

December 9, 2022

Mr. Michael Squire

Assistant Engineer New York State Department of Environmental Conservation Division of Environmental Remediation, 11th Floor 625 Broadway Albany, New York 12233

Re: Site Management Periodic Review Report

And IC/EC Certification Submittal (2022)

RG&E Park Street Former MGP Site (NO. V00731)

4 and 6 Park Street

Village of Geneseo, Livingston County, New York

Dear Mr. Squire:

On behalf of our client, Rochester Gas and Electric Corporation (RG&E), NEU-VELLE, LLC. (NEU-VELLE) is pleased to submit the enclosed Periodic Review Report (PRR) and completed certification form which documents the implementation and compliance with the Site Management Plan (SMP) for the Park Street Former Manufactured Gas Plant (MGP) Site (NYSDEC Site No. V00731), located at 4 and 6 Park Street in the Village of Geneseo, Livingston County, New York.

This package has been prepared in response to the letter from the Department to RG&E dated September 20, 2022. This submission completes the requirements for the PRR and the certification for the Park Street site by the Department.

Please feel free to contact me at any time at (585) 478-3167 with any questions you may have regarding this letter report, or contact Mr. Jeremy Wolf, RG&E's Project Manager for the project at (585) 500-8392.

Sincerely,

Logan Reid

Senior Project Manager

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NEU-VELLE, LLC

cc: Jeremy Wolf - RG&E

Chuck Reyes – SUNY Geneseo



Site Management Periodic Review Report and IC/EC Certification (2022)

Geneseo Park Street Former MGP Site (NO. V00731) Village of Geneseo, New York

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation (BURC)
625 Broadway
Albany, New York

Submitted by:

NEU-VELLE, LLC Eastman Business Park 1667 Lake Avenue Building 59, Suite 101 Rochester, New York 14652

On behalf of:

Rochester Gas & Electric 89 East Avenue Rochester, New York

December 8, 2022

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A. Laboratory Reports for Groundwater Sampling Events (Presented as separate file)

1. Executive Summary

NEU-VELLE, LLC (NEU-VELLE) conducted the Site Management Periodic Review Report (PRR) and IC/EC Certification submittal for the Geneseo - Park Street Former Manufactured Gas Plant (MGP) Site located in the Village of Geneseo, New York (hereinafter referred to as the "Site") (Figure 1). The Site was formerly in the New York State (NYS) Voluntary Cleanup Program (VCP), Site No. V00731, which is administered by New York State Department of Environmental Conservation (NYSDEC). Rochester Gas and Electric Corporation (RG&E) entered into an Amended and Restated Voluntary Cleanup Agreement (VCA) on December 23, 2014 (DEC Index No. B8-0535-98-07) with the NYSDEC to include this Site. The agreement obligated RG&E to implement a remedial program for hazardous substances that are components of wastes associated with MGP-related operations at the Site. The VCP was terminated by the NYSDEC as part of a statewide mandate in 2018. The Site is currently governed by the requirements of the NYSDEC approved Site Management Plan (SMP) dated June 2018.

After completion of a source material removal interim remedial measure (IRM) performed by the State University of New York (SUNY) and under NYSDEC guidance in 2003, some MGP-related residuals were left at the Site, which is hereafter referred to as "remaining MGP contamination". Imposition of an Institutional Control (IC) in the form of Deed Restriction has been incorporated into the Site remedy to control exposure to remaining MGP contamination to ensure protection of public health and the environment.

The Site was remediated to address the presence of aromatic volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylene (BTEX) and polyaromatic hydrocarbons (PAHs) in the aqueous phase and a dense non-aqueous phase liquid (DNAPL). A Site Characterization was conducted by RG&E in 2015 to 2016 and subsequent report concluded that a Remedial Investigation was not needed because the nature and extent of MGP-related impacts in soil and groundwater had been sufficiently defined for the purposes of conducting a remedial alternatives analysis, and that petroleum (*i.e.*, not MGP-related) may be the primary source of VOCs detected in soil and groundwater within the study area. The *Alternatives Analysis Letter Report* (AA Letter Report) was submitted to the NYSDEC on July 7, 2017 and the *Decision Document* containing the selected Site remedy was subsequently issued by the NYSDEC in August 2017. The elements of the selected remedy include:

- implementation of the remedial design program;
- maintaining the existing site covers;
- installation of an additional monitoring well;
- imposition of an institutional control in the form of a Deed Restriction, and;
- preparation of a post-remediation SMP.

Following the implementation of the selected remedy, the SMP was implemented (See Section 2).

NEU-VELLE found that each component of the SMP was complied with during this reporting period:

- ICs/ECs have been in place and effective, and
- Inspections were performed as required.

Based upon the inspections and compliance with the SMP, the Site remedy continues to meet the remedial objectives set forth. RG&E will continue to conduct inspections on an annual frequency and perform groundwater monitoring and NAPL removal from the specified monitoring well (MW-5) on a semi-annual and quarterly basis, respectively.

2. Site Overview

2.1 Site Description

As shown on Figure 1, the Site is at the 4 and 6 Park Street properties in the Village of Geneseo, Livingston County, New York. The Site plan showing pre-remediation features is shown on Figure 2. The Site is an approximately ¾ -acre area and is surrounded by commercial buildings and School Street to the north, Park Street to the south, commercial buildings along the west side of Main Street to the east, and a SUNY academic complex (the Brodie Fine Arts building) to the west (Figure 2, Site Map).

The Site consists of a parking lot (L-Lot), access road, and sidewalk for SUNY campus that straddles the boundary between the village commercial district and the SUNY campus. The former gas holder for the MGP is farther west under the Brodie Fine Arts building. Most of the area occupied by the former MGP is either paved or located under paved surfaces. A small landscaped area is located at the southern end of the Site.

2.2 Site Remedial Program Summary

Remediation of MGP-related source materials was completed as an IRM by a contractor of SUNY under the oversight of NYSDEC during SUNY's Park Street entrance improvement program when the Site was developed as a parking lot. In September 2002 during final preparation for paving of the parking lot, a stone/brick containment structure was discovered approximately 4 feet below ground surface (bgs) that contained a black tarry material. The structure appears to have been located between the north side of the former MGP works building and the south side of the former coal house; however, the structure did not appear on any historical mapping. From September 2002 to January 2003 the NYSDEC oversaw the excavation and off-Site disposal by SUNY's contractor of the structure, liquid material inside and outside the structure, and the surrounding soil containing visible impacts.

During the IRM excavation, sidewall samples were collected for laboratory analysis. When laboratory results indicated an exceedance of the cleanup objective of 500 milligrams per kilogram (mg/kg) total PAHs and/or 10 mg/kg total BTEX, or when visible coal tar was encountered, excavation continued. Excavation sidewall and bottom sampling results were presented in the *Report of Activities at LL-Lot* (SUNY 2003). The report indicated that only one sidewall sample (located on the north excavation sidewall) did not meet the 500 mg/kg objective for PAHs (549.7 mg/kg PAHs were reported at that location).

The final excavation depth was approximately 20 feet bgs, terminating at the top of the fractured bedrock. An area near the center of the excavation was excavated an additional 5 feet into the fractured bedrock to approximately 25 feet bgs. Approximately 800 tons of tar-impacted soil and 3,200 gallons of impacted water that accumulated in the excavation were sent off site for disposal. The approximate location of the coal tar structure and the areal limits of the excavation are also shown on Figure 2. Structural fill was placed into the excavation and compacted.

2.2.1 Site Characterization and Alternative Analysis

RG&E conducted site characterization field activities between May 2015 and February 2016. The objectives of the site characterization were to:

• Gather information to evaluate whether MGP-related residuals remained in the subsurface.

- Determine whether MGP-related residual materials, if present, had a potential to pose a threat to public health or the environment.
- Determine whether a remedial investigation at the Site was appropriate.

The results from the Site Characterization were presented in the Site Characterization Report (Arcadis 2016) (SC Report). The SC Report concluded that a remedial investigation was unnecessary because the nature and extent of MGP-related impacts (PAHs and VOCs) in soil and groundwater had been sufficiently defined for the purposes of conducting a remedial alternatives analysis, and that petroleum (*i.e.*, not MGP-related) may be the primary source of VOCs detected in both soil and groundwater within the study area. Similarly, while VOCs were detected in soil vapor samples collected from across the Site, no MGP indicator compounds were present in any of the soil vapor samples. Gasoline indicators were, however, present in all but one of the samples. Based on the types of VOCs detected, no evidence of MGP impacts existed in the soil vapor.

A seam of MGP-related non-aqueous phase liquid (NAPL) was detected within the weathered bedrock during the installation of MW-5, located immediately west of the former excavation.

RG&E prepared and submitted a July 7, 2017 *Alternatives Analysis Letter Report* (AA Letter Report) to the NYSDEC that compared several remedial alternatives for the site. The NYSDEC subsequently issued a *Decision Document* dated August 2017 that provided the elements of the NYSDEC-selected site remedy. The elements of the selected remedy include:

- implementation of the remedial design program;
- maintaining the existing site covers;
- installation of an additional monitoring well;
- imposition of an institutional control in the form of a Deed Restriction, and;
- preparation of a post-remediation SMP.

A plan providing the parameters, procedures, and applicable information and detail for installation of the additional monitoring well was provided to the NYSDEC on September 12, 2017. The additional monitoring well (MW-8) was installed hydraulically downgradient from MW-5 from October 8 to 10, 2017. No visual evidence of NAPL or sheens, or odors were detected during the installation of MW-8.

2.2.2 Remaining MGP Contamination

During the excavation IRM conducted in 2002 to 2003, endpoint sidewall samples were collected for laboratory analysis and the results compared to the (then current) NYSDEC *Technical and Administrative Guidance Memorandum (TAGM) 4046; Determination of Soil Cleanup Objectives and Cleanup Levels* (TAGM 4046). Excavation endpoint sample results indicated that three of the four overburden sidewall samples met the TAGM 4046 levels for total BTEX (less than 10 mg/kg) and total PAHs (less than 500 mg/kg) (the north wall sample result indicated 549 mg/kg total PAHs). Additionally, each of the fractured bedrock (*i.e.*, excavation bottom) samples met TAGM 4046 levels. There may be some residual MGP contaminants also present in the weathered bedrock which ranges another 0.3 ft. to 6 ft. bgs and the upper 10 feet of bedrock which was observed to be highly fractured; particularly downgradient of the former brick structure containing the coal tar-like materials excavated during the IRM.

During the site characterization conducted from 2015 to 2016, 22 soil samples were collected from 11 soil borings for laboratory analysis. Two additional soil samples were collected for laboratory

analyses during installation of MW-8 in October 2017. The results for each of the analyses were compared to the 6 NYSRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Commercial Use SCOs. BTEX were the only VOCs that exceeded Unrestricted Use SCOs. Methylcyclohexane, xylenes (total), and cyclohexane were the most prevalent VOCs detected in subsurface soil. Methylcyclohexane, cyclohexane, and xylenes are commonly present in weathered gasoline. Methyl tertiary butyl ether (MtBE), an octane enhancing gasoline additive used since 1979 to help prevent engine knocking, was detected in soil samples collected from two locations (MW-3 and MW-6). SVOCs were detected in 12 of the 22 soil samples with total SVOC concentrations ranging from below detection limits (12 samples) to 741,900 μ g/kg in the soil sample collected from MW-1 (MW-1 is believed to be located within the backfill of the reported former excavation area).

BTEX and three PAHs have been identified in the Decision Document as the contaminants of potential concern (COPCs) for soil; specifically:

- Benzene
- Toluene
- Ethylbenzene
- Xylenes (total)

- Benzo(a)anthracene
- Benzo(a)pyrene
- Indeno(1,2,3-cd)pyrene

The Decision Document also identified BTEX and the same three PAHs identified as soil COPCs (benzo(a)anthracene, benzo(a)pyrene, and indeno[1,2,3-cd]pyrene) as COPCs for groundwater. Based on the groundwater sampling completed during the site characterization, depth to groundwater across most of the site is 10 ft. to 15 ft. bgs. None of the PAH analytes associated with MGP operations were detected at concentrations above their respective groundwater guidance values; BTEX analytes, where existing, were only detected at concentrations slightly above groundwater standards. Similar to VOC data for soil, data suggests that petroleum is the primary source of VOCs detected in groundwater within the study area.

Soil vapor samples were collected using SUMMA canisters in September 2015 from seven locations (SV-1 through SV-7) around the vicinity of the former MGP structures. Specifically, soil vapor samples were collected along the exterior of the eastern facade of the Brodie Fine Arts building, along the west side of the Brodie Fine Arts building within the courtyard, and north of the excavation area. Soil vapor samples were submitted for analysis by USEPA Compendium Method TO-15. In general, BTEX compounds were detected in much lower concentrations than were non-MGP-related chlorinated VOCs. Acetone and chloroform were the VOCs detected in the highest frequencies and in the highest relative concentrations. None of the "MGP-indicator" analytes included with the TO-15 analyses (indene, isooctane, or thiopenes) were detected in any of the soil gas samples. Gasoline indicators were present in 6 of the 7 soil vapor samples collected from across the site. Based on the types of analytes detected, no evidence of MGP impacts exist in the soil vapor.

2.2.3 Site Management Plan

The SMP, approved by NYSDEC letter dated July 3, 2018, provides the following:

- Institutional Controls:
 - o Imposition of a Declaration of Covenants and Restrictions (Deed Restriction) that will:
 - Restrict use of the property to Restricted Residential, Commercial and Industrial Uses, and voluntarily restricts the use of the property to nonresidential use

- Restrict the use of groundwater as a source of potable or process water without appropriate treatment as determined by the New York State Department of Health (NYSDOH) or Livingston County DOH
- Require inspection of Engineering Controls at the frequency and as described in the SMP
- Require periodic certification of institutional and engineering controls
- Require compliance with the SMP
- Engineering Controls:
 - Maintain the existing site covers
- Site Inspections:
 - o Annually, and after severe weather conditions
- Monitoring and Sampling:
 - o MW-5: Monitored quarterly and NAPL removal, as required, for initial period until less frequent monitoring is approved by the NYSDEC
 - o MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8: monitored and sampled semiannually for initial 5-year period
- Maintenance:
 - As required based on Site inspections
- Reporting:
 - o Periodic Review Report submitted annually to NYSDEC

3. Remedy Performance Evaluation

The remedial performance is evaluated based on the periodic visual inspection of the Site stone, gravel, vegetative, concrete and/or asphalt covers and condition of monitoring wells.

The annual inspection of the Site surface covers was performed by NEU-VELLE, on October 28, 2022, to monitor its effectiveness at maintaining physical separation of the remaining subsurface contamination at the Site. The evaluation included a visual inspection of the vegetative, concrete, and/or asphalt cover for evidence of disturbance, erosion or removal of cover materials, settlement, or other pathways that could potentially result in exposure to subsurface MGP residuals. Visual observations and photographs were collected during the October 28, 2022, inspection. The existing cover materials and monitoring wells at the Site were observed to be in good condition. There were no noticeable signs of significant deterioration of the surface cover.

The SMP Site Inspection Form and photographs are included as Appendix A – 2022 Site Inspection Form and Photographic Log.

The SMP also requires a Monitoring and Sampling Plan for evaluating the effectives of the remedy at reducing dissolved MGP-related COPCs at, and downgradient, from the Site. Groundwater sampling for chemical and physical analysis is performed semi-annually to determine if the remedial action objectives are being achieved. Two (2) groundwater sampling events (the 8th and 9th Post-Remediation Sampling Events, October/November 2021 and May 2022, resp.) were performed during the reporting period (November 1, 2021 to November 1, 2022) and reports for these groundwater sampling events have been submitted to the NYSDEC under separate cover. Laboratory reports with results of analyses from these sampling events are provided as Exhibit A. A summary of the monitoring data follows, and a summary table of the analytical results compared to standards is provided as Table 1.

8th Post-Remediation Sampling Event - October/November 2021

BTEX compounds were reported at concentrations above the corresponding TOGS 1.1.1 Class GA SCGs in two (2) of the seven (7) wells that were sampled (MW-6, and MW-8) during this sampling event.

Although the full suite of PAHs was analyzed for this sampling event, none of the PAH COPCs were detected above laboratory reporting limits. Four (4) other PAHs (acenaphthene, acenaphthylene, fluorene, and naphthalene) were reported in the samples collected from MW-6 and MW-8, at concentrations consistent with levels previously detected. Only naphthalene was reported at a concentration above the reporting limit in the groundwater sample collected from MW-8. Naphthalene was reported in this sample at a concentration of 0.22 micrograms per liter (μ g/L) or parts per billion (ppb), which is well below the TOGS 1.1.1 Class GA SCG (10 μ g/L) for this compound. Acenaphthene was reported at a concentration of 1.7 μ g/L, which is below the TOGS 1.1.1 Class GA SCG (20 μ g/L) for this compound. Acenaphthylene was reported at a concentration of 18 μ g/L, although there is no corresponding TOGS 1.1.1 Class GA SCG for acenaphthylene. Fluorene was reported at a concentration of 4.0 μ g/L which is below the TOGS

1.1.1 Class GA SCG (50 μ g/L) for this compound. Naphthalene was reported at a concentration of 170 μ g/L, which is above the TOGS 1.1.1 Class GA SCG (10 μ g/L) for this compound.

Consistent with previous sampling events, DNAPL was encountered in MW-5.

9th Post-Remediation Sampling Event -May 2022

BTEX compounds were reported at concentrations above the corresponding TOGS 1.1.1 Class GA SCGs in two (2) of the seven (7) wells that were sampled (MW-6, and MW-8).

Although the full suite of PAHs was analyzed for this sampling event, none of the PAH COPCs were detected above laboratory reporting limits. Six (6) other PAHs (acenaphthene, acenaphthylene, anthracene, fluorene, phenanthrene, and naphthalene) were reported in the sample collected from MW-6, at concentrations consistent with levels previously detected. Acenaphthene was reported at a concentration of 2.9 $\mu g/L$, which is below the TOGS 1.1.1 Class GA SCG (20 $\mu g/L$) for this compound. Acenaphthylene was reported at a concentration of 29 $\mu g/L$, although there is no corresponding TOGS 1.1.1 Class GA SCG for acenaphthylene. Anthracene was reported at a concentration of 0.42 $\mu g/L$, which is below the TOGS 1.1.1 Class GA SCG (50 $\mu g/L$) for this compound. Fluorene was reported at a concentration of 5.5 $\mu g/L$ which is below the TOGS 1.1.1 Class GA SCG (50 $\mu g/L$) for this compound. Phenanthrene was reported at a concentration of 1.9 $\mu g/L$ which is below the TOGS 1.1.1 Class GA SCG (50 $\mu g/L$) for this compound. Naphthalene was reported at a concentration of 200 $\mu g/L$, which is above the TOGS 1.1.1 Class GA SCG (10 $\mu g/L$) for this compound.

Consistent with previous sampling events, DNAPL was encountered in MW-5.

A time series plot of the COPC concentrations depicting trends over time is provided as Appendix B.

In addition to the semi-annual groundwater sampling events, quarterly NAPL gauging in MW-5 was performed to determine if NAPL is accumulating in the well during the reporting period. Gauging events were performed on:

- November 3, 2021,
- January 31, 2022,
- May 31, 2022, and
- July 28, 2022.

In each event, dense non-aqueous phase liquid (DNAPL) was found to be present in the well. The DNAPL thickness was measured and then DNAPL was removed and collected using a stainless-steel bailer. A letter report for each gauging event was submitted to the NYSDEC and a summary table with the gauging observations and field measurements is provided in Table 2.

In accordance with the SMP, groundwater monitoring will continue as described in the SMP's Table 10 – Inspection and Monitoring Schedule. Quarterly gauging and recovery of NAPL at MW-5 will continue as conditions warrant. The frequency of groundwater monitoring and recovery of NAPL will only be modified with approval of the NYSDEC.

4. IC/EC Plan Compliance

4.1 IC/EC Requirements

ICs include the following:

- The property may be used for non-residential, *i.e.*, Commercial Uses as described in Part 375-1.8(g)(2)(iii) and Industrial Uses as described in Part 375-1.8(g)(2)(iv);
- The current cover materials at the Site (*i.e.*, parking area, access road, sidewalks, maintained vegetated areas, *etc.*) will be periodically inspected and maintained.
- The use of groundwater underlying the property is prohibited without necessary water
 quality treatment as determined by the NYSDOH or Livingston County DOH to render it safe
 for use as drinking water or for industrial purposes, and the user must first notify and
 obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining MGP contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of the physical components of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Deed Restriction.
- The potential for vapor intrusion by residual MGP contamination must be evaluated for any buildings developed on the Site within the IC boundaries noted on Figure 2, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

The Site ECs are the surface covers as described in Section 3 above and in the SMP. The surface covers will be maintained to eliminate potential exposure to remaining MGP contamination at the Site.

4.2 IC/EC Compliance

The NYSDEC-approved SMP is in place. All required inspections were performed in accordance with the SMP. All Site restrictions have been complied with during this reporting period.

4.3 IC/EC Certification

The IC/EC Certification is included in Appendix C.

5. Inspection Plan Compliance

5.1 Inspection Requirements

The inspection requirements as specified in the SMP are presented in Section 3.

5.2 Inspection Compliance

The inspections were conducted in accordance with the SMP.

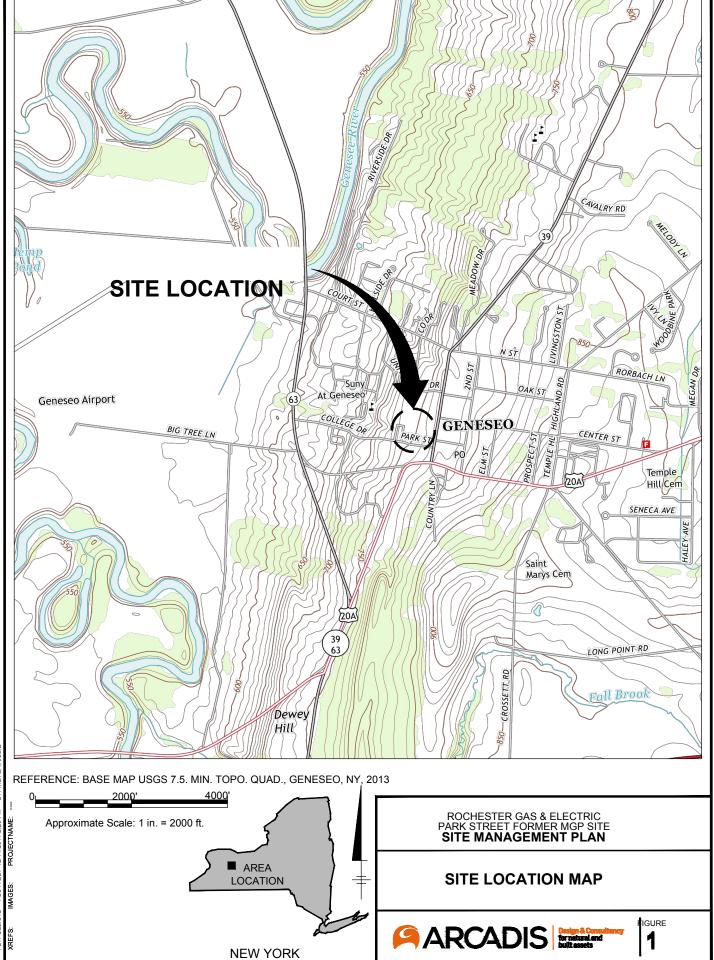
6. Conclusions and Recommendations

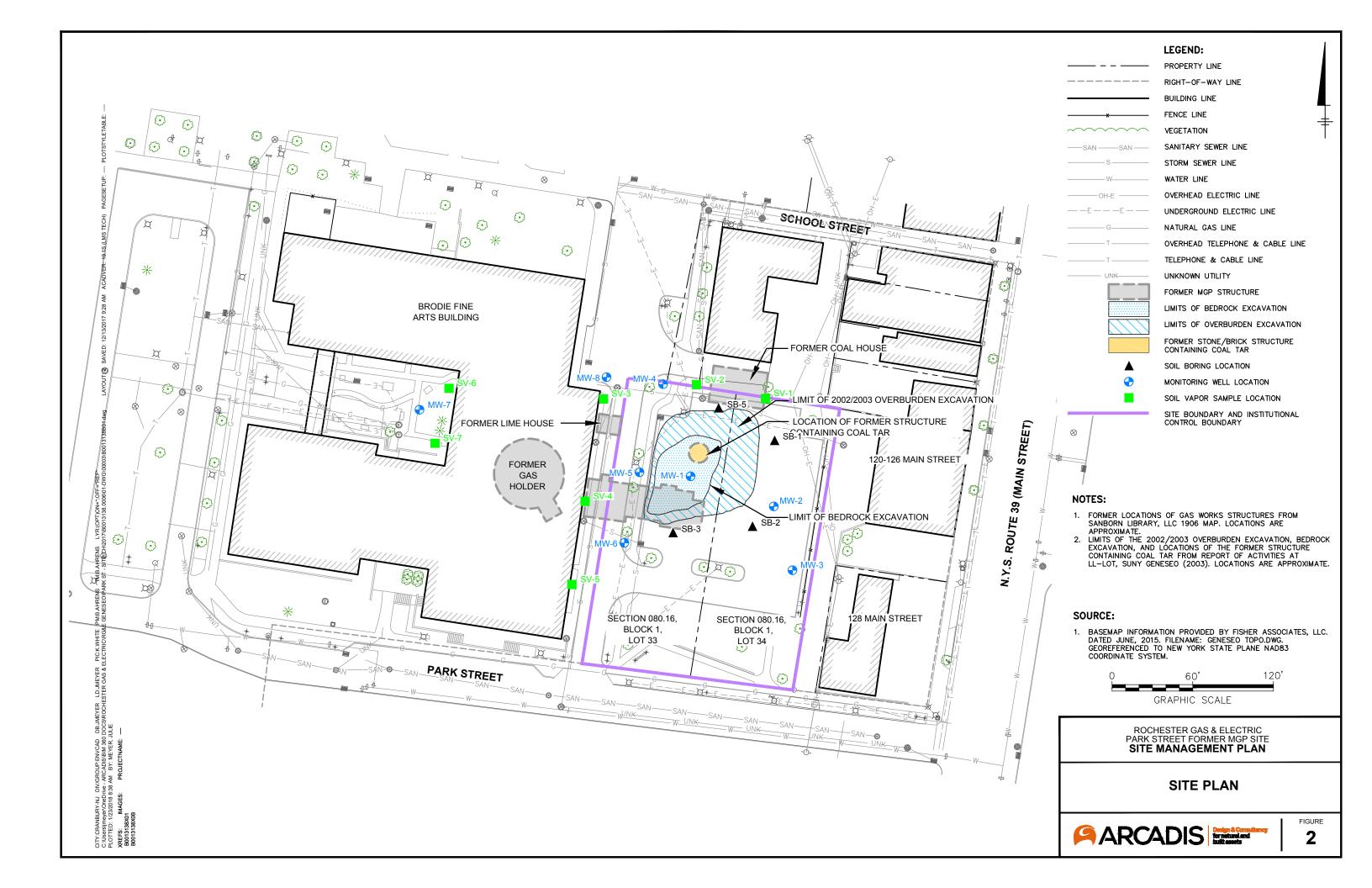
Each component of the SMP was complied with:

- ICs/ECs have been in place and effective, and
- Inspections were performed as required.

Based upon the inspections and compliance with the SMP, the Site remedy continues to meet the remedial objectives set forth. RG&E will continue to conduct inspections on an annual frequency and groundwater monitoring and NAPL removal from the specified monitoring well (MW-5) on a semi-annual and quarterly basis, respectively.

Figures





Tables

Table 2 - Groundwater Sample Analytical Results (Page 1 of 7)

Well ID			MW-1	MV	V-1	MW-1	MV	V-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID		NYSDEC	GEN-MW1	GEN-MW1-	Duplicate-	GEN-MW1-	GEN-MW1	Duplicate	GEN-MW1-	GEN-MW1-	GEN-MW1-	GEN-MW1-	GEN-MW1-
Sample ID		TOGS 1.1.1	GEIN-IVIVV I	092718	092718	051519	102619	102619	04212020	10312020	042821	103021	052422
Lab Sample ID		Class GA ¹	181657-04	184501-03	184501-05	192209-04	195363-02	195363-03	201703-05	205240-03	211799-03	214958-02	222457-05
Date Sampled	Units		4/23/2018	9/27/	2018	5/15/2019	10/26	/2019	4/21/2020	10/31/2020	4/28/2021	10/30/2021	5/24/2022
<u>Volatiles</u>													
Benzene	μg/L	1	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Toluene	μg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Xylene (total)	μg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ
Semi-Volatiles													
Acenaphthene	μg/L	20	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	10 U	5.37 U	5.37 U	0.02 J	0.02 J	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Benzo(b)fluoranthene	μg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.02 J	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	10 U	5.70 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	10 U	5.10 U	5.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Naphthalene	μg/L	10	10 U	10 U	10 U	10 U	6.03 U	6.03 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Phenanthrene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Pyrene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

 μ g/L = micrograms per liter

NT = Not Tested

NS = No Standard NL = Not Listed

MDL = Method Detection Limit

D - Indicates that the result is from a diluted run

J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit)

U - Indicates that the constituent was not detected at the reported detection limit.

UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be be inaccurate or imprecise." **Bolded value** indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).

Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.

¹Class GA Drinking Water Standard or Guidance Value

ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3

*Principal Organic Contaminant Standard



Table 2 - Groundwater Sample Analytical Results (Page 2 of 7)

Well ID			MW-2	MW-2	MW-2	MW-2	MV	V-2	MW-2	MW-2	MV	V-2	MV	<i>I-</i> 2
Comple ID		NYSDEC	GEN-MW2	GEN-MW2-	GEN-MW2-	GEN-MW2	GEN-MW2-	GEN-DUP-	GEN-MW2-	GEN-MW2-	GEN-MW2-	GEN-DUP-	GEN-MW2-	GEN-DUP-
Sample ID		TOGS 1.1.1	GEN-IVIVV2	092918	051419	102619	04202020	04202020	10302020	042721	103021	103021	052322	052322
Lab Sample ID		Class GA ¹	181657-03	184501-07	192209-02	195363-01	201703-03	201703-02	205240-02	211799-01	214958-03	214958-04	222457-04	222457-03
Date Sampled	Units		4/23/2018	9/29/2018	5/14/2019	10/26/2019	4/20/	2020	10/30/2020	4/27/2021	10/30	/2021	5/23/	2022
Volatiles														
Benzene	μg/L	1	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 UJ	1.00 UJ
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ M	2.00 UJ
Toluene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 UJ	2.00 UJ
Xylene (total)	μg/L	5*	1.39 J	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.10 J	2.00 U	2.00 UJ	2.00 UJ
Semi-Volatiles														
Acenaphthene	μg/L	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.02 J	0.10 U	0.10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ
Benzo(b)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.03 J	0.10 U	0.10 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.04 J	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 U
Naphthalene	μg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Phenanthrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.04 J	0.02 J	0.02 J	0.10 U	0.10 U
Pyrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

μg/L = micrograms per liter

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U - Indicates that the constituent was not detected at the reported detection limit.

M - Indicates "Matrix spike recoveries outside QC limits. Matrix bias indicated."

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*Principal Organic Contaminant Standard



Table 2 - Groundwater Sample Analytical Results (Page 3 of 7)

Well ID			MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
		NYSDEC		GEN-MW3-	GEN-MW3-	GEN-MW3	GEN-MW3-	GEN-MW3-	GEN-MW3-	GEN-MW3-	GEN-MW3-
Sample ID		TOGS 1.1.1	GEN-MW3	092718	051419	102919	04202020	10272020	042721	103121	052322
Lab Sample ID		Class GA ¹	181657-01	184501-02	192209-01	195363-04	201703-01	205221-01	211799-02	214958-05	222457-01
Date Sampled	Units		4/23/2018	9/27/2018	5/14/2019	10/29/2019	4/20/2020	10/27/2020	4/27/2021	10/31/2021	5/23/2022
<u>Volatiles</u>											
Benzene	μg/L	1	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene (total)	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Semi-Volatiles											
Acenaphthene	μg/L	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Benzo(b)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Naphthalene	μg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Phenanthrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Pyrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
	. •										

Notes:

μg/L = micrograms per liter

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D - Indicates that the result is from a diluted run

- J Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit)
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*Principal Organic Contaminant Standard



Table 2 - Groundwater Sample Analytical Results (Page 4 of 7)

Well ID			MW-4	MW-4	MV	V-4	MW-4	MW-4	MV	V-4	MV	V-4	MW-4	MW-4
Comple ID		NYSDEC	GEN-MW4	GEN-MW4-	GEN-MW4-	Duplicate-	GEN-MW4	GEN-MW4-	GEN-MW4-	GEN-DUP-	GEN-MW4-	GEN-DUP-	GEN-MW4-	GEN-MW4-
Sample ID		TOGS 1.1.1	GEN-IVIVV4	092818	051519	051519	102919	04222020	10282020	10282020	042821	042821	102921	052422
Lab Sample ID		Class GA ¹	181657-05	184501-06	192209-03	192209-05	195363-05	201703-07	205221-03	205221-04	211799-05	211799-04	214958-01	222457-06
Date Sampled	Units		4/23/2018	9/28/2018	5/15/	2019	10/29/2019	4/22/2020	10/28	/2020	4/28/	2021	10/29/2021	5/24/2022
·														
<u>Volatiles</u>														
Benzene	μg/L	1	0.857 J	1 U	0.547 J	1.04	0.841 J	0.828 J	0.852 J	0.949 J	2.56	2.51	1.00 U M	0.503 J
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U M	2.00 UJ
Toluene	μg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U M	2.00 UJ
Xylene (total)	μg/L	5*	2.97	1.97 J	2.02	2.60	5.86 J	3.18	5.72 J	6.46 J	19.09	19.57	2.44	2.98 J
Semi-Volatiles														
Acenaphthene	μg/L	20	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Benzo(b)fluoranthene	μg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.04 J	0.04 J	0.10 U	0.10 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	10 U	5.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U
Naphthalene	μg/L	10	10 U	10 U	10 U	10 U	6.03 U	0.05 J	0.10 U	0.10 U				
Phenanthrene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.02 J	0.02 J	0.02 J	0.04 J	0.04 J	0.10 U	0.03 J
Pyrene	μg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

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- D Indicates that the result is from a diluted run
- J Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).
- U Indicates that the constituent was not detected at the reported detection limit.
- M Indicates "Matrix spike recoveries outside QC limits. Matrix bias indicated."
- UJ Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise."

Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).

Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.

ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3



¹Class GA Drinking Water Standard or Guidance Value

^{*}Principal Organic Contaminant Standard

^{**}Class GA Guidance Value

Table 2 - Groundwater Sample Analytical Results (Page 5 of 7)

Well ID			MV	V-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Sample ID		NYSDEC	GEN-MW6	GEN- FIELD	GEN-MW6-	GEN-MW6-	GEN-MW6-	GEN-MW6-	GEN-MW6-	GEN-MW6-	GEN-MW6-	GEN-MW6-
Sample 15		TOGS 1.1.1	OLIN-IVIVO	DUPE	092918	051619	103019	04222020	10312020	050321	103121	052522
Lab Sample ID		Class GA ¹	181657-08	181657-09	184501-09	192209-06	195363-08	201703-08	205240-04	211855-02	214958-06	222457-07
Date Sampled	Units		4/24/	2018	9/29/2018	5/16/2019	10/30/2019	4/22/2020	10/31/2020	5/3/2021	10/31/2021	5/25/2022
Volatiles												
Benzene	/1	1	147	150	170	148	198	161	249	97.4	178	164 J
Ethylbenzene	μg/L	5*							39.6	22.1		46.7 J
,	μg/L	5*	31.5	32.5	35.8	22.5	32.6	26.1			32.6	
Toluene	μg/L	5*	51.5	53.1	62.7	71.8	84.9	72.4	79.7	19.4	33.8	49.8 J
Xylene (total)	μg/L	5"	107.3	108.9	116.2	125.6	114.7	144.0	126.6	57.6	86.8	104.2 J
Semi-Volatiles												
Acenaphthene	μg/L	20	20 U	20 U	20 U	20 U	25.0 U	1.7 J	1.8 J	1.2	1.7	2.9
Acenaphthylene	μg/L	NS	25.1	25.3	22.2	21.4	34.9	24	24	14	18	29 E
Anthracene	μg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	0.46 J	0.42
Benzo(a)anthracene	μg/L	0.002**	10 U	20 U	20 U	20 U	26.8 U	2.0 U	2.0 U	1.0 U	1.0 U	0.05 UJ
Benzo(a)pyrene	μg/L	ND	10 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 UJ
Benzo(b)fluoranthene	μg/L	0.002	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U
Benzo(g,h,i)perylene	μg/L	NS	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	20 U	20 U	20 U	20 U	28.5 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U
Chrysene	μg/L	0.002	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U
Fluoranthene	μg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.05 J
Fluorene	μg/L	50	20 U	20 U	20 U	20 U	25.0 U	3.9	3.8	2.6	4.0	5.5
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	20 U	20 U	20 U	25.5 U	2.0 U	2.0 UJ	1.0 U	1.0 U	0.10 UJ
Naphthalene	μg/L	10	279	299	273	283	486	260	250	110	170	200 E
Phenanthrene	μg/L	50	20 U	20 U	20 U	20 U	25.0 U	1.7 J	1.5 J	0.90 J	1.6 J	1.9
Pyrene	μg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U

 μ g/L = micrograms per liter

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NL = Not Listed

MDL = Method Detection Limit

D - Indicates that the result is from a diluted run

E - Indicates "Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument."

J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

U - Indicates that the constituent was not detected at the reported detection limit.

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

Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).

Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.

¹Class GA Drinking Water Standard or Guidance Value

ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3

*Principal Organic Contaminant Standard



Table 2 - Groundwater Sample Analytical Results (Page 6 of 7)

Well ID			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Sample ID		NYSDEC	GEN-MW7	GEN-MW7-	GEN-MW7-	GEN-MW7-	GEN-MW7-	GEN-MW7-	GEN-MW7-	GEN-MW7-	GEN-MW7-
Sample 1D		TOGS 1.1.1	GLIN-IVIVV I	092618	051719	103119	04222020	10302020	050321	110121	052622
Lab Sample ID		Class GA ¹	181657-07	184501-01	192209-09	195363-10	201703-09	205240-01	211855-03	214958-09	222457-09
Date Sampled	Units		4/24/2018	9/26/2018	5/17/2019	10/31/2019	4/22/2020	10/30/2020	5/3/2021	11/1/2021	5/26/2022
<u>Volatiles</u>											
Benzene	μg/L	1	1 U	0.606 J	1 U	0.951 J	1.00 U	0.729 J	1.00 U	1.00 U	1.00 U
Ethylbenzene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	μg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene (total)	μg/L	5*	2 U	1.65 J	2 U	2.0	2.00 U	1.00 J	2.00 U	2.00 U	2.00 U
<u>Semi-Volatiles</u>											
Acenaphthene	μg/L	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Acenaphthylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Anthracene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.02 J	0.11 U
Benzo(a)pyrene	μg/L	ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 UJ
Benzo(b)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.02 J	0.11 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Fluorene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 UJ
Naphthalene	μg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	0.07 J	0.10 U	0.10 U	0.11 U
Phenanthrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.02 J	0.02 J	0.02 J	0.02 J	0.03 J
Pyrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U

 μ g/L = micrograms per liter

NT = Not Tested

NS = No Standard

NL = Not Listed

MDL = Method Detection Limit

D - Indicates that the result is from a diluted run

J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit)

U - Indicates that the constituent was not detected at the reported detection limit.

UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise." **Bolded value** indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).

Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.

¹Class GA Drinking Water Standard or Guidance Value

ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3

*Principal Organic Contaminant Standard



Table 2 - Groundwater Sample Analytical Results (Page 7 of 7)

Well ID			MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample ID		NYSDEC	GEN-MW8	GEN-MW8-	GEN-MW8-	GEN-MW8-	GEN-MW8-	GEN-MW8-	GEN-MW8-	GEN-MW8-	GEN-MW8-
Sample ID		TOGS 1.1.1	GLIN-IVIVVO	092818	051619	102919	04212020	10282020	050321	110121	052522
Lab Sample ID		Class GA ¹	181657-06	184501-04	192209-07	195363-07	201703-06	205221-02	211855-01	214958-08	222457-08
Date Sampled	Units		4/23/2018	9/28/2018	5/16/2019	10/29/2019	4/21/2020	10/28/2020	5/3/2021	11/1/2021	5/25/2022
<u>Volatiles</u>	,,		0.00	0.00	0.00	F F0					
Benzene	μg/L	1	8.93	8.08	6.00	5.50	2.28	3.59	2.54	3.37	1.88 J
Ethylbenzene	μg/L	5*	7.3	7.08	5.84	5.64	2.68	2.60	2.52	2.32	3.08 J
Toluene	μg/L	5*	2.76	5.78	4.99	5.21	2.24	3.76	1.49 J	1.44 J	2.00 J
Xylene (total)	μg/L	5*	3.85	11.77	8.26	9.45	6.28	8.19	5.88	6.58	8.98 J
Semi-Volatiles											
Acenaphthene	ua/l	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Acenaphthylene	μg/L μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Anthracene		50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(a)anthracene	μg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
` ,	μg/L	0.002 ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ
Benzo(a)pyrene	μg/L		10 U	10 U	10 U	5.00 U		0.10 U	0.10 U	0.10 U	
Benzo(b)fluoranthene	μg/L	0.002					0.02 J				0.10 U
Benzo(g,h,i)perylene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Benzo(k)fluoranthene	μg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Dibenzo(a,h)anthracene	μg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Chrysene	μg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluoranthene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Fluorene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Indeno(1,2,3-cd) pyrene	μg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ
Naphthalene	μg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	0.10 U	0.09 J	0.22	0.10 U
Phenanthrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.04 J	0.10 U
Pyrene	μg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

μg/L = micrograms per liter

NT = Not Tested

NS = No Standard

NL = Not Listed

MDL = Method Detection Limit

D - Indicates that the result is from a diluted run

Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).

Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.



J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (The magnitude of any ± value associated with the result is not determined by data validation).

U - Indicates that the constituent was not detected at the reported detection limit.

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

¹Class GA Drinking Water Standard or Guidance Value

ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3

^{*}Principal Organic Contaminant Standard

^{**}Class GA Guidance Value

Appendix A

2022 Site Inspection Form and Photographic Log

Site Inspection Form Park Street Former MGP Site - Geneseo, New York

Temperature: **General Requirements** Photographs will be attached to document the condition of each inspection item identified below. A written description of any item(s) that is considered to be in poor condition is required. **General Site Conditions:** Monitoring wells Good ☐ Poor* Cover Areas (Pavement) **A**Good ☐ Poor* Good Cover Areas (Sidwalk) ☐ Poor* Cover Areas (Grass/Landscaping) Good Poor* No Signs of intrusive activities ☐ Yes* Evidence of Settlement No ☐ Yes* Note: -Cover area inspection is to determine if intrusive activities may have occurred since the previous site visit. **Site Cover Systems:** Borrowing/Depressions ☐ Yes* ☐Yes* Standing Water MNo Missing Asphal/Sidewalk ☐Yes* No ☐ Yes* Vegetative Growth (Other than grass/landscaped areas) ☐ Yes* Evidence of Settlement Sedimentation ☐ Yes* No ☐ Yes* Damage/Failure Notes:



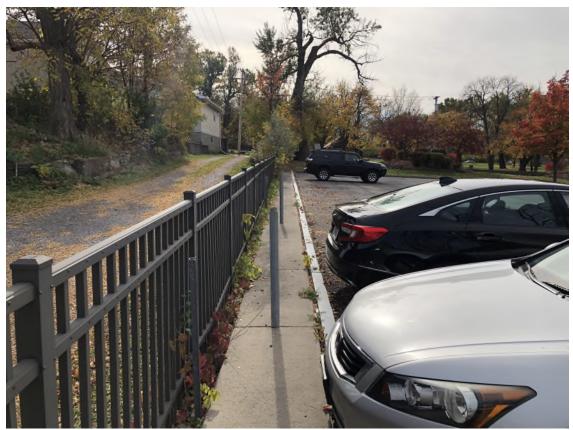
Landscaped area to south of Parking Lot L - viewing west



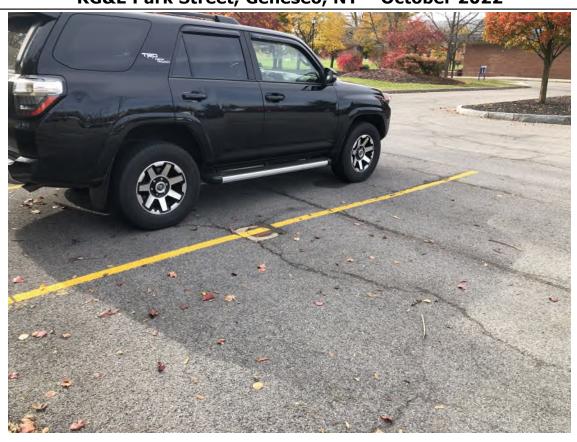
Asphalt cover, southern portion of Parking Lot L - viewing east



Sidewalk and landscaped area, southeastern portion of Parking Lot L - viewing south



Eastern edge of Parking Lot L - viewing south



Asphalt cover near MW3, eastern portion of Parking Lot L - viewing southwest



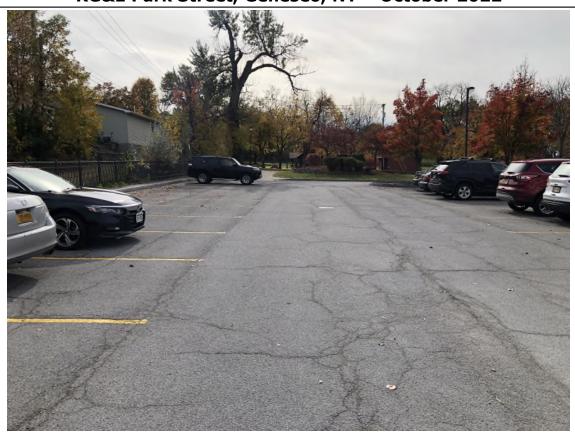
Asphalt cover, eastern portion of Parking Lot L - viewing north



Asphalt cover, northern portion of Parking Lot L - viewing east



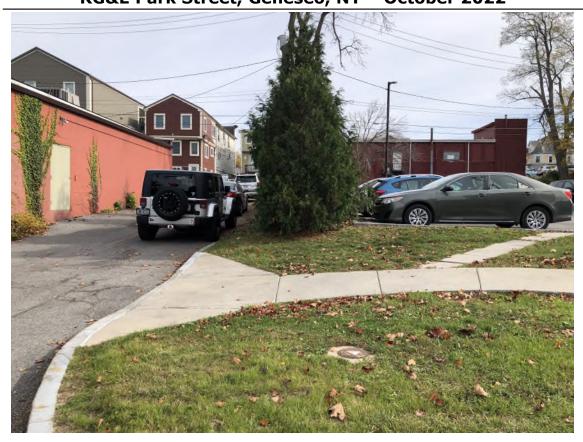
Asphalt cover near MW1 - viewing south



Asphalt cover near MW2 - viewing south



Western sidewalk and Parking Lot L, MW5 area - viewing south



MW4 area – viewing east



MW5 area – viewing northeast



MW8 area – viewing south

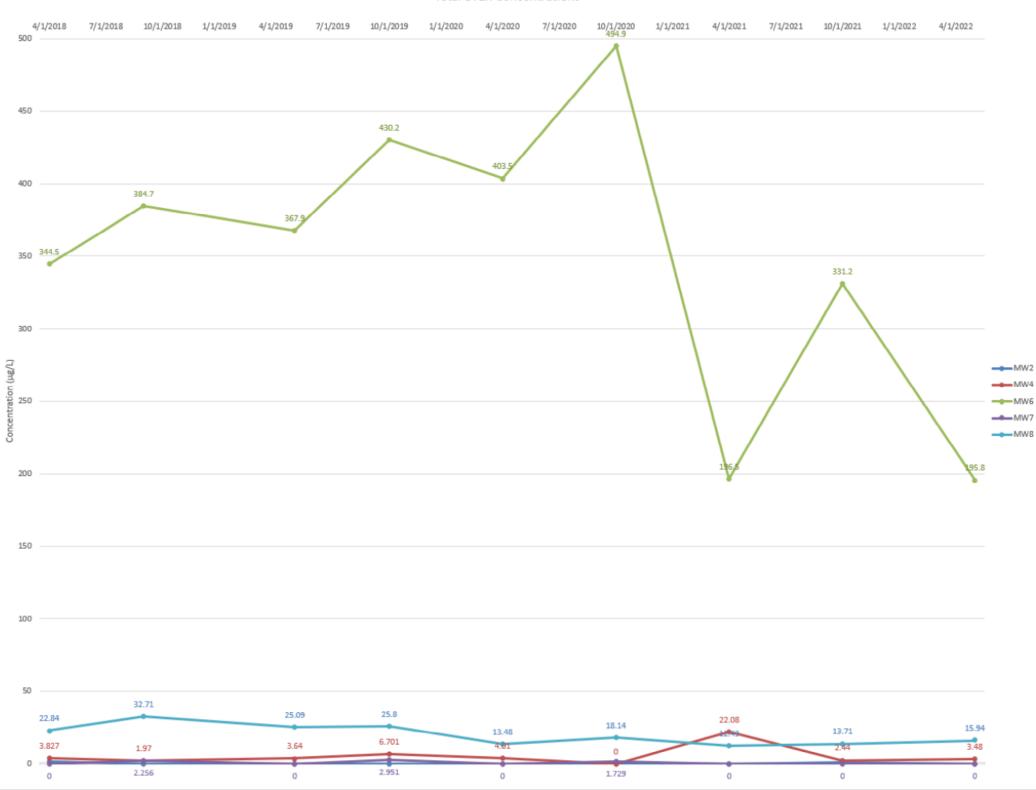


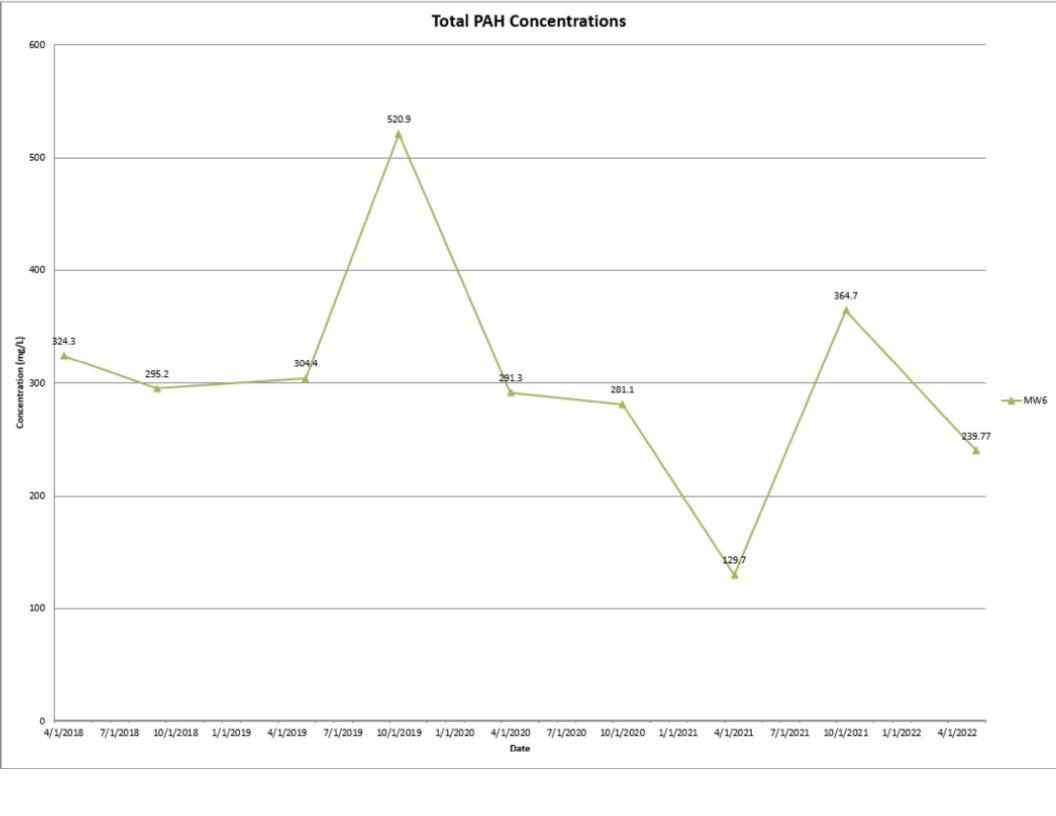
MW7 area – viewing east

Appendix B

Time Series Plot of COPCs







Appendix C

Institutional and Engineering Controls Certification Form



Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Sit	e No. V0073 [.]	1	Site Details		Box 1	
Sit	e Name RGE Gene	seo-Park St MG	SP .			
Cit Co	e Address: 4 and 6 l y/Town: Geneseo unty:Livingston e Acreage: 0.778	Park Street	Zip Code: 14454			
Re	porting Period: Nove	ember 01, 2021 t	to November 01, 2022			
					YES	NO
1.	Is the information a	bove correct?			X	
	If NO, include hand	lwritten above or	on a separate sheet.			
2.	Has some or all of tax map amendmen			merged, or undergone a		$\overline{\mathbf{x}}$
3.	Has there been any (see 6NYCRR 375-		at the site during this R	eporting Period		x
4.	Have any federal, s for or at the propert			ı, discharge) been issued		×
				cumentation or evidenc th this certification form		
5.	Is the site currently	undergoing deve	elopment?			X
					Box 2	
					YES	NO
6.	Is the current site u Restricted-Residen		th the use(s) listed belo , and Industrial	ow?	X	
7.	Are all ICs in place	and functioning	as designed?	×		
				NO, sign and date below M. Otherwise continue.	and	
Α (Corrective Measures	Work Plan mus	t be submitted along w	vith this form to address	these iss	ues.
Sig	nature of Owner. Ren	 medial Party or De	esignated Representativ	e Date		

SITE NO. V00731 Box 3

Description of Institutional Controls

<u>Parcel</u> <u>Owner</u> <u>Institutional Control</u>

Charles Reyes, SUNY Geneseo EHS

Ground Water Use Restriction

Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

IC/EC Plan

Box 4

Description of Engineering Controls

Parcel Engineering Control

Cover System Monitoring Wells

Box	5
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	Periodic Review Report (PRR) Certification Statements	
1.	I certify by checking "YES" below that:	
	a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;	
	b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted	
	engineering practices; and the information presented is accurate and compete. YES NO	
	old Z	
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:	
	(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;	
	(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;	
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;	
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and	
	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.	
	YES NO	
	$oldsymbol{oldsymbol{\mathbb{Z}}}$	
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.	
	A Corrective Measures Work Plan must be submitted along with this form to address these issues.	
	Signature of Owner, Remedial Party or Designated Representative Date	
		_

IC CERTIFICATIONS SITE NO. V00731

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Penal Law.	per-velle Li	_(
	10 Jones AUE		
1 Albert G. Lyons, Jr at_	Rochester, NY	14608	
print name	print busines	s address	
am certifying as Owner Represent	textive		_(Owner or Remedial Party)
for the Site named in the Site Details Section	of this form.		
Alles S you		/	2/9/22
Signature of Owner, Remedial Party, or Designature	gnated Representativ	/e	Date
Rendering Certification			

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

i Albert 6. Lyons, Jr atat	Rochester, NY 14608
print name	print business address
am certifying as a Professional Engineer for the _	Owner Representative
	(Owner or Remedial Party)
allut I yan]	O74710 LES 12/9/22
Signature of Professional Engineer, for the Owne	to the second grant and a second of
Remedial Party, Rendering Certification	(Required for PE)

Exhibit A

Laboratory Reports for Groundwater Sampling Events

(Presented as separate file)