Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

May 20, 2025

NYSEG
Attn: Levia Terrell - Project Manager, Environmental Remediation
18 Link Drive
Binghamton, NY 13902

Re: 2024 Annual Monitoring Report
NYSEG - Mechanicville Central Ave. MGP
Central Avenue, Mechanicville
Saratoga County
Site No.: 546033

Dear Levia Terrell:

The New York State Department of Environmental Conservation (NYSDEC) hereby accepts the 2024 Annual Monitoring Report dated February 27, 2025, for the subject site listed above. Additionally, a review provided by NYSDEC's consultant, Ramboll, is attached.

The NYSDEC Offers the following comments:

- Since photographs of the stream bank were not provided in the 2024 Annual Monitoring Report, please include a photograph log of the stream bank conditions in either the upcoming 2025 Annual Monitoring Report or 2021 – 2026 Periodic Review Report.
- Either decommission MW-10 in accordance with CP-43 or remove the obstruction from MW-10 by 2026.

The NYSDEC concurs with the recommendations by Arcadis, which include the following:

- Update the SMP to reflect current conditions.
- Continue Site monitoring and inspections in accordance with the updated SMP.
- Discontinue annual streambank monitoring.
- Replace padlocks, J-plugs, and other materials for all wells where the materials were found to be missing in spring 2025.

If you have any questions, please contact me at 518-603-3163 or e-mail: tracey.garland@dec.ny.gov.

Sincerely,

Tracey Garland

Tracey Garland
Project Manager,
Section E, Remedial Bureau C

EC: Wendy Kuehner (NYSDOH)
Gerald Pratt (NYSDEC)
Ryan Merrell (Arcadis, consultant for Avangrid)
Scott Tucker (Ramboll, consultant for NYSDEC)

RAMBOLL

ENVIRONMENT
& HEALTH

Tracey Garland, GIT
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-5060

Re: NYSEG Mechanicville Central Avenue MGP Site
2024 Annual Monitoring Report

Date May 15, 2025

Dear Mr. Garland:

Per Work Assignment D009810-42, Ramboll has reviewed the attached Annual Monitoring Report for the reporting period of 2024, for the Mechanicville Central Avenue MGP Site No. 546033 (the Site) for compliance with the Site Management Plan (SMP) and associated regulatory documents.

Based on the review, Ramboll finds the 2024 Annual Monitoring Report to be in compliance with the SMP and should therefore be considered accepted with the following recommendation:

- Ramboll recommends that Arcadis add an additional recommendation to the 2024 Annual Monitoring Report to decommission MW-10 for NYSDEC consideration.

Please see Ramboll's comments on the following pages.

Yours sincerely

Deborah Wright
Project Officer

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deborah.wright@ramboll.com

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Attachments: 1 – Report review comments
2 – SMP compliance checklist
3 – Monitoring well rehabilitation checklist
4 – 2024 Annual Monitoring Report for the Mechanicville Central Avenue MGP Site, prepared by Arcadis for NYSEG and NYSDEC, dated February 27, 2025

cc: Scott Tucker – Ramboll
Luke Reusser – Ramboll

RAMBOLL

ENVIRONMENT
& HEALTH

Report Review Comments

Site Name: **Mechanicville Central Avenue MPG**

Site No.: **546033**

Site Owner: **NYSEG**

Report Title: **2024 Annual Monitoring Report**

Prepared By: **Ryan Merrell - Arcadis**

Report Date: **2/27/2025**

Report Type: Annual Monitoring

Review By: Ramboll Americas Engineering Solutions, Inc.

Reviewed For: Tracy Garland, GIT, DER NYSDEC

General Comments

Activities conducted in 2024 by Arcadis and presented in the 2024 Annual Monitoring Report (AMR), dated February 7, 2025, are in compliance with the current SMP (AECOM, 2011).

- The Annual Site Inspection was successfully completed. Both the Site Inspection Form and the Stream Inspection Form are included and discussed in the report.
- Refer to the SMP compliance checklist below for details.

A monitoring well rehabilitation and decommissioning event was conducted in 2024 to address the recommendations included in the 2021 PRR (AECOM, 2021) and the 2023 Groundwater Monitoring Well Network Review (AECOM, 2023).

- Rehabilitation efforts included well repairs, curb box repairs or replacements, and/or redevelopment on a well-by-well basis.
- A total of five monitoring wells were decommissioned following CP-43.
- Refer to the monitoring well rehabilitation checklist below for details.

NYSEG is currently updating the 2011 SMP.

Missing/Incomplete Components

None

2024 Annual Monitoring Report Recommendations by Arcadis

- Update the SMP to reflect current conditions, including the recommendations provided in the PRR (AECOM, 2021). Update is currently underway by NYSEG.
- Continue Site monitoring and inspections in accordance with the updated SMP.

- Discontinue annual streambank monitoring as the conditions and schedule contained in the SMP have been met.
- Replace padlocks, J-plugs, and other materials for all wells where the materials were found to be missing in Spring, 2025.

Ramboll Recommendations

Ramboll agrees with the recommendation provided by Arcadis in the 2024 AMR. Specifically:

- Discontinue annual streambank monitoring: The 2011 SMP (AECOM, 2011) states that the Anthony Kill streambank "must be inspected for five years" and that "the vegetative cover will be monitored to confirm that 95% surface cover is being naturally maintained."
- The streambank has consistently met these conditions.

Ramboll suggests that the 2024 AMR by Arcadis be accepted with the following recommendation:

- Arcadis add an additional recommendation to the 2024 AMR stating that MW-10 (obstructed well) should be decommissioned. The following supports this suggestion.
    - The obstruction in MW-10 has been noted since 2021.
    - MW-10 is not included in the NAPL or Groundwater Monitoring Programs; the well is only used for water level gauging and has been recorded as "dry" due to the obstruction since 2021.
    - 2024 attempts by Arcadis to remove the obstruction were unsuccessful.

Mechanicville Central Avenue Former MGP

NYSDEC Site No. 546033

2011 Site Management Plan Compliance Checklist

For Report:

2024 Annual Monitoring Report prepared by Arcadis

RAMBOLL Recommendation
Based on the current SMP dated 2011, Ramboll finds the 2024 Annual Monitoring Report to be in compliance with the SMP and recommends the report be accepted with the additional recommendation discussed in the cover letter.

Monitoring and Sampling Plan	Frequency	Compliant	Ramboll Notes
NAPL monitoring and recovery - Manually remove NAPL if measured thickness >0.5 ft. 11 wells originally. (TW-1, TW-2I, TW-3, MW-1D, MW-10D, MW-33D, MW-34D, MW-35I, MW-42D, MW-44I, and MW-45I) (MW-34D and MW-44I decommissioned, MW-1I added to program in 2021) - Currently 10 wells included. Results will be included in the Annual Report.	Quarterly year 1; Evaluate thereafter (Currently conducted annually)	**Yes**	2024 activities inculded water level gauging, NAPL gauging, and NAPL recovery on October 7 and 8.
Groundwater Monitoring and Sampling - VOCs, SVOCs, and Total Cyanide. 15 wells originally - water levels and sampling. (TW-2S, MW-2, MW-2I, MW17, MW-17I, MW-17D, MW-20D, MW-34D, MW-36I, MW-36D, MW-38I, MW-38D, MW-39D, MW-40D and MW-46I) (MW-34D decommissioned) - Currently 14 wells included. Well integrity will be noted on well sampling logs and well repair recommendations will be provided as appropriate. Results will be included in the Annual Report.	Biennially	NA	Groundwater sampling conducted in 2023; Next sampling scheduled for spring, 2025 2024 activities included water level gauging on October 7 and 8, and generation of potentiometric surfaces.
Anthony Kill Assessment - Observe for oil blebs on water and in sediment before and after probing. - Results and stream inspection form will be included in the Annual Report. - Currently conducted annually.	Quarterly year 1; (Currently conducted annually)	**Yes**	Conducted on October 8, 2024.
Streambank Assessment - Visual inspection - confirm 95% of surace soil coverage is naturally maintained. - Results and stream inspection form will be included in the Annual Report. - Currently conducted annually. - Arcadis recommends discontinuing starting in 2025.	Annually for first 5 years; (Re-evaluate thereafter)	**Yes**	Conducted on October 8, 2024.
Annual Site Inspection - Conducted annually, at a minimum. - Results and Site inspection Form will be included in the Annual Report. - Fence Integrity - Site Cover and Use Assessment - Well Network Assessment	Annually	**Yes**	Conducted on October 7 & 8, 2024.
Indoor Air Quality; TO-15 prior to change in site usage or development.	As needed	NA	NA

Operation and Maintenance Plan	Frequency	Compliant	Ramboll Notes
No active remedial treatment system on the Site. NAPL recover system was discontinued in November, 2009.	NA	NA	NA
Reporting Requirements			
Annual Site Inspection Report	Frequency	Compliant	Ramboll Notes
Site Inspection Form and discussion to be included in the Annual Report, and summarized in the 5-yr PRR.	Annually	**Yes**	Completed, Inspection Form present.
NAPL Monitoring Letter Report	Frequency	Compliant	Ramboll Notes
Results to be included in the Annual Report, and summarized in the 5-yr PRR.	Annually	**Yes**	Completed, results included and discussed.
Groundwater Sampling Letter Report	Frequency	Compliant	Ramboll Notes
Biennial results to be included in the Annual Report (alternate years), and summarized in the 5-yr PRR.	Biennially	NA	Sampling completed in 2023; Next event scheduled for spring, 2025.
Anthony Kill NAPL Monitoring	Frequency	Compliant	Ramboll Notes
Anthony Kill Stream Inspection Form and results to be included in the Annual Report, and summarized in the 5-yr PRR.	Annually	**Yes**	Completed, Stream Monitoring Form present.
Streambank Monitoring	Frequency	Compliant	Ramboll Notes
Anthony Kill Stream Inspection Form and results to be included in the Annual Report, and summarized in the 5-yr PRR.	Annually	**Yes**	Completed, Stream Monitoring Form present.
Periodic Review Report (including cert of ECs/ICs)	Frequency	Compliant	Ramboll Notes
To be submitted every 5 years, and within 45 days of the end of each certification period. An Annual Report will be submitted in addition to the PRR on coincident years.	Every 5 years	NA	Next PRR due April 24, 2026.
Corrective Measures Workplan	Frequency	Compliant	Ramboll Notes
If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a corrective measures plan will be submitted to the NYSDEC for approval.	As needed	NA	NA
Additional Activites Conducted and Included in 2024 Annual Monitoring Report			
- Gauged all "non-SMP" accessible monitoring wells for the presence and thickness of NAPL.			
- Completed a NAPL recovery assessment at MW-1I.			
- Conducted a well rehabilitation and decommissioning event from April 22 to May 3, 2024 (See MW rehabilitation checklist).			
Summary of Findings (Arcadis)			
- The site perimeter fence is in good condition. The Anthony Kill bank appeared stable and vegetated. No signs of significant erosion or new buildings.			
- NAPL indentified in wells MW-10D and MW-35I. Aproximately one (1) gallon of NAPL/water mixuture removed from MW-10D.			
- Following the 2023 well inspection, issue were addressed during the well rehabilitation event.			
Conclusions (Arcadis)			
- SMP required activities were successfully performed in 2024. The remedy remains effective in protecting the public health and environment.			

Recommendations (Arcadis)
- Update the SMP to reflect current conditions (Underway by NYSEG).
- Continue Site monitoring and inspections annually.
- Discontiune streambank monitoring.
- Identified wells that need padlocks, J-plugs, and other materials replaced. Plans to address these items in Spring 2025.

Mechanicville Central Avenue Former MGP

NYSDEC Site No. 546003

2021 PRR & 2023 MW Rehabilitation Recommendation Checklist

For Report:

2024 Annual Monitoring Report prepared by Arcadis

Well Rehabilitations and Decommissions			
Well ID	AECOM Reccommendation	Arcadis 2024 Action	Ramboll Notes
TW-2S	6-inch steel casing bent. Well incorrectly labeled (TW-2I not 2S) Sleeve with 2-in PVC, sand pack then seal annulus to surface	Overdrilled and well installed. Redeveloped.	
TW-2I	Unable to be located. Suspected buried under rip rap.	Located under asphalt. Well built up to prevent re-burial.	
MW-10	Obstructed at ~6.5 ft bgs. Obstruction should be identified and removed.	Well was not able to be rehabilitated.	Ramboll recommends Arcadis add a recommendation to the 2024 report to decommission this well. - Well is not included in the NAPL or Groundwater Monitoring programs. Only used for gauging. - Due to the obstruction, the well has been recorded as "dry" since 2021.
MW-17I	Unable to be located. Suspected paved over. Remove pabement, replace curb box, and redevelop if needed.	Well located. Curb box installed and new J-pulg.	
MW-17D	2-inch PVC sleve loose and annulus can't be sealed. Needs cur box repair. Replace 2-in sleve and complete installation.	Well repair and new curb box.	
MW-38I	Needs curb box repair	New curb box installed.	
MW-40D	Curb box and PCV damaged. Located too close to sidewalk edge.	Well Decommissioned CP-43	
MW-42D	Needs curb box. Currently open well. Redevelop.	Property owner denied access.	
MW-45I	Needs curb box repair. Redevelop.	Curb box replaced. Redeveloped.	
MW-46I	Top of well casing buried under gravel. Blocked at 6-inches below top of well casing. Attempt to drill out well and repair. Otherwise decommission well and replace tihe TW-4	Curb box replaced. Redeveloped.	
MW-35I	4 feet shallower than installation depth. Needs redevelopment.	Redeveloped. New J-plug.	
MW-38I	20 feet shallower than installation depth. Needs redevelopment. Install new curb box or reinstall well.	. Over drilled, new concrete pad and casing. Redeveloped	
MW-1	Accumulated sediment. Needs redevelopment	Redeveloped. J-plug replaced.	
MW-13	Accumulated sediment. Needs redevelopment	Redeveloped	

Well Rehabilitations and Decommissions			
Well ID	AECOM Reccommendation	Arcadis 2024 Action	Ramboll Notes
MW-25S	Accumulated sediment. Needs redevelopment	Well Decommissioned CP-43	
MW-25I	Accumulated sediment. Needs redevelopment	New concrete pad and protective casing installend. Redeveloped.	
MW-20D	Clear brush	Not mentioned. Noted needs new J-plug	
MW-1I	Update SMP to include this well in NAPL monitoring well network	NA	
MW-18	Recommend decommissioning well	Well Decommissioned CP-43	
MW-34D	Well decommissioned. Update SMP to reflect this.	NA	
MW-44I	Well decommissioned. Update SMP to reflect this.	NA	
MW-12	NA	Well Decommissioned CP-43	
MW-12S	NA	Well Decommissioned CP-43	

ARCADIS

Mr. Tracey Garland
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany
New York 12233-7014

February 27, 2025

Subject: **Annual Monitoring Report 2024**
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York
NYSDEC Site: 5-46-033

Dear Mr. Garland:

Arcadis on behalf New York State Electric and Gas Corporation (NYSEG), is submitting the enclosed Annual Monitoring Report 2024 for Mechanicville Central Avenue Former MGP Site.

If you have any questions or concerns, please do not hesitate to contact me at 315 671-9219 or ryan.merrell@arcadis.com.

Sincerely,

Arcadis

Ryan Merrell
Project Manager

cc:
Michaela Cochran, New York State Department of
Environmental Conservation
Levia Terrell, NYSEG
Rebecca Hensel, Arcadis

New York State Electric and Gas Corporation

Annual Monitoring Report 2024

Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

NYSDEC Site: 5-46-033

February 2025

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Acronyms and Abbreviations

AECOM	AECOM USA, Inc.
Arcadis	Arcadis of New York, Inc.
AWQS/GV	Ambient Water Quality Standards and Guidance Values
DO	dissolved oxygen
MGP	manufactured gas plant
NAPL	non-aqueous phase liquid
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric and Gas Corporation
ORP	oxidation/reduction potential
PAH	polycyclic aromatic hydrocarbon
PRR	Periodic Review Report
SMP	site management plan
USEPA	United States Environmental Protection Agency
mg/L	milligrams per liter

1 Introduction and Background

1.1 Introduction

On behalf of New York State Electric and Gas Corporation (NYSEG), Arcadis of New York, Inc. (Arcadis) has prepared this Annual Report in accordance with the Site Management Plan (SMP) prepared by AECOM USA, Inc. (AECOM), dated April 2011 (AECOM 2011). Note that NYSEG is currently updating the SMP to reflect NYSDEC-approved modifications made to the monitoring program, further details can be found in the PRR (AECOM 2021).

1.2 Background

The Site is located on North Central Avenue in Mechanicville, Saratoga County, New York (Figure 1). The Site is bordered on the east by North Central Avenue (formerly the Champlain Canal); on the south by Ferris Lane; on the west by G. A. Bove & Sons, a fuel distributor; and on the north by the Anthony Kill, a small tributary that flows eastward into the Hudson River.

In accordance with the SMP, the 2024 monitoring event included the completion of an annual inspection and non-aqueous phase liquid (NAPL) monitoring and removal (if needed) comprising the following:

- Conducting an annual inspection, including assessment of:
  - Perimeter fence integrity
  - Anthony Kill for the presence of NAPL-related ebullition and sheens in water and sediment
  - The streambank for erosion and surface coverage
- Assessing the integrity of the monitoring well network.
- Inspecting the Site cover and assessing whether Site modifications occurred, including excavation activity, change in use, or new structures.
- Documenting any changes at the Site that could compromise effectiveness of the engineering or institutional controls.
- Gauging wells comprising the NAPL Monitoring Program for the presence of NAPL, recording measurable thicknesses of accumulated NAPL, and removing accumulated NAPL from wells containing a thickness exceeding 0.5 feet.

The SMP requires that groundwater sampling be conducted once every two years until the results meet the groundwater standards, criteria, and guidelines for at least two consecutive sampling events. The next sampling event will be completed in 2025.

Additional tasks (not required by the SMP) were completed at the Site in 2024 per the 2021 Periodic Review Report (PRR; AECOM 2021). These tasks consisted of the following:

- Completing a well network review of all other accessible monitoring wells at the Site, in addition to the wells comprising the monitoring network required by the SMP.
- Gauging all “non-SMP” accessible monitoring wells for the presence of NAPL and, if detected, measuring the thickness present. The term “non-SMP” means monitoring wells that exist at the Site but are not part of the NAPL or groundwater monitoring programs defined in the SMP.

- Completing a NAPL recovery assessment at monitoring well MW-1I.
- Conducting a well rehabilitation and decommissioning event.

A description of the work performed and the associated findings from this 2024 annual monitoring event are provided in the following sections.

2 Annual Inspection

Annual inspection activities have been conducted at the Site since 2011 and included evaluating the perimeter fence integrity, Anthony Kill, streambank erosion and vegetation, site cover and usage, and the well network. A description of the above activities is presented below.

2.1 Fence Integrity

A visual assessment of the Site perimeter fence was performed on October 8, 2024. The perimeter fence appeared to be in good condition and no breaks, holes, or significant deterioration were observed.

2.2 Anthony Kill Monitoring

The Anthony Kill was observed for signs of visible NAPL ebullition and sheens on October 8, 2024. No sheen was observed on the water surface prior to sediment probing. Sediments were subsequently probed with a rod to a depth of approximately six inches for signs of NAPL accumulation. After probing, a sheen was observed on the water surface at the location referenced in Appendix A. Once the sheen dissipated, no additional areas of sheen were noted during inspection. No visible NAPL noted on the rod or in the Anthony Kill during the inspection. The observations are consistent with past streambank and creek observation events with the most recent observation of sheen identified on September 27 and September 30, 2022 (AECOM 2023a). A summary of Site inspection and streambank observations is presented in Appendix A.

2.3 Streambank Erosion and Surface Coverage Assessment

The southern bank of the Anthony Kill (where soil removal was performed) required annual inspection for five years (through 2016) to assess the condition of the vegetative cover and erosion of the restored bank. NYSEG chose to continue streambank monitoring beyond the five-year period required in the SMP.

The streambank and surface coverage were inspected on October 8, 2024 and the streambank was observed to be in stable condition. The designed rip rap area and the streambank showed no evidence of significant erosion. The vegetative cover appeared to be in good health and covered at least 95% of the streambank surface. A summary of Anthony Kill and streambank observations is included in Appendix A.

2.4 Assessment of Site Cover and Use

The site cover and usage were evaluated on October 8, 2024, and conditions are consistent with those observed in 2023. No evidence of intrusive activity, excavation, or construction were observed at the Site and no significant site cover erosion was identified.

Since there are no new occupied structures at the Site, indoor air quality monitoring is not currently required. The Annual Site Inspection form is included as Appendix B.

2.5 Well Network Assessment

The well network assessment was performed on October 7, 2024 and included assessing each well for the presence of NAPL, missing/needed bolts, curb box condition, J-plugs, locks, and general condition. Wells comprising the network are divided into two programs: (1) the NAPL Monitoring Program; or (2) the Groundwater Monitoring Program. The wells comprising these two programs are shown on Figure 2. Table 1 presents the well gauging results and inspection notes. In addition to the wells comprising the two programs noted above, 13 additional “non-SMP” monitoring wells exist at the Site. While monitoring of these wells is not required by the SMP, they have historically been monitored for water level and total depth and water-level data for some of wells are used to assess groundwater flow conditions. Gauging results for these wells are also presented in Table 1.

Photographs of the wells taken during the Site inspection are included in Appendix C. Arcadis completed all well maintenance recommendations per the 2021 Periodic Review Report (PRR; AECOM 2021) and summarized in the 2023 Annual Report were completed during the 2024 well rehabilitation event.

2.5.1 NAPL Monitoring Program

The current NAPL Monitoring Program consists of the following ten monitoring wells: TW-1, TW-2I, TW-3, MW-1I, MW-1D, MW-10D, MW-33D, MW-35I, MW-42D, and MW-45I. The SMP includes two additional monitoring wells (MW-34D and MW-44I), however, monitoring well MW-34D has been decommissioned and well MW-44I was destroyed (as reported by AECOM [2023a]) and the wells are no longer part of the NAPL monitoring program. The NPL monitoring well assessment of identified the following:

- MW-17 had one broken eyelet.
- MW-20D was missing a J-plug.
- MW-39D had two broken bolt holes.

Arcadis plans to address the items above during the spring of 2025.

2.5.2 Groundwater Monitoring Program

The additional Site wells inspected during the non-SMP well network review identified the following:

- MW-10 has an obstruction at approximately seven feet below ground surface.
- MW-13, MW-30S, MW-30D, and MW-32D were missing locks.
- MW-29IR has a cracked J-plug.

Arcadis plans to address the items above during the spring of 2025.

2.5.3 Other Activities Performed

A well rehabilitation and decommissioning event took place on April 22 to May 3, 2024 based on the recommendations included in the 2021 PRR and Well Network Assessment. The well rehabilitation included well redevelopment by surging and pumping. Where applicable, well covers were removed and replaced including new materials for wells as needed.

The following wells were rehabilitated, redevelopment by surging and pumping:

- MW-1
- MW-13,
- MW-17I,
- MW-25I,
- MW-35I,
- MW-38I,
- MW-45I,
- MW-46I,
- TW-2S.

Additional maintenance items:

- MW-1, j-plug also replaced;
- MW-17I, following locating the well, installed curb box and new j-plug;
- MW-25I, a new concrete pad and protective casing;
- MW-35I, a new j-plug was installed following the event;
- MW-38I, was over drilled and redeveloped including installation of a new concrete pad and casing;
- MW-45I, the curb box was replaced;
- MW-46I, the curb box was replaced;
- TW-2S, was over drilled and well installed, redeveloped well with 2'' PVC well built.

TW-2I was unable to be located, prior to the well rehabilitation and decommissioning event. It was suspected to be buried underneath riprap or asphalt. During the April 2024 event, Arcadis was able to locate TW-2I underneath asphalt. The well was built up to prevent re-burial.

MW-10 was not able to be rehabilitated, there was a blockage roughly 7 feet below grade. MW-42D was also not able to be redeveloped due to the property owner not allowing access to the well.

A total of five monitoring wells (MW-12, MW-12S, MW-18, MW-25S, and MW-40D) were decommissioned via the grouting in-place method presented in NYSDEC's guidance CP-43 Groundwater Monitoring Well Decommissioning Policy (NYSDEC, 2009). Stick-up risers and curb boxes were also removed at the well locations (if present).

In addition, general well maintenance was completed including replacing J-plugs, bolts, and curb boxes as needed. Further details regarding the well rehabilitation and decommissioning will be documented in the updated SMP.

The wells on Site were surveyed by M.J. Engineering, Architecture, Landscape Architecture, and Land Surveying, P.C on October 7 and 8, 2024. In addition to the wells, a bridge marking (BM1) was surveyed to provide an elevation gauging location for the Anthony Kill. The groundwater potentiometric map is updated to include BM1.

3 NAPL Monitoring and Recovery

The NAPL Monitoring Program contained in the SMP identifies that the following wells be monitored for the presence of NAPL:TW-1, MW-1D, MW-1I, TW-2I, TW-3, MW-10D, MW-33D, MW-34D, MW-35I, MW-42D, MW-44I, and MW-45I. As noted in annual monitoring reports (AECOM 2023a, Arcadis 2024), wells MW-34D and MW-44I no longer exist and are no longer part of the NAPL monitoring program. As identified above, NYSEG is currently updating the SMP, including the above list of NAPL monitoring wells. The remaining wells were gauged to assess NAPL presence and thickness. In addition, all other accessible Site wells were also gauged for NAPL as part of the non-SMP monitoring well inspection.

Unless emulsified, coal tar NAPL is typically denser than water and therefore over time can accumulate at the bottom of a monitoring well. A probe was lowered to the bottom of the well to measure the accumulated NAPL thickness in each well. The probe was then removed from the well and the length of NAPL present on the probe, inferred to represent the NAPL thickness in the well, was measured.

A measurable thickness of NAPL was identified in two wells (MW-10D and MW-35I), which contained approximately six inches and two inches of NAPL, respectively. Approximately one gallon of NAPL and water was removed from well MW-10D and containerized. Traces of NAPL, identified as NAPL droplets on the probe, were observed at the following wells: TW-1, TW-2I, TW-3, MW-1I, MW-1D, MW-10D, MW-13, MW-30D, MW-30S, MW-33D, and MW-35I. None of the other wells monitored contained measurable NAPL. Figure 3 shows the thickness of NAPL measured in each well in the NAPL Monitoring Program during the October 2024 gauging event. Table 2 summarizes NAPL thickness monitoring data from June 2016 through October 2024. Please note that the word “trace” as used on Figure 3 and in Table 2 is defined as a thickness of less than one inch.

4 Groundwater Monitoring

The groundwater monitoring program, as specified in the SMP, is a long-term plan to monitor the quality of groundwater and groundwater flow conditions both onsite and offsite (AECOM 2011). The program is summarized below:

Frequency	Monitoring Locations		Measurements/Analysis
Once every two years[1]	TW-2S	MW-36I	• Water levels • Field Parameters (dissolved oxygen, oxygen reduction potential, turbidity, temp) • Volatile organic compounds – Method 8260 • Semi-volatile organic compounds – Method 8270 • Cyanide (total) – Method 9012
	MW-2	MW-36D	
	MW-2I	MW-38I	
	MW-17	MW-38D	
	MW-17I	MW-39D	
	MW-17D	MW-46I	
	MW-20D		
	MW-34D		

Groundwater monitoring will continue until the results meet the groundwater Site Cleanup Goals[2] for at least two consecutive sampling events; however, ceasing the groundwater monitoring program will be made in consultation with the NYSDEC (AECOM 2011).

Because groundwater was sampled in 2023, and the sampling frequency is once every two years, no sampling was conducted in 2024; therefore, groundwater monitoring activities conducted under the SMP during 2024 were limited to measuring groundwater depths in all accessible monitoring wells. In addition to measuring water levels, Arcadis gauged all the monitoring wells contained in the groundwater monitoring program for the presence of NAPL. Those data are also discussed in the following subsection.

4.1 Water-Level Measurement and Groundwater Movement

A synoptic round of water level measurements was collected on October 7, 2024. Monitoring well MW-10I was gauged on October 8, 2024. Water-level data are provided in Table 1. Consistent with the previous Annual Report (Arcadis 2024), Arcadis converted the water levels to elevations[3] and prepared two potentiometric surface maps, one for the shallow and intermediate zones (Figure 4) and one for the deep zone (Figure 5).

The potentiometric surfaces presented on Figures 4 and 5 show that groundwater in these zones moves towards the Anthony Kill. This interpretation was based on a review of historical water-level data and potentiometric

[1] Water levels are measured annually.
[2] Cleanup goals are based on NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS/GV).
[3] Elevations referenced to the National Geodetic Vertical Datum of 1929.

mapping, as well as other historical Site information and professional judgment. As noted on Figure 5, measurements from three monitoring wells (MW-1D, MW-17D, and MW-33D) were interpreted to be anomalous and were not used in contouring. Potential explanations for the anomalous readings include:

- Potential introduction of stormwater to the wells through leaking or missing well caps. This could result in anomalously high-water levels, particularly for wells that screen intervals of low hydraulic conductivity.

5 Summary, Conclusions, and Recommendations

The findings of the 2024 monitoring event are summarized as follows:

- The Site perimeter fence is in good condition.
- The southern bank of the Anthony Kill (where soil removal was performed) appeared stable with healthy vegetation present. After probing, a sheen was observed on the water surface.
- The Site usage and conditions are consistent with those observed in 2023. The soil cover did not show signs of significant erosion and no new buildings were identified.
- Measurable NAPL was identified in well MW-10D with a thickness of approximately six inches and well MW-35I with a thickness of two inches. Approximately 1.0 gallons of NAPL and water mixture was removed from well MW-10D.
- Following well inspection from 2023, the well issues noted were addressed during the well rehabilitation event in 2024.

Based on the results of the annual monitoring event, it can be concluded that:

- Activities required to be performed in the SMP were successfully completed in 2024.
- Areas of Anthony Kill sediments where NAPL was historically observed remain free of NAPL. After probing, a sheen was observed on the water surface. Once the sheen dissipated, no additional areas of sheen were noted during inspection. The observations are consistent with past streambank and creek observation events with the most recent observation of sheen identified on September 27 and September 30, 2022 (AECOM 2023a).
- The remedy remains effective in protecting the public health and environment.

The following recommendations are provided:

1. Update the SMP to reflect current conditions, including the recommendations provided in the PRR (AECOM 2021). This work is underway. When completed, NYSEG will submit the draft, revised SMP to the NYSDEC for approval.
2. Continue Site monitoring and inspections in accordance with the updated SMP.
3. Discontinue annual streambank monitoring as the conditions and schedule contained in the SMP have been met.
4. Replace padlocks, J-plugs, and other materials for all wells where the materials were found to be missing in spring 2025.

6 References

AECOM. 2011. *Site Management Plan*, Mechanicville Central Ave Former MGP Site, Mechanicville, NY NYSDEC Site # 5-46-033.

AECOM. 2021. *Periodic Review Report: March 2016 – March 2021*, Mechanicville Central Avenue Former MGP Site, Mechanicville, New York, NYSDEC Site: 546003.

AECOM. 2023a. Letter from T. Raby and C. Floess (AECOM) to J. Spellman (NYSDEC). Re: Annual Monitoring Report 2022, Mechanicville Central Avenue Former MGP Site, Mechanicville, New York (NYSDEC Site: 546033).

Arcadis. 2024. Annual Monitoring Report, 2023 Mechanicville Central Avenue Former MGP Site. Prepared for New York State Electric and Gas. November 2024.

Tables

TABLE 1
GROUNDWATER GAUGING TABLE
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
SMP Monitoring Plan Locations - NAPL Monitoring									
TW-1	10/7/2024	74.64	24 - 75^	89.77	9.62	80.15	Y	Trace	Well in good condition. NAPL not measurable.
	10/09/2023	75.00		89.33	9.42	79.91	Y	Trace	Globs of NAPL, no bolts, J-plug sitting on top
	9/27/2022	73.80			8.95	80.38	Y	15.6	10.3 gallons of NAPL/water mixture removed
	9/27/2021	75.00			8.23	81.10	N	0	No NAPL removed during this event. Well in good condition.
	7/26/2021	75.16			8.44	80.89	N	0	2021 Well Inspections - Well in good condition. No odor noted.
	10/13/2020	78.50			9.35	79.98	Y	2	No NAPL removed during this event.
	9/10/2019	89.33			9.20	80.13	Y	12	15 gallons of NAPL/water mixture removed.
	8/31/2018	78.48			8.91	80.42	Y	18	14 gallons of NAPL/water mixture removed.
	6/29/2017	89.33			8.90	80.43	Y	1.5	No NAPL removed during this event.
	6/29/2016	--			10.56	78.77	Y	1.75	No NAPL removed during this event.
TW-2I	10/07/2024	76.39	30 - 75^	88.57	4.54	84.03	Y	Trace	Well in good condition. NAPL not measurable.
	10/09/2023	--		87.00	--	--	--	--	Unable to locate well. Suspected to be buried under rip rap.
	9/27/2022	--			--	--	--	--	Unable to locate well. Suspected to be buried under rip rap.
	9/27/2021	--			--	--	--	--	Unable to locate well. Suspected to be buried under rip rap.
	7/26/2021	--			--	--	--	--	2021 Well Inspections - Unable to located well. Suspected to be buried under rip rap.
	10/13/2020	74.90			0.00	87.00	N	0	No NAPL removed during this event; Water level at top of casing.
	9/10/2019	87.00			8.70	78.30	N	0	No NAPL removed during this event.
	8/31/2018	24.99			8.85	78.15	N	0	No NAPL removed during this event; Bent casing noted.
	6/29/2017	--			8.90	78.10	N	0	No NAPL removed during this event.
	6/29/2016	75.00			9.76	77.24	Y	2	No NAPL removed during this event.
TW-3	10/07/2024	74.67	15 - 75^	87.826	8.98	78.85	Y	Trace	Well in good condition. NAPL not measurable.
	10/09/2023	73.90		87.15	8.39	78.76	N	0	Missing one bolt.
	9/27/2022	--			--	--	N	0	--
	9/27/2021	74.30			7.51	79.64	N	0	No NAPL removed during this event. Well in good condition. Only 1 bolt on casing, 3/4" bolt. Located in grass.
	7/26/2021	75.10			7.84	79.31	N	0	2021 Well Inspections - No NAPL removed during this event. Well in good condition. Only 1 bolt on casing. 3/4" bolt. Located in grass. No odor noted.
	10/14/2020	78.12			8.85	78.30	N	0	No NAPL removed during this event.
	9/10/2019	87.15			8.85	78.30	N	0	No NAPL removed during this event.
	8/31/2018	78.13			7.81	79.34	N	0	No NAPL removed during this event.
	6/29/2017	87.15			8.45	78.70	N	0	No NAPL removed during this event.
	6/29/2016	75.00			9.26	77.89	N	0	No NAPL removed during this event.
MW-1D	10/07/2024	155.09	121 - 155.2^	91.356	0.20	91.16	Y	Trace	NAPL not measurable.
	10/09/2023	155.99		90.46	0.00	90.46	Y	Trace	Blobs of NAPL on tape, sheen on top, no bolts.
	9/27/2022	158.74			0.82	89.64	N	0	Possible NAPL Sheen. No NAPL removed during this event. Well in good condition.
	9/27/2021	155.00			8.49	81.97	N	0	No NAPL removed during this event. Well in good condition.
	7/26/2021	155.00			8.69	81.77	N	0	2021 Well Inspections - No NAPL removed during this event. Well in good condition.
	10/13/2020	155.00			9.47	80.99	N	0	No NAPL removed during this event.
	9/10/2019	90.46			9.31	81.15	N	0	No NAPL removed during this event.
	8/31/2018	160.29			1.00	89.46	N	0	No NAPL removed during this event.
	6/29/2017	90.46			8.65	81.81	N	0	No NAPL removed during this event.
	6/29/2016	155.00			9.76	80.70	N	0	No NAPL removed during this event.
MW-10D	10/07/2024	113.84	82 - 114^	93.43	12.30	81.13	Y	6	No bolts.
	10/09/2023	113.10		92.73	11.96	80.77	Y	2	No J-plug, 2 bolts.
	9/27/2022	113.31			12.09	80.64	Y	2	Suspended NAPL in deeper portion of well, <6", ~ 2 in of DNAPL on bottom. No J-plug. No NAPL removed during this event.
	9/27/2021	113.30			11.81	80.92	Y	2	Well in good condition. Only 2 bolts on casing. No PVC cap. No odor. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	7/26/2021	83.64			11.92	80.81	Y	2	2021 Well Inspections - Well in good condition. Only 2 bolts on casing. No PVC cap. No odor. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	10/14/2020	83.63			12.36	80.37	Y	0.25	No NAPL removed during this event.
	9/10/2019	92.73			11.82	80.91	Y	1.5	No NAPL removed during this event.
	8/31/2018	83.11			12.23	80.50	Y	20.25	3 gallons of NAPL/water mixture removed.
	6/29/2017	92.73			7.72	85.01	Y	1.5	No NAPL removed during this event.
	6/29/2016	114.00			10.62	82.11	Y	1.5	No NAPL removed during this event.

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MECHANICVILLE, NEW YORK

Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
MW-33D	10/07/2024	144.23	119.7 - 140.5^	94.52	6.33	88.19	Y	Trace	No bolts.
	10/09/2023	139.62		93.83	8.08	85.75*	N	0	No bolts.
	9/27/2022	147.47			5.56	88.27	N	0	No NAPL removed during this event. Well in good condition.
	9/27/2021	139.15			11.81	82.02	N	0	No NAPL removed during this event. Well in good condition. No bolts. Soft bottom. No odor noted. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	7/26/2021	135.00			10.80	83.03	N	0	2021 Well Inspections - No NAPL removed during this event. Well in good condition. No bolts. Soft bottom. No odor noted. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	10/13/2020	84.85			13.57	80.26	Y	0.25	No NAPL removed during this event.
	9/10/2019	93.83			12.50	81.33	Y	0.5	No NAPL removed during this event.
	8/31/2018	118.69			13.55	80.28	N	0	No NAPL removed during this event.
	6/29/2017	93.83			13.12	80.71	Y	Trace	No NAPL removed during this event.
	6/29/2016	141.00			14.25	79.58	N	0	No NAPL removed during this event.
MW-34D	10/09/2023	--	--	--	--	--	--	--	Decommissioned.
	9/27/2022								
	9/27/2021								
	10/13/2020								
	9/10/2019								
	8/31/2018								
	6/29/2017								
	6/29/2016								
MW-35I	10/07/2024	36.62	12.5 - 38^	81.236	5.79	75.446	Y	2	Well in good condition.
	10/09/2023	34.71		80.43	4.93	75.50	Y	Trace	No bolts, NAPL observed.
	9/27/2022	34.04			5.01	75.42	Y	0	No NAPL removed during this event. NAPL present, unsaturated.
	9/27/2021	35.34			4.45	75.98	Y	3.5	No NAPL removed during this event. Odor noted. Well located under boat in automotive salvage area. Very tight access. Inside casing covered in NAPL staining. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	7/26/2021	35.33			4.93	75.50	N	0	2021 Well Inspections - Well located under boat in automotive salvage area. Very tight access. Inside casing covered in NAPL staining. No bolts. Odor noted. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	10/14/2020	35.32			7.54	72.89	Y	4	No NAPL removed during this event.
	9/10/2019	80.43			6.18	74.25	Y	18	20 gallons of NAPL/water mixture removed.
	8/31/2018	--			--	--	--	--	Well was unable to be located.
	6/29/2017	80.43			--	--	--	--	
	6/29/2016	38.00			--	--	--	--	Well was unable to be located.
MW-42D	10/07/2024	--	--	--	--	--	--	--	No access to well.
	10/09/2023	171.37	140 - 175^	93.45	6.99	86.46	N	0	No J-plug, no curb box, covered by rock on soil.
	6/27/2022	175.45			1.68	91.77*	N	0	No casing cover or J-plug on PVC.
	9/27/2021	174.00			1.45	92.00	N	0	No NAPL removed during this event. No casing.
	7/26/2021	165.00			2.71	90.74	N	0	2021 Well Inspections - No Casing.
	10/13/2020	--			--	--	--	--	Could not locate well; Requires further investigation.
	9/10/2019	93.45			12.35	81.10	Y	1	No NAPL removed during this event.
	8/31/2018	144.14			12.57	80.88	Y	1	No NAPL removed during this event.
	6/29/2017	93.45			12.15	81.30	Y	5	No NAPL removed during this event.
	6/29/2016	175.00			13.35	80.10	Y	5	No NAPL removed during this event.
MW-44I	10/09/2023	--	--	87.37	--	--	--	--	Well noted to be destroyed.
	9/27/2022								Well noted to be destroyed.
	9/27/2021								Well noted to be destroyed.
	10/14/2020								Well noted to be destroyed.
	9/10/2019								Well noted to be destroyed.
	8/31/2018								Well noted to be destroyed.
	6/29/2017								Well was unable to be located.
	6/29/2016								Well not accessible.

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MECHANICVILLE, NEW YORK

Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
MW-45I	10/07/2024	74.61	23.5 - 75^	89.41	9.55	79.86	Y	Trace	Well in good condition. NAPL not measurable.
	10/09/2023	74.05		88.83	9.08	79.75	N	0	No bolts.
	9/27/2022	73.50			8.66	80.17	Y	39.6	18.4 gallons of NAPL/water mixture removed
	9/27/2021	74.30			7.56	81.27	Y	Blebs	No NAPL removed during this event. Only accessible by removing whole casing cover. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	7/26/2021	73.27			7.84	80.99	Y	5	2021 Well Inspections - No NAPL removed during this event. Only accessible by removing whole casing cover. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	10/14/2020	74.22			9.12	79.71	Y	5	No NAPL removed during this event.
	9/10/2019	88.83			8.65	80.18	Y	8	10 gallons of NAPL/water mixture removed.
	8/31/2018	74.21			8.00	80.83	Y	48	19 gallons of NAPL/water mixture removed.
	6/29/2017	88.83			8.17	80.66	Y	1.5	No NAPL removed during this event.
	6/29/2016	75.00			9.85	78.98	Y	3.5	No NAPL removed during this event.
SMP Monitoring Plan Locations - Gauged and Sampled in Alternating Years (next scheduled for 2025)									
TW-2S	10/7/2024	28.31	18 - 28^	87.77	9.05	78.72	N	0	No bolts.
	10/09/2023	23.18		86.34	7.69	78.65	N	0	No J-Plug or bolts, pipe crushed, tubing inside well.
	9/27/2022	25.15			7.60	78.74	N	0	No J-Plug or bolts.
	9/27/2021	23.90			6.45	79.89	N	0	6" well located in riprap. No bolts. Inner PVC crushed approx. 2 ft bTOC, well still accessible by water level meter and tubing. Soft bottom. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	7/26/2021	25.17			7.19	79.15	N	0	2021 Well Inspections - 6" well located in riprap. No bolts. Inner PVC crushed approx. 2 ft bTOC, well still accessible by water level meter and tubing. Soft bottom. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/10/2019	74.91			8.90	77.44	N	0	Petroleum odor observed as well as brown hue in the water.
	6/29/2017	--			8.90	77.44	N	0	--
MW-2	10/07/2024	13.94	11.2 - 14.35	89.21	6.45	82.76	N	0	Well in good condition.
	10/09/2023	13.93		88.75	6.17	82.58	N	0	No J-plug or bolts.
	9/27/2022	13.75			5.59	83.16	N	0	No J-Plug. Obstruction at 13.75.
	9/27/2021	13.99			5.02	83.73	N	0	Well in good condition. 1/2" bolts. Sediment observed early in purging, before clearing. No odor or sheen noted.
	7/26/2021	13.99			5.31	83.44	N	0	2021 Well Inspections - Well in good condition.
	9/10/2019	16.20			6.03	82.72	N	0	No odor or sheen noted.
	6/29/2017	14.00			5.78	82.97	N	0	No odor or sheen noted.
MW-2I	10/07/2024	31.96	11.28 - 32.2^	89.27	6.27	83.00	N	0	Good condition
	10/09/2023	32.01		88.75	0.60	88.15*	N	0	Soft bottom, no J-plug or bolts.
	9/27/2022	33.03			5.72	83.03	N	0	No J-Plug. No odor or sheen noted.
	9/27/2021	31.80			5.10	83.65	N	0	Well in good condition. 1/2" bolts. No odor or sheen noted.
	7/26/2021	32.00			5.11	86.55	N	0	2021 Well Inspections - Well in good condition. 1/2" bolts. No odor or sheen noted.
	9/10/2019	32.20			5.85	82.90	N	0	Slight odor observed, some particles noted within the discharge.
	6/29/2017	32.11			4.02	84.73	N	0	No sheen noted. Slight metallic odor.
MW-17	10/07/2024	21.62	13 - 23	94.18	14.01	80.17	N	0	One bolt missing, one eyelit broken.
	10/09/2023	21.59		93.53	6.01	87.52*	N	0	Two missing bolts, no J-plug, water around pipe.
	9/27/2022	21.24			13.29	80.24	N	0	Well in good condition.
	9/27/2021	21.65			13.01	80.52	N	0	Well in good condition. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). High amounts of sediment observed during purging, but discharge cleared at the end. No odor or sheen noted.
	7/26/2021	21.73			13.02	80.51	N	0	2021 Well Inspections - Well in good condition. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). High amounts of sediment observed during purging, but discharge cleared at the end. No odor or sheen noted.
	9/10/2019	21.83			13.72	79.81	N	0	Slight petroleum odor noted. No sheen observed.
	6/29/2017	21.63			13.37	80.16	N	0	No odor or sheen noted. Discharge was initially turbid, but cleared up.
MW-17I	10/07/2024	44.86	23 - 45^	93.71	14.34	79.37	N	0	Good condition
	10/09/2023	--		93.10	--	--	--	--	Well was paved over.
	9/27/2022	--			--	--	--	--	Well was paved over.
	9/27/2021	45.10			12.52	80.58	N	0	Well in good condition. J-plug comes loose with difficulty. No odor or sheen noted.
	7/26/2021	45.10			12.91	80.19	N	0	2021 Well Inspections - J-plug comes loose with difficulty. No odor or sheen noted.
	9/10/2019	93.20			14.15	78.95	N	0	Slight odor, no sheen noted.
	6/29/2017	45.00			13.25	79.85	N	0	No odor or sheen noted.

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Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
MW-17D	10/07/2024	138.29	121 - 142.5^	92.76	8.32	84.44	N	0	Good condition.
	10/09/2023	138.88		93.29	3.31	89.98*	N	0	Not bolted, no J-plug, and tubing inside.
	9/27/2022	139.04			0.20	93.09	N	0	Flooded. Flush mount top doesn't fit on casing. 2" PVC loose in 6" steel casing. No J-plug. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/27/2021	138.85			8.40	84.89	N	0	Flush mount top doesn't fit on casing. 2" PVC loose in 6" steel casing. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). No odor or sheen noted.
	7/26/2021	140.50			8.63	84.66	N	0	2021 Well Inspections - Flush mount top doesn't fit on casing. 2" PVC loose in 6" steel casing. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/10/2019	138.23			4.61	88.68	N	0	No odor or sheen noted.
	6/29/2017	138.45			8.12	85.17	N	0	Light sedimentation present. No odor or sheen noted.
MW-20D	10/07/2024	111.86	90 - 110.1^	97.06	14.97	82.09	N	0	No lock, no plug
	10/09/2023	111.75		96.37	14.71	81.66	N	0	No J-plug.
	9/27/2022	111.89			14.92	81.45	N	0	No odor or sheet noted.
	9/27/2021	111.90			14.26	82.11	N	0	Access difficult. Located in overgrown field. Mud wasp nest in tubing inside well. Black colored water observed during purge. No odor noted.
	6/26/2021	113.00			13.91	82.46	N	0	2021 Well Inspections - Access difficult. Located in overgrown field. Mud wasp nest in tubing inside well.
	9/10/2019	111.59			15.51	80.86	N	0	No odor or sheen noted.
	6/29/2017	111.79			13.95	82.42	N	0	No odor or sheen noted.
MW-34D	10/09/2023	--	--	--	--	--	--	--	Decommissioned.
	9/27/2022								
	9/27/2021								
	9/10/2019								
	6/29/2017								
MW-36I	10/07/2024	45.27	20 - 45^	94.97	12.13	82.84	N	0	No bolts.
	10/09/2023	45.14		94.20	11.78	82.42	N	0	Not bolted.
	9/27/2022	44.71			11.62	82.58	N	0	Well in good condition. No odor or sheen noted.
	9/28/2021	45.30			11.30	82.90	N	0	Well in good condition. No bolts. No odor or sheen noted.
	7/26/2021	45.13			11.16	83.04	N	0	2021 Well Inspections - Well in good condition. No bolts.
	9/10/2019	44.95			10.90	83.30	N	0	No odor or sheen noted.
	6/29/2017	45.05			10.32	83.88	N	0	No odor or sheen noted.
MW-36D	10/07/2024	160.52	140 - 161^	94.93	11.83	83.10	N	0	Missing 2 bolts.
	10/09/2023	162.63		94.22	11.46	82.76	N	0	One bolt missing.
	9/27/2022	161.76			11.25	82.97	N	0	Well in good condition. No odor or sheen noted.
	9/27/2021	150.30			10.92	83.30	N	0	Well in good condition. Only 2 bolts. No odor or sheen noted.
	6/26/2021	161.90			10.51	83.71	N	0	2021 Well Inspections - Well in good condition. Only 2 bolts.
	9/10/2019	169.75			11.30	82.92	N	0	Latex' odor noted, no sheen observed.
	6/29/2017	>150			10.73	83.49	N	0	No odor or sheen noted.
MW-38I	10/07/2024	119.52	90 - 120^	79.07	6.48	72.59	N	0	Good condition.
	10/09/2023	97.42		78.66	3.89	74.77	N	0	No curb box, no J-plug, hole filled with dirt.
	9/27/2022	100.39			6.50	72.16	N	0	No casing cover or J-plug on PVC. No odor or sheen noted.
	9/27/2021	100.50			5.50	73.16	N	0	No casing cover or J-plug on PVC. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). No odor or sheen noted.
	6/26/2021	100.30			5.88	72.78	N	0	2021 Well Inspections - No casing cover or J-plug on PVC. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/10/2019	174.42			6.65	72.01	N	0	Petroleum odor, no sheen observed.
	6/29/2017	100.61			6.21	72.45	N	0	Slight - moderate sulfuric odor, no sheen noted.
MW-38D	10/07/2024	169.89	150 - 170.1^	79.35	6.54	72.81	N	0	No bolts.
	10/09/2023	171.13		78.64	5.68	72.96	N	0	No bolts.
	9/27/2022	169.85			5.05	73.59	N	0	Well in good condition. No odor or sheen noted.
	9/27/2021	169.10			5.26	73.38	N	0	Well in good condition. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). No odor or sheen noted.
	7/26/2021	169.13			5.67	72.97	N	0	2021 Well Inspections - Well in good condition. No bolts. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/10/2019	170			6.35	72.29	N	0	No odor or sheen noted.
	6/29/2017	>150			5.98	72.66	N	0	No odor or sheen noted.

TABLE 1
GROUNDWATER GAUGING TABLE
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
MW-39D	10/07/2024	145.25	130.4 - 150.4^	92.59	16.06	76.53	N	0	Two bolt holes broken on cap.
	10/09/2023	144.61		91.90	15.76	76.14	N	0	No bolts.
	9/27/2022	145.14			15.51	76.39	N	0	Well in good condition. No odor or sheen noted.
	9/27/2021	146.00			15.14	76.76	N	0	Well in good condition. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation). No odor or sheen noted.
	6/26/2021	144.92			14.60	77.30	N	0	2021 Well Inspections - Well in good condition. Well depth reduced from initial installation depth - requires rehabilitation (incl. pumping to remove sedimentation).
	9/10/2019	144.94			15.60	76.30	N	0	No odor or sheen noted.
	6/29/2017	144.92			15.55	76.35	N	0	Sulfuric odor, no sheen noted.
MW-40D	10/07/2024	--	--	--	--	--	--	--	Decommissioned.
	10/09/2023	169.60	140 - 170	93.95	12.91	81.04	N	0	One bolt.
	9/27/2022	169.59			12.53	81.42	N	0	No odor or sheen noted.
	9/27/2021	85.01			12.13	81.82	--	--	No casing cover or J plug on PVC. Grass growing inside casing, outside PVC. Located on sidewalk along N Central Avenue. Well depth significantly reduced from initial installation depth - requires rehabilitation (inc. pumping to remove sedimentation). Well not sampled due to condition.
	7/26/2021	85.00			12.17	81.78	N	0	2021 Well Inspections - No casing cover or J plug on PVC. Grass growing inside casing, outside PVC. Located on sidewalk along N Central Avenue. Well depth significantly reduced from initial installation depth - requires rehabilitation (inc. pumping to remove sedimentation).
	9/10/2019	179			12.96	80.99	N	0	No odor or sheen noted.
	6/29/2017	>150			12.54	81.41	N	0	No odor or sheen noted.
MW-46I	10/07/2024	71.12	16.5 - 75^	90.17	12.02	78.15	N	0	Good condition
	10/09/2023	--		87.93	--	--	--	--	Well is buried in either gravel or paved over (unable to be gauged).
	9/27/2022	--			--	--	--	--	Well is buried in either gravel or paved over (unable to be gauged).
	9/27/2021	--			--	--	--	--	Well buried under approximately 15 inches of gravel and was blocked (unable to be gauged). A temporary road box was placed over the well for protection. Not gauged or sampled in September 2021.
	9/10/2019	74.84			9.10	78.83	N	0	No odor or sheen noted.
	6/29/2017	--			--	--	--	--	--
Additional Locations - Gauged 2021-2024									
TW-4	10/07/2024	73.52	15-75^	87.846	9.73	78.116	N	0	Well in good condition
	10/09/2023	73.19		87.17	9.06	78.11	N	0	Well in good condition.
	9/27/2022	76.18			9.30	77.87	N	0	Well in good condition
	7/26/2021	74.01			8.54	78.63	N	0	2021 Well Inspections - Well in good condition.
MW-1	10/07/2024	15.93	11.6 - 16.85	91.56	9.63	81.93	N	0	Well in good condition.
	10/09/2023	15.05		90.84	9.28	81.56	N	0	Well in good condition
	9/27/2022	14.78			3.09	87.75	N	0	--
MW-1I	10/07/2024	47.42	45 - 75^	91.26	10.34	80.92	Y	Trace	NAPL not measurable.
	10/09/2023	--		90.62	9.93	80.69	--	--	Obstruction at 51.34, possible pump apparatus in well.
	9/27/2022	72.90			9.35	81.27	Y	102	8.5 ft of Saturated NAPL, 58 ft of suspended NAPL; 35.8 gallons of NAPL/water mixture removed.
	7/26/2021	--			9.16	81.46	Y	96	2021 Well Inspections - Well uncovered under crushed stone 9/29/21 and gauged; Well in good condition.
MW-10	10/07/2024	6.93	8.7 - 19.5	92.38	Dry	--	N	0	Could not advance beyond 6.93'.
	10/09/2023	--		91.66	--	--	N	0	Obstruction at 6.79 ft bgs.
	9/27/2022	--			--	--	N	0	Not Measured. Obstruction at approximately 6.5 ft bgs. No J-Plug.
	9/27/2021	91.66			Dry	--	N	0	PVC noted to be crushed at approx. 6.89 ft below surface.
MW-10I	10/08/2024	41.86	22 - 43^	92.91	12.43	80.48	N	0	Missing one bolt.
	10/09/2023	41.97		92.21	12.04	80.17	N	0	Well in good condition.
	9/27/2022	43.20			11.60	80.61	N	0	Well in good condition.
	9/27/2021	42.00			11.19	81.02	N	0	Well in good condition.
	7/26/2021	42.15			11.29	80.92	N	0	2021 Well Inspections - Well in good condition.
MW-12	10/07/2024	--	--	--	--	--	--	--	Decommissioned.
	10/09/2023	26.44	14.5 - 25.5	95.95	15.72	80.23	Y	Trace	Trace NAPL on bottom.
	9/27/2022	26.20			15.33	80.62	N	0	No. J-Plug; otherwise well in good condition.
	9/27/2021	26.50			15.13	80.82	N	0	Well in good condition.
	7/26/2021	25.54			15.20	80.75	N	0	2021 Well Inspections - Well in good condition.
MW-12S	10/07/2024	--	--	--	--	--	--	--	Decommissioned.
	10/09/2023	29.04	11 - 26	95.97	15.96	80.01	N	0	No lock on well.
	9/27/2022	28.80			15.44	80.53	N	0	Well in good condition.
	9/27/2021	29.15			14.95	81.02	N	0	Well in good condition.
	7/26/2021	28.75			15.10	80.87	N	0	2021 Well Inspections - Well in good condition.

TABLE 1
GROUNDWATER GAUGING TABLE
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

Well ID	Date Gauged	Total Depth (ft bTOC)	Screen Interval/Open Hole (ft bTOC)	Reference Elevation (TOC)	Depth to Water (ft bTOC)	Groundwater Elevation	NAPL Observed (Y/N)	NAPL Thickness (in)	Notes
MW-13	10/07/2024	48.35	44.7 - 55.5	96.75	16.63	80.12	Y	Trace	Missing lock. NAPL not measurable.
	10/09/2023	48.21		96.04	16.25	79.79	Y	Trace	Trace NAPL on bottom.
	9/27/2022	47.85			15.75	80.29	N	0	Well in good condition.
	9/27/2021	48.17			15.31	80.73	N	0	Well in good condition.
	7/26/2021	54.13			15.17	80.87	N	0	2021 Well Inspections - Well in good condition.
MW-15IR	10/07/2024	74.86	16 - 75^	88.13	9.30	78.83	N	0	Well in good condition.
	10/09/2023	75.00		87.47	8.84	78.63	N	0	Sediment present on probe
	9/27/2022	78.52			8.51	78.96	N	0	Well in good condition.
	9/27/2021	75.00			7.62	79.85	N	0	Well in good condition; Bolt replacement needed.
	9/27/2022	75.10			8.10	79.37	N	0	2021 Well Inspections - Well in good condition. Bolt replacement needed.
MW-18	10/07/2024	--	--	--	--	--	--	--	Decommissioned.
	10/09/2023	36.92	28 - 38	93.54	13.67	79.87	N	0	No J-plug, lid loose, one bent bolt.
	9/27/2022	35.10			13.22	80.32	N	0	Only accessible by removing whole casing cover; Repair needed. No J-plug.
	9/27/2021	37.10			12.92	80.62	N	0	Only accessible by removing whole casing cover; Repair needed.
	7/26/2021	37.65			12.89	80.65	N	0	2021 Well Inspections - Only accessible by removing whole casing cover; Repair needed.
MW-22-IR	10/07/2024	75.06	16-75^	87.74	8.86	78.88	N	0	Missing one bolt.
	10/09/2023	71.86		87.05	8.23	78.82	N	0	Well in good condition
	9/27/2022	77.87			8.39	78.66	N	0	Well in good condition.
	7/26/2021	75.50			7.72	79.33	N	0	2021 Well Inspections - Well in good condition.
MW-25I	10/07/2024	45.75	27 - 47^	95.27	15.16	80.11	N	0	Well in good condition.
	10/09/2023	46.85		88.74	16.58	72.16	N	0	No J-Plug. Lock had to be cut.
	9/27/2022	31.46			16.06	72.68	N	0	Well in good condition; Stick up bent slightly.
	9/27/2021	47.35			15.60	73.14	N	0	Well in good condition; Stick up bent slightly.
	7/26/2021	47.35			15.69	73.05	N	0	2021 Well Inspections - Well in good condition; Stick up bent slightly.
MW-25S	10/07/2024	--	--	--	--	--	--	--	Decommissioned.
	10/09/2023	24.89	11-16	96.03	15.74	80.29	N	0	Well in good condition
	9/27/2022	24.41			15.30	80.73	N	0	Well in good condition.
	7/26/2021	24.70			15.17	80.86	N	0	2021 Well Inspections - Well in good condition.
MW-29IR	10/07/2024	71.82	17.1 - 75^	87.10	8.75	78.35	N	0	Missing two bolts. Plug lid cracked.
	10/09/2023	75.31		86.42	8.29	78.13	N	0	Missing one bolt.
	9/27/2022	79.30			8.30	78.12	N	0	Well in good condition.
	9/27/2021	72.35			7.76	78.66	N	0	Well in good condition.
	7/26/2021	73.70			8.25	78.17	N	0	2021 Well Inspections - Well in good condition.
MW-30S	10/07/2024	28.70	10 - 25	96.27	15.56	80.71	Y	Trace	Missing lock. NAPL not measurable.
	10/09/2023	28.80		95.62	15.28	80.34	N	0	No lock, no J-plug.
	9/27/2022	29.31			14.88	80.74	N	0	Well in good condition.
	9/27/2021	28.70			14.62	81.00	N	0	Well in good condition.
	7/26/2021	25.10			14.74	80.88	N	0	2021 Well Inspections - Well in good condition.
MW-30D	10/07/2024	123.50	90 -121^	96.47	15.24	81.23	Y	Trace	Missing lock.
	10/09/2023	122.89		95.76	15.24	80.52	Y	Trace	No lock, no J-plug. Material stuck to inside casing, globs of NAPL on probe.
	9/27/2022	122.85			14.23	81.53	N	0	Well in good condition. No J-plug.
	9/27/2021	123.00			14.46	81.30	N	0	Well in good condition.
	7/26/2021	82.11			14.51	81.25	N	0	2021 Well Inspections - Well in good condition.
MW-32D	10/07/2024	113.55	91 - 111.5^	90.48	16.22	74.26	N	0	No lock.
	10/09/2023	113.53		90.14	17.85	72.29	N	0	Not locked.
	9/27/2022	112.76			19.74	70.4	N	0	Well in good condition.
	9/27/2021	113.60			21.84	68.30	N	0	Well in good condition.
	7/26/2021	91.80			22.27	67.87	N	0	2021 Well Inspections - Well in good condition.

Notes:
All data prior to 2023 collected and reported by others.
All elevations referenced to the National Geodetic Vertical Datum of 1929.
ft bTOC - feet below top of casing
NAPL - non-aqueous phase liquid
-- - Information not available
^ - Denotes open hole

TABLE 2
NON-AQUEOUS PHASE LIQUID MONITORING - SITE MONITORING PLAN WELLS
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

Monitoring Well	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)
	June 2016		July 2017		August 2018	
TW-1	1.75	0	1.5	0	18	14
TW-2I	2.0	0	0.0	0	0.0	0
TW-3	0.0	0	0.0	0	0.0	0
MW-1D	0.0	0	0.0	0	0.0	0
MW-10D	1.5	0	1.5	0	20.25	3
MW-33D	0.0	0	Trace NAPL	0	0.0	0
MW-34D	Decommissioned	--	Decommissioned	--	Decommissioned	--
MW-35I	Not Accessible	--	Unable to Locate	--	Not Accessible	--
MW-42D	5.0	0	5.0	0	1.0	0
MW-44I	Not Accessible	--	Unable to Locate	--	Decommissioned	--
MW-45I	3.5	0	1.5	0	48	19
MW-1I	Not Measured	--	Not Measured	--	Not Measured	--
Total NAPL - Water Mixture Removed (Gallons)		**0**		**0**		**36**

TABLE 2
NON-AQUEOUS PHASE LIQUID MONITORING - SITE MONITORING PLAN WELLS
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

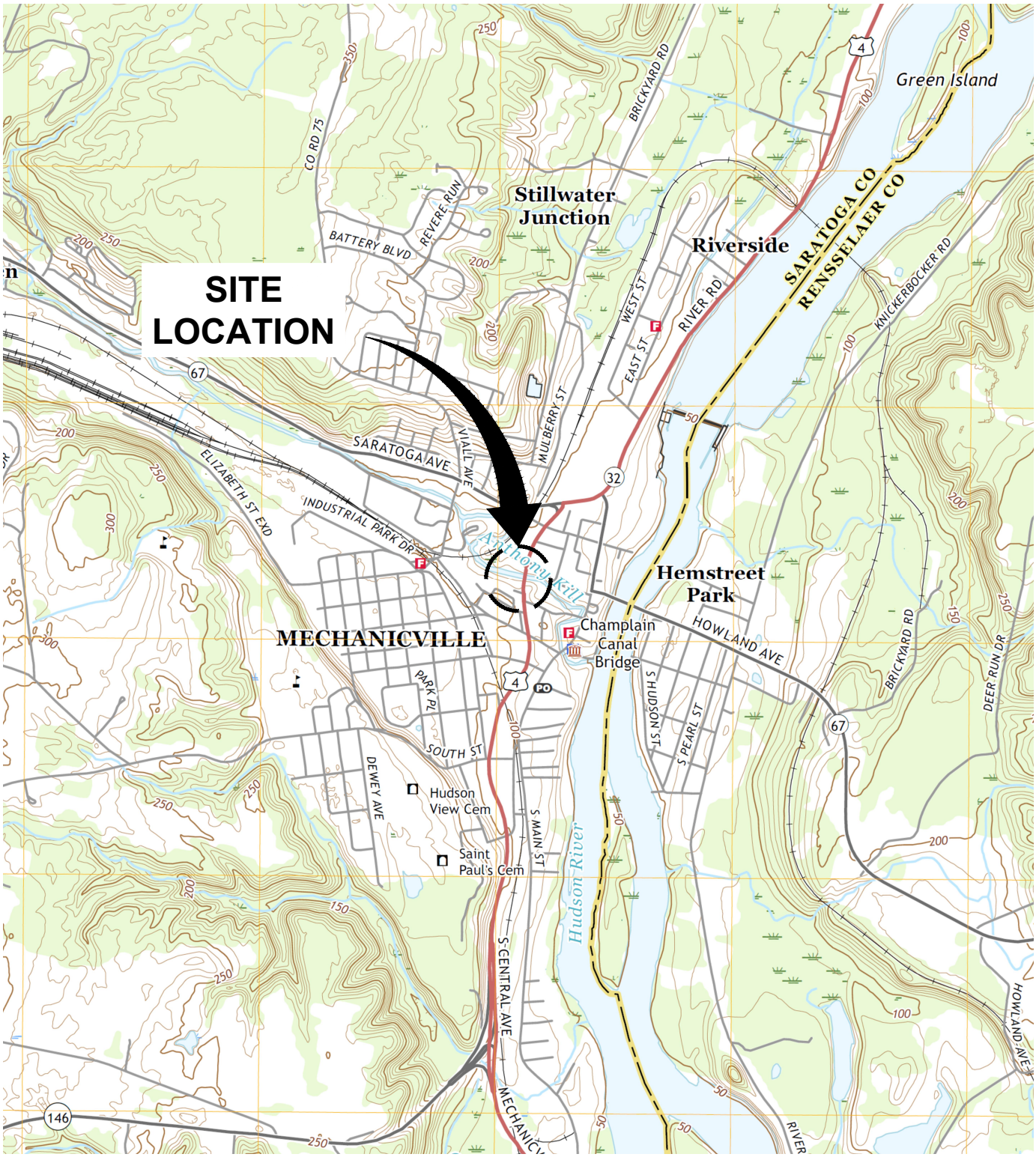
Monitoring Well	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)
	September 2019		October 2020		September 2021	
TW-1	12	15	2.0	0	0.0	0
TW-2I	0.0	0	0.0	0	Unable to locate	--
TW-3	0.0	0	0.0	0	0.0	0
MW-1D	0.0	0	0.0	0	0.0	0
MW-10D	1.5	0	0.25	0	2.0	0
MW-33D	0.5	0	0.0	0	0.0	0
MW-34D	Decommissioned	--	Decommissioned	--	Decommissioned	--
MW-35I	18	20	4.0	0	3.5	0
MW-42D	1.0	0	Not Accessible	--	0.0	0
MW-44I	Decommissioned	--	Decommissioned	--	Decommissioned	--
MW-45I	8.0	10	5.0	0	Blebs	0
MW-1I	Not Measured	--	Not Measured	--	Not Measured	--
Total NAPL - Water Mixture Removed (Gallons)		**45**		**0**		**0**

