data Package
Eurofins Buffalo Analytical Job No. 480-233427-1

Groundwater & Environmental Services, Inc. (GES) reviewed one data package (Laboratory Project Number 480-233427-1) from Eurofins Buffalo., for the analysis of groundwater samples collected on October 8, 2025 from monitoring wells located at the National Grid: Johnstown, NY Site. Nine aqueous samples and a field duplicate were analyzed for dissolved gases, PAHs, Nitrogen, Metals, Alkalinity, Chloride, Ferrous Iron, Cyanide, Sulfide and Sulfate. Methodologies utilized were ASTM and USEPA methods with additional QC requirements of the NYSDEC ASP.

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

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

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

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

In summary, sample results were usable as reported, with exceptions due to poor accuracy in the MS/MSD recoveries.

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

Table 1. Laboratory – Field Cross Reference

Lab ID	Sample ID	Date Collected	Date Received
480-233427-1	MW-4	10/08/25 11:45	10/09/25 10:30
480-233427-2	MW-7	10/08/25 09:15	10/09/25 10:30
480-233427-3	MW-10	10/08/25 10:05	10/09/25 10:30
480-233427-4	MW-11	10/08/25 11:15	10/09/25 10:30
480-233427-5	MW-12	10/08/25 10:45	10/09/25 10:30
480-233427-6	MW-13	10/08/25 09:30	10/09/25 10:30
480-233427-7	MW-14	10/08/25 10:15	10/09/25 10:30
480-233427-8	MW-15	10/08/25 09:15	10/09/25 10:30
480-233427-9	MW-16	10/08/25 11:30	10/09/25 10:30
480-233427-10	Field Duplicate	10/08/25 00:00	10/09/25 10:30
480-233427-11	Trip Blank	10/08/25 00:00	10/09/25 10:30

Table 2. Validation Qualifiers

Sample ID	*Qualifier*	*Analyte*	*Reason for qualification*
MW-13	UJ	Benzo(b)fluoranthene Dibenz(a,h) anthracene Indeno[1,2,3-cd]pyrene	MS/MSD RPD out of specification
	J-	Fluoranthene Cyanide MW-13 Carbon dioxide	MS/MSD recovery low
	R	Alkalinity	MS recovery 10%
MW-7 MW-10 MW-11	Cyanide	J+	Blank detection
MW-12	Cyanide	U at RL	Blank detection
MW-			
All Samples	J	Ferrous Iron	Analyzed outside hold time
All Samples	J-/UJ	Nitrate and Nitrate/Nitrite as N	Analyzed outside hold time

J-: estimated, low bias
R: rejected/ unusable data
J: estimated, bias unknown
U at RL: Non-detect at the reporting limit.

In summary, sample results were usable as reported, except for analytes noted with below criteria QC recoveries. Data qualified with an R qualifier are considered unusable for project objectives.

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

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times were met and instrumental tune fragmentations were within acceptance ranges. Some samples were reported with elevated reporting limits due to high target analytes or matrix issues causing foaming.

Surrogates were within required limits. Laboratory and field-generated blanks reported no detections above reporting limit. Calibration standards show acceptable responses within analytical protocol and validation action limits.

The MS/MSD and BS/BSD recoveries were within criteria.

Precision calculations for LCS/LCSD and MS/MSDs showed that the recoveries were consistent, as RPDs were within the <30% EPA recommended value. Surrogate recovery was within bounds, and LCS recoveries were compliant, and used to determine method efficacy.

The field duplicate correlations were not calculated as neither sample had above reporting limit detections.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations were within acceptance ranges. Surrogate recoveries were within analytical and validation guidelines.

Blanks show no contamination.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

LC/LCSD recoveries and RPD were within criteria.

The MS/MSD associated with MW-13 reported multiple out of specification recoveries. For high recoveries without corresponding detections, no qualifications were required.

Multiple analytes reported low recovery in the MS/MSD although the original sample was below reporting limit, and the concentration was estimated. The following analytes are considered accurate based upon using half the RL as the concentration rather than the estimated value below RL.

- Acenaphthylene

Analytes that recovered high in the MS/MSD and had no associated concentrations in the sample are not qualified as high bias does not affect non-detect analytes.

The following analytes recovered low and are qualified as low biased (J- for detections, UJ for non-detections):

- Fluorene

The following analytes are qualified as estimated as the RPD in the MS/MSD exceeded the EPA maximum of 30%:

- Benzo(b)fluoranthene
- Dibenz(a,h) anthracene
- Fluoranthene
- Indeno[1,2,3-cd]pyrene

Field precision calculations are noted in **Table 3** at the end of the report.

Lead and Manganese by EPA 6010/NYDESC ASP

The matrix spike, post digestion spike, and serial dilutions were performed on samples not associated with the project. Blank samples show no contamination above the reporting limit.

LCS/LCSD and the MW-13 MS recovered within specification. There were no qualifiers required.

Field precision calculations are noted in **Table 3** at the end of the report.

Wet Chemistry Tests and Total Cyanide by 9012B/ NYSDEC ASP

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

- Cyanide was reported in the method blank below RL but above MDL. All above RL results less than 10 times the RL are qualified as estimated with at possible high bias. All below RL concentrations are qualified as non-detect at the RL.
- Cyanide recovery in MW-13 was low in the MS/MSD. The concentration reported is qualified as possibly biased low.

Calibration standard responses were compliant.

Field precision calculations are noted in **Table 3** at the end of the report.

Ferrous Iron by SM3500-FeD-00/ NYSDEC ASP

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, and accuracy and precision. Samples were prepared outside of hold time, and all sample data is qualified as estimated with an indeterminate bias. All other compliance data were found acceptable for the validated samples.

Calibration standard responses were compliant. Blanks show no detections above the reporting limits.

Field precision calculations were not calculated, as the concentrations were below reporting limit.

Total Kjeldahl Nitrogen, Nitrogen as Nitrate/Nitrite by EPA 351.2 & 353.2/NYDESC ASP

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy, and precision, etc., as applicable to each procedure.

Samples were prepared outside of hold time, and all sample data is qualified as estimated with an indeterminate bias. All were found acceptable for the validated samples with the following exception:

- MW-13 MS for total Kjeldahl Nitrogen recovered low.
- MW-14 MS for Nitrate nitrite as N recovered low.

Field precision calculations are noted in **Table 3** at the end of the report.

Dissolved Gases by EPA 5021/RSK-175

Holding times were met. Instrumental tune fragmentations were within acceptance ranges. Surrogate recoveries were within analytical and validation guidelines.

Method blanks reported no detections.

LCS recoveries were within criteria. MS/MSD recoveries of methane, ethane and ethene recovered within criteria.

Carbon dioxide recovered low in the MS/MSD. Carbon dioxide in MW-13 is qualified as estimated with a possible high bias.

All other criteria were found acceptable for the validated samples. Calibration standard responses were compliant. Blanks show no detections above the reporting limits.

Field duplicate correlations for methane were outside project objectives, and the data were qualified as estimated.

Field precision calculations are noted in **Table 3** at the end of the report.

Field Precision

Samples were collected in duplicate at location MW-13. All analytes with concentrations greater than 2x the RL were evaluated using calculated RPDs. Data is considered precise if the RPD is <30%.

Data Precision

Field Identification	Analyte	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD (%)	Qualified
MW-14/FIELD DUP	Carbon dioxide	40000	41000	2.5	A
	Manganese	1.1	1.0	9.5	A
	Total Kjeldahl Nitrogen	1.8	1.9	5.4	A
	Cyanide, Total	0.34	0.36	5.7	A
	Sulfate	159	159	0.0	A
	Methane - DL	640	430	39.3	J
	Alkalinity	446	454	1.8	A
	Chloride	15.3	14.6	4.7	A

A: Acceptable
NC: Not calculated

Data Package Completeness

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

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

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VALIDATION DATA QUALIFIER DEFINITIONS

