

From: [Raby, Tami](#)
To: [Spellman, John \(DEC\)](#)
Cc: [BLAZICEK, TRACY](#); [Saunders, Melissa](#); [Howard, Walter](#); [Au, Emily](#); [Floess, Carsten](#)
Subject: Mechanicville Central Avenue Former MGP Site - 2022 Annual Monitoring Report
Date: Wednesday, February 8, 2023 6:09:03 PM
Attachments: [Report.hw5460338.2023-02-08.NYSEGMechanicvilleCentralAve2022AnnualReport.pdf](#)

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Good evening John,

On behalf of New York State Electric and Gas Corporation, AECOM USA, Inc. is pleased to present the attached 2022 Annual Monitoring Report. This report documents the monitoring activities undertaken at the Mechanicville Central Avenue Former Manufactured Gas Plant Site from September 27, 2022 through October 24, 2022.

Please confirm receipt.

Feel free to contact me with any questions.

Thank you,

Tami

Tamara Raby, PG (NY)
she, her, hers

Project Manager IV, Project Management, Environment, Upstate New York
D +1-716-923-1113
M +1-716-870-3446
tamara.raby@aecom.com

www.linkedin.com/in/TamaraRaby

AECOM

1 John James Audubon Parkway
Suite 210
Amherst, New York 14228, United States
T +1-716-856-5636
aecom.com

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February 8, 2023

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

**Annual Monitoring Report 2022
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York
NYSDEC Site: 5-46-033**

Dear Mr. Spellman,

On behalf of New York State Electric and Gas Corporation (NYSEG), AECOM USA, Inc. (AECOM) is pleased to present this 2022 Annual Monitoring Report documenting monitoring activities undertaken at the Mechanicville Central Avenue Former Manufactured Gas Plant (MGP) site in Mechanicville, New York (the "Site") from September 27, 2022 through October 24, 2022 (2022 Monitoring Event). **Figure 1** attached shows the Site location.

This 2022 Annual Monitoring Report summarizes the activities performed at the Site with reference to the following documents:

- *Site Management Plan Mechanicville Central Ave Former MGP Site, Mechanicville, NY* **NYSDEC Site # 5-46-033** approved by the New York State Department of Environmental Conservation (NYSDEC) in April 2011 (AECOM, 2011; SMP)
- *Draft Periodic Review Report: March 2016 – March 2021, Mechanicville Central Avenue Former MGP Site, NYSDEC Site: 546033* approved by the New York State Department of Environmental Conservation (NYSDEC) on May 27, 2021 (2021 PRR).

1. Background

As shown on **Figure 1**, the Site is located on North Central Avenue in Mechanicville, Saratoga County, New York. 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 2022 Monitoring Event included the completion of an annual inspection; and, non-aqueous phase liquid (NAPL) monitoring and removal comprising the following:

- Annual inspection including assessment of:
 - Perimeter fence integrity;
 - Anthony Kill for the presence of NAPL-related ebullition and sheens in water and in sediment; and,
 - The streambank for erosion and surface coverage.
- Assessment of monitoring well network integrity.

- An inspection of Site cover, and assessment of Site modifications including excavation activity, change in use or new structures (if any).
- Documentation of any changes at the Site that could compromise effectiveness of the engineering or institutional controls.
- Measuring NAPL thickness in select monitoring wells and removal of NAPL from wells with greater than 0.5 feet of measurable NAPL.

The SMP also requires groundwater sampling of wells specified in the SMP once every two years until the results meet the groundwater standards, criteria, and guidelines (SCGs) for at least two consecutive sampling events. The last groundwater sampling event was conducted in 2021, and the next event will be completed in 2023. The SMP additionally requires indoor air quality sampling prior to change in Site usage or Site development. It is noted that indoor air quality sampling has not been required at the Site to date.

Additional non-routine tasks (not required by the SMP) were completed at the Site in 2022. These work items included the following:

- Completion of a well network review of all remaining accessible monitoring wells at the Site, including those specified for sampling in the SMP and those not specified for sampling in the SMP.
- Measuring NAPL thickness at all remaining accessible Site monitoring wells, including groundwater monitoring SMP locations and locations not specified in the SMP.
- Completion of an initial NAPL recovery assessment at monitoring well MW-11, where the NAPL thickness was measured to be 96 inches thick during non-routine gauging in September 2021. This assessment included an initial NAPL measurement and collection event, and one follow-up gauging event approximately one month later to assess recovery.

The findings from the 2022 Monitoring Event are provided in the following sections.

2. Annual Inspection

2.1 Fence Integrity

The Site perimeter fence was noted to be in good condition.