TABLE 2
NON-AQUEOUS PHASE LIQUID MONITORING - SITE MONITORING PLAN WELLS
ANNUAL MONITORING REPORT 2024 MECHANICVILLE CENTRAL AVENUE FORMER MGP SITE
MECHANICVILLE, NEW YORK

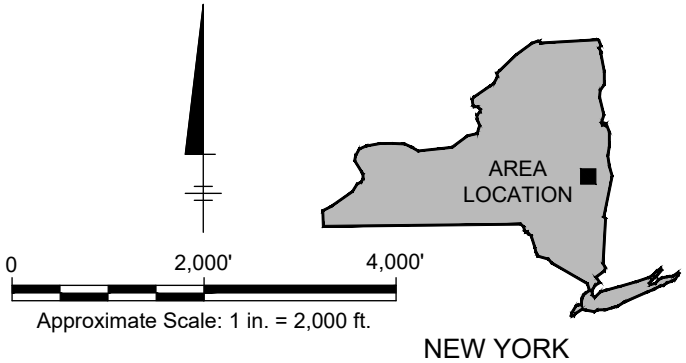
Monitoring Well	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)	NAPL Thickness (inches)	NAPL - Water Mixture Removed (gallons)
	September 2022		October 2023		October 2024	
TW-1	15.6	10.3	Blebs	0.0	Trace	0.0
TW-2I	Unable to locate	--	Unable to locate	--	Trace	0.0
TW-3	0.0	0	0.0	0.0	Trace	0.0
MW-1D	0.0	0	Blebs	0.0	Trace	0.0
MW-10D	2.0	0	2.0	0.0	6.0	1.0
MW-33D	0.0	0	0.0	0.0	Trace	0.0
MW-34D	Decommissioned	--	Decommissioned	--	Decommissioned	--
MW-35I	0.0	0	Trace	0.0	2.0	0.0
MW-42D	0.0	0	0.0	0.0	0.0	0.0
MW-44I	Decommissioned	--	Decommissioned	--	Decommissioned	--
MW-45I	39.6	18.4	0.0	0.0	Trace	0.0
MW-1I	102	35.8	0.0	0.0	Trace	0.0
Total NAPL - Water Mixture Removed (Gallons)		**65**		**0**		**1**

Notes:
All data prior to 2023 collected and reported by others.
NAPL - Non-Aqueous Phase Liquid
-- - Not applicable

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., MECHANICVILLE, NISKAYUNA, ROUND LAKE, TROY NORTH, NEW YORK, 2019.



Approximate Scale: 1 in. = 2,000 ft.

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\sheta5114\DCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_MECHANICVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\GEN-F01-SITE LOCATION MAP.dwg LAYOUT: 1 SAVED: 2/7/2025 1:54 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/7/2025 3:21 PM BY: MANJUNATH SHET, ABHISHEK

MW-36I
MW-36D
MW-37I
MW-37D
MW-20D
MW-35I
MW-34D
MW-41D
ANTHONY KILL
MW-32D
NORTH CENTRAL AVENUE
GROVE STREET
TW-4
MW-15IR
TW-3
MW-22IR
TW-2S
MW-14
MW-14S
MW-14D
MW-46I
MW-29IR
TW-2I
MW-44I
MW-17I
MW-17D
MW-25S
MW-25I
FERRIS LANE
MW-2I
MW-2
MW-12S
MW-13
MW-12
MW-45I
TW-1
MW-17
MW-18
MW-19I
MW-30D
MW-30S
MW-1I
MW-1D
MW-1
WEST WAY
JAMES STREET
MW-10
MW-10D
MW-10I
MW-33D
MW-40D
MW-38D
MW-38I
ELECTRIC SUBSTATION
BURKE STREET
MW-42D
MW-43D
EAST WAY
FRANCES STREET
MW-39D
MW-31S
MW-31D

LEGEND:

- PROPERTY BOUNDARY
- MW-36I — MONITORING WELL LOCATION
- MW-36I — DECOMMISSIONED MONITORING WELL
- WELL USED FOR NAPL MONITORING
- WELL USED FOR GROUNDWATER SAMPLING
- APPROXIMATE LOCATION OF FRACTURES
- 2009 SOIL REMOVAL LIMITS
- NAPL — NON-AQUEOUS PHASE LIQUID

0 80' 160'

Approximate Scale: 1 in. = 80 ft.

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

MONITORING AND RECOVERY WELL LOCATIONS

ARCADIS

FIGURE 2

MW-36I
MW-36D
MW-37I
MW-37D
MW-20D
MW-35I
(2.0)
MW-34D
ANTHONY KILL
MW-32D
NORTH CENTRAL AVENUE
MW-41D
GROVE STREET
TW-4
MW-15IR
TW-3
(TRACE)
MW-22IR
MW-29IR
TW-2S
TW-2I
(TRACE)
MW-14
MW-14S
MW-14D
MW-46I
MW-44I
MW-25S
MW-25I
MW-17I
MW-17D
FERRIS LANE
MW-2I
MW-2
MW-12S
MW-13
(TRACE)
MW-12
MW-45I
(TRACE)
TW-1
(TRACE)
MW-30D
(0.1)
MW-30S
(TRACE)
MW-17
MW-18
MW-19I
MW-1I
(TRACE)
MW-1D
(TRACE)
MW-1
WEST WAY
JAMES STREET
MW-10
MW-10D
(6.0)
MW-10I
MW-33D
(TRACE)
MW-40D
MW-38I
MW-38D
ELECTRIC
SUBSTATION
BURKE STREET
MW-42D
MW-43D
EAST WAY
MW-31S
MW-31D
FRANCES STREET
MW-39D

LEGEND:

- PROPERTY BOUNDARY
- MW-36I — MONITORING WELL LOCATION
- MW-36I — DECOMMISSIONED MONITORING WELL
- WELL USED FOR NAPL MONITORING
- (6.0) — NAPL THICKNESS (INCHES) OCTOBER 2024
- APPROXIMATE LOCATION OF FRACTURES
- 2009 SOIL REMOVAL LIMITS
- NAPL — NON-AQUEOUS PHASE LIQUID

0 80' 160'

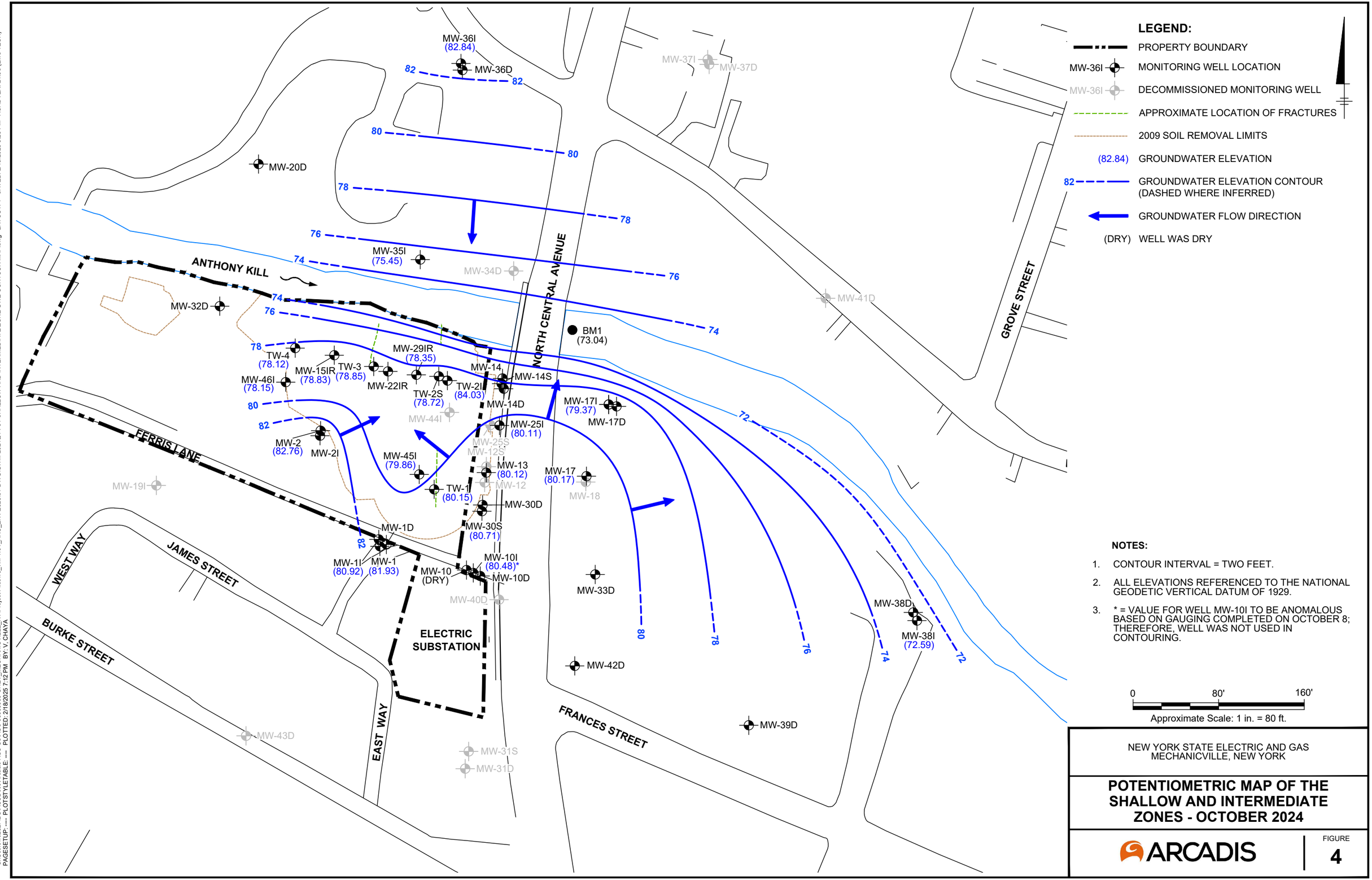
Approximate Scale: 1 in. = 80 ft.

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

NAPL MONITORING RESULTS OCTOBER 2024

ARCADIS

FIGURE
3



LEGEND:

- PROPERTY BOUNDARY
- MW-36I — MONITORING WELL LOCATION
- MW-36I — DECOMMISSIONED MONITORING WELL
- APPROXIMATE LOCATION OF FRACTURES
- 2009 SOIL REMOVAL LIMITS
- (82.84) GROUNDWATER ELEVATION
- 82 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- (DRY) WELL WAS DRY

NOTES:

1. CONTOUR INTERVAL = TWO FEET.
2. ALL ELEVATIONS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. * = VALUE FOR WELL MW-10I TO BE ANOMALOUS BASED ON GAUGING COMPLETED ON OCTOBER 8; THEREFORE, WELL WAS NOT USED IN CONTOURING.

0 80' 160'

Approximate Scale: 1 in. = 80 ft.

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

POTENTIOMETRIC MAP OF THE SHALLOW AND INTERMEDIATE ZONES - OCTOBER 2024

ARCADIS

FIGURE 4

MW-36I
MW-36D
(83.10)
MW-37I
MW-37D
MW-20D
(82.09)
82
80
78
76
74
MW-35I
MW-34D
ANTHONY KILL
NORTH CENTRAL AVENUE
GROVE STREET
MW-41D
MW-32D
(74.26)
TW-4
TW-3
MW-29IR
MW-15IR
TW-2I
MW-22IR
TW-2S
MW-14
MW-14S
MW-14D
MW-46I
MW-44I
MW-25S
MW-25I
MW-17I
MW-17D
(84.44)*
MW-2I
MW-2
FERRIS LANE
MW-12S
MW-13
MW-12
MW-45I
TW-1
MW-30D
(81.23)
MW-30S
MW-17
MW-18
MW-19I
MW-1I
MW-1
MW-1D
(91.16)*
MW-10I
MW-10D
(81.13)
MW-10
MW-40D
MW-33D
(88.19)*
MW-38D
(72.81)
MW-38I
WEST WAY
JAMES STREET
BURKE STREET
ELECTRIC SUBSTATION
MW-42D
(NM)
EAST WAY
FRANCES STREET
MW-39D
(76.53)
MW-43D
MW-31S
MW-31D

LEGEND:

- PROPERTY BOUNDARY
- MW-36I — MONITORING WELL LOCATION
- MW-36I — DECOMMISSIONED MONITORING WELL
- APPROXIMATE LOCATION OF FRACTURES
- 2009 SOIL REMOVAL LIMITS
- (91.16) GROUNDWATER ELEVATION
- 82 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- (NM) NOT MEASURED

NOTES:

1. ALL ELEVATIONS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
2. CONTOUR INTERVAL = TWO FEET.
3. * = VALUES FOR THESE WELLS JUDGED TO BE ANOMALOUS BASED ON HISTORICAL DATA AND PROFESSIONAL JUDGMENT; THEREFORE, THEY WERE NOT USED IN CONTOURING.

0 80' 160'

Approximate Scale: 1 in. = 80 ft.

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

POTENTIOMETRIC MAP OF THE DEEP ZONE - OCTOBER 2024

ARCADIS

FIGURE
5

Appendix A

Stream Monitoring Form

ARCADIS

Anthony Kill and Streambank Observation Form Mechanicville Former MGP Site (NYSDEC Site 546033)
North Central Avenue, Mechanicville, New York

Item	Comments
Cloud Cover 25 %	
Sun Angle Azimuth: 114.93°	
Precipitation: 0 %	
Time Start: 0825	
Time End 1000	observed stream for at least 1 hour
Anthony Kill	
Sheen? Yes	
# Blebs No	
Frequency sheen present when probed / stirred sediment / sediment in the water	
Location of Observation Along streambank	
Water Level from Mark measured in middle of stream	26.49' from top of railing, 22.84' from bottom concrete
Stream Elevation Low water level	~2' deep
Sediments Probed? Yes	
Observation after probing? sheen present	when probed / stirred sediment → mostly in water
Streambank	
Streambank stabilized? Yes	
Approx. % vegetation cover 95 %	
Health of vegetation Good	
Number of trees 4 pines on southern side, majority on norther side of stream	
Soil Cover majority vegetation → stream level rocks	Rocks along southern portion near bridge and directly across on northern side

Name of Inspector: Antoinette Hiller
Inspector's Company: Arcadis

Signature of Inspector: antoinette miller
Date: 10-8-24

MW-36I
MW-36D
MW-20D
A'
MW-35I
MW-34D
ANTHONY KILL
MW-32D
NORTH CENTRAL AVENUE
TW-4
MW-15IR
MW-22IR
TW-2SI
TW-3
MW-29IR
TW-2I
MW-14
MW-14S
MW-14D
BLOCK / BRICK STRUCTURE
MW-46I
MW-2
MW-2I
MW-44I
MW-25I
MW-25D
MW-12S
MW-45I
MW-13
MW-12
TW-1
MW-30D
MW-30S
MW-19I
MW-1I
MW-1
MW-1D
MW-10D
MW-10
MW-10I
MW-40D
ELECTRIC SUB-STATION
A
MW-42D
MW-43D
MW-31S
MW-31D
MW-37I
MW-37D
MW-41D
GROVE STREET
MW-17I
MW-17D
MW-17
MW-18
MW-33D
MW-38D
MW-38I
MW-39D
WILLIAM STREET
FERRIS LANE
WEST WAY
JAMES STREET
BURKE STREET
EAST WAY
FRANCES STREET
CANAL S
N STREET

LEGEND

- MW-12S — MONITORING WELL LOCATION
- MW-12S — DECOMISSIONED MONITORING WELL
- WELL USED FOR NAPL MONITORING
- WELL USED FOR SAMPLING
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL LIMITS
- X — ANTHONY KILL OBSERVATION LOCATION

0' 40' 80' 160'

AECOM

SITE MANAGEMENT PLAN
LONG-TERM
MONITORING WELLS

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	---	60135689	4 / 2011	3

Plotted By: meisterk
Layout-Sheet Name: SM-MW
Plot File Date Created: Mar/30/2011 9:24 AM

Filename: L:\WORK\94560\CADD\SITE_MANAGEMENT_PLAN\94560-POST-REMEDIATION-MW.DWG

Appendix B

Site Inspection Form

ARCADIS

Site-Wide Inspection Form Mechanicville Former MGP Site (NYSDEC Site 546033)
North Central Avenue, Mechanicville, New York

Item	Yes	No	N/A	Comments
Where applicable is the perimeter fence in good condition?	X			
Are there any signs of erosion on site or along stream bank?		X		
Is 95% of the streambank covered with natural vegetation?	X			
Has remedial performance criteria been achieved or maintained?	X			
Has sampling and analysis of appropriate media been performed during the monitoring event?			X	
Has the maintenance checklist been completed? (If a system is installed)			X	
Are site records including the Site Management Plan complete and up-to-date?			X	
If applicable, have there been any modifications made to the remedial or monitoring system?			X	
If applicable, does the remedial or monitoring system need to be changed or altered at this time?		X		
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?			X	
Are the monitoring wells in good condition (e.g., covers, casings)?	X			Please refer to gauging log comments
Was the Anthony Kill Creek monitored for Oily Blebs during this time?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		
If the answer above is YES, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?			X	
Was any DNAPL collected from wells during this period?	X			MW-10D <1gallons
Are there any DNAPL drums on-site that need disposal?	X			1drum

Note: Upon completion of the form, any non-conforming items warranting corrective action should be identified.

Name of Inspector: Antoinette Miller
Inspector's Company: Arcadis

Signature of Inspector: Antoinette Miller
Date: 10/8/24

Appendix C

Photo Log

Photographic Log

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-1	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-1I	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-1D	

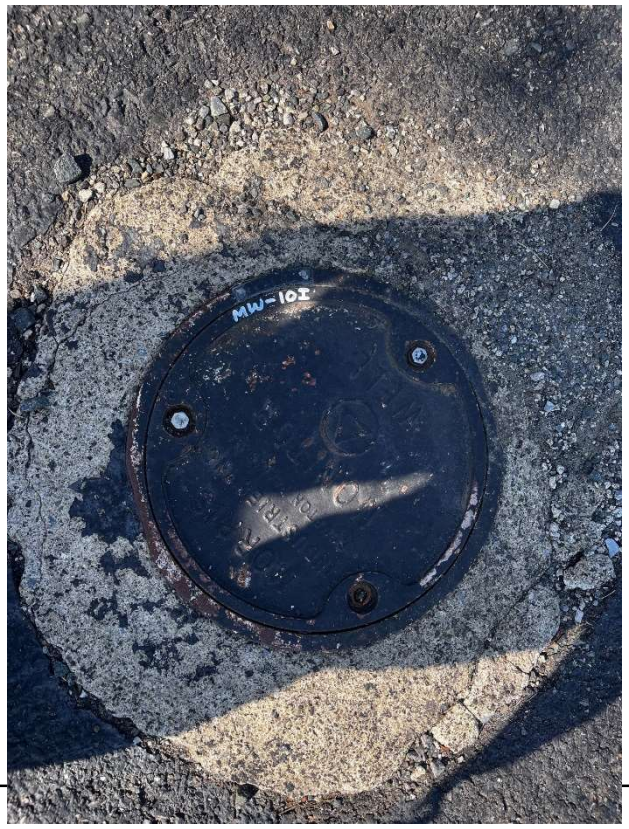
Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-2	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-2I	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-10	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/8/2024 **Direction Photo Taken:** Downward	
Description: MW-10I	

Photograph No.	
Date: **Direction Photo Taken:** Downward	
Description: MW-10D	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: **Direction Photo Taken:** East	
Description: MW-13	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-15IR	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-17D	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-17I	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-17	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-20D	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-22-IR	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-25I	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-29IR	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-30D	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-30S	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-32D	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-33D	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-35I	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-38I	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-36D	

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-36I	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-38D	

Facility Name: Mechanicville Former MGP Site	Site Location: Mechanicville, New York	Project No.
Photograph No.		
Date: 10/7/2024 **Direction Photo Taken:** Downward		
Description: MW-39D		

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-45I	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: MW-46I	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 4/23/2024 **Direction Photo Taken:** Downward	
Description: TW-1	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: TW-2S	

Facility Name:	Site Location:	Project No.
Mechanicville Former MGP Site	Mechanicville, New York	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: TW-2I	

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: TW-3	

Photographic Log

Facility Name:	Site Location: Mechanicville, New York	Project No.
Mechanicville Former MGP Site		

Photograph No.	
Date: 10/7/2024 **Direction Photo Taken:** Downward	
Description: TW-4	

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