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

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

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

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

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

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

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

Sample Summaries and Laboratory Case Narratives

Sample Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-233427-1
Project/Site: Johnstown Semi-Annual GWS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233427-1	MW-4	Water	10/08/25 11:45	10/09/25 10:30	New York
480-233427-2	MW-7	Water	10/08/25 09:15	10/09/25 10:30	New York
480-233427-3	MW-10	Water	10/08/25 10:05	10/09/25 10:30	New York
480-233427-4	MW-11	Water	10/08/25 11:15	10/09/25 10:30	New York
480-233427-5	MW-12	Water	10/08/25 10:45	10/09/25 10:30	New York
480-233427-6	MW-13	Water	10/08/25 09:30	10/09/25 10:30	New York
480-233427-7	MW-14	Water	10/08/25 10:15	10/09/25 10:30	New York
480-233427-8	MW-15	Water	10/08/25 09:15	10/09/25 10:30	New York
480-233427-9	MW-16	Water	10/08/25 11:30	10/09/25 10:30	New York
480-233427-10	Field Duplicate	Water	10/08/25 00:00	10/09/25 10:30	New York
480-233427-11	Trip Blank	Water	10/08/25 00:00	10/09/25 10:30	New York

Job ID: 480-233427-1 Eurofins Buffalo

Job Narrative
480-233427-1

Receipt
The samples were received on 10/9/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.8º C, 3.3º C and 3.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-11 (480-233427-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-13 (480-233427-6), MW-13 (480-233427-6[MS]), MW-13 (480-233427-6[MSD]) and MW-16 (480-233427-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-14 (480-233427-7) and Field Duplicate (480-233427-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-15 (480-233427-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Methods 8270D, 8270D_LL_PAH: The continuing calibration verification (CCV) associated with batch 480-759413 recovered outside acceptance criteria, low biased, for Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following associated sample is impacted: MW-13 (480-233427-6)

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-13 (480-233427-6), MW-13 (480-233427-6[MS]) and MW-13 (480-233427-6[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 (480-233427-4), MW-13 (480-233427-6), MW-13 (480-233427-6[MS]), MW-13 (480-233427-6[MSD]) and MW-15 (480-233427-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples were diluted due to the abundance of target analytes: MW-13 (480-233427-6[MS]) and MW-13 (480-233427-6[MSD]). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample required a dilution due to the abundance of target analytes: MW-13 (480-233427-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10 (480-233427-3), MW-11 (480-233427-4), MW-13 (480-233427-6), MW-13 (480-233427-6[MS]) and MW-13 (480-233427-6[MSD]). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-14 (480-233427-7), MW-15 (480-233427-8), MW-16 (480-233427-9) and Field Duplicate (480-233427-10). Elevated reporting limits (RLs) are provided.

Method RSK-175: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. Samples were reanalyzed and recoveries were outside control limits for one or more analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 480-233427-1 (Continued) Eurofins Buffalo

Metals
Method 6010C: The linear range check (LRC) standard recovery associated with 480-759553 is outside the acceptance criteria for the following analytes: total Lead. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method SM 4500 S2 F: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): MW-4 (480-233427-1), MW-7 (480-233427-2), MW-10 (480-233427-3), MW-16 (480-233427-9), Field Duplicate (480-233427-10), (620-30035-W-1), (620-30035-W-2) and (620-30035-W-7).

Method SM 4500 S2 F: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): MW-11 (480-233427-4), MW-12 (480-233427-5), MW-13 (480-233427-6), MW-13 (480-233427-6[MS]), MW-13 (480-233427-6[MSD]), MW-14 (480-233427-7), MW-15 (480-233427-8) and (480-233446-A-4).

Method SM 2320B: The continuing calibration blank (CCB) for analytical batch 480-759675 contained Alkalinity, Total, Alkalinity, Bicarbonate, Alkalinity, Carbonate and Hydroxide Alkalinity above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-4 (480-233427-1), MW-7 (480-233427-2), MW-10 (480-233427-3), MW-11 (480-233427-4), MW-12 (480-233427-5), MW-13 (480-233427-6), MW-13 (480-233427-6[MS]), MW-13 (480-233427-6[MSD]), MW-14 (480-233427-7), MW-15 (480-233427-8), MW-16 (480-233427-9) and Field Duplicate (480-233427-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.