2.2 Anthony Kill Monitoring

The Anthony Kill was observed for signs of visible NAPL ebullition and sheens on September 27 and 30, 2022. On September 27, 2022, prior to sediment probing, ebullition was observed as one area of sheen on the water surface that quickly dissipated. Sediments were then probed with a rod for signs of NAPL accumulation. After probing, more areas of sheen were observed on the water surface. Once the areas of sheen dissipated, no additional areas of sheen were noted. On September 30, 2022, following a rainfall event, observations were made without probing and several areas of sheen were observed on the water surface. The observations from the September 2022 event are consistent with past streamline and creek observation events. A summary of Site inspection and streambank observations are presented in **Appendix A**.

2.3 Streambank Erosion and Surface Coverage Assessment

The streambank, with the exception of the designated rip rap area, had soil in place, and its vegetative cover was noted to be in good health. The streambank was observed to be in stable condition.

A summary of Anthony Kill and streambank observations is presented in **Appendix A**.

2.4 Assessment of Site Cover and Use

The Site usage and conditions are consistent with those observed in 2021.

No significant erosion of Site cover was noted.

Since there are no new occupied structures at the Site, indoor air quality monitoring is not currently required. It is noted that the existing concrete slab, asphalt pavement, and gravel cover at the Site mitigate human exposure to the underlying soils.

Photographs taken during the Site inspection are included in **Appendix B**. The Annual Site Inspection form is included as **Appendix C**.

2.5 Well Network Assessment

The current NAPL monitoring well network is comprised of 9 monitoring wells, namely TW-1, TW-2I, TW-3, MW-1D, MW-10D, MW-33D, MW-35I, MW-42D, and MW-45I. It is noted that two additional wells (MW-34D, and MW-44I) are identified in the SMP but are no longer part of the monitoring well network. Monitoring well MW-34D has been decommissioned and well MW-44I destroyed.

The following is noted regarding the monitoring well network at the time of the 2022 Monitoring Event:

- MW-10D was found without a J-plug.
- The well cover and J-plug at MW-42D was noted to be absent.
- TW-2I could not be located and appears to have been covered with rip rap.
- The curb box lid, including ring, at MW-45I was able to be completely removed.

The following is noted regarding additional Site wells inspected during the non-routine well network review conducted concurrent with the 2022 Monitoring Event:

- The following wells were found without a J-plug: MW-10, MW-12, MW-17D, MW-18, MW-30D, MW-38I, TW-2S
- MW-38I has no cover.
- MW-17I was not located and appears to have been paved over.
- MW-17D is not properly grouted in place and the entire PVC casing is movable.
- MW-10 has an obstruction at approximately 6.5 feet (ft) below ground surface.
- MW-46I was not located and appears to be either buried in gravel or paved over.

The Site monitoring and recovery well network is provided in **Figure 2** attached. **Table 1** attached presents well gauging results and inspection notes.

3. NAPL Monitoring and Recovery

SMP monitoring wells TW-1, TW-3, MW-1D, MW-10D, MW-33D, MW-35I, MW-42D and MW-45I were gauged to assess NAPL thickness. All other Site wells were also gauged as part of the non-routine well monitoring inspections.

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

As shown below, at the time of the 2022 Monitoring Event, four wells (including non-SMP well MW-1I) had measurable NAPL, and three wells contained a NAPL thickness greater than 0.5 feet (TW-1, MW-45I, and MW-1I). NAPL was recovered from the three wells with greater than 0.5 feet of NAPL during the 2022 Monitoring Event. **Figure 3** attached shows the thickness of NAPL measured in each well during the September 2022 gauging event. Locations and purge amounts for NAPL recovery efforts are presented on **Figure 4**. **Table 2** attached provides an overview of NAPL thickness monitoring over the period 2016 – 2022.

3.1 Non-Routine NAPL Recovery Assessment at Monitoring Well MW-1I

As part of the 2022 NAPL Monitoring and Recovery Event, a non-routine initial NAPL recovery assessment was completed at monitoring well MW-1I. This well is not included in the annual SMP required NAPL monitoring and

recovery; however, NAPL thickness was measured to be 96 inches thick during non-routine gauging in September 2021 resulting in the recommendation to complete an initial NAPL recovery assessment.

This assessment at well MW-11 included an initial NAPL measurement and collection event on September 28, 2022 where NAPL was measured to be 102 inches thick and 35.8 gallons of NAPL/water mixture was removed. Subsequently, one follow-up gauging event to assess NAPL recovery was completed approximately one month later on October 24, 2022. During the follow-up gauging event NAPL was measured to be 3.5 inches thick. Refer Section 5 for recommendations.

4. Groundwater Monitoring

Groundwater monitoring activities conducted during 2022 were limited to depth to groundwater measurements and determination of groundwater elevations in all accessible monitoring wells.

4.1 Groundwater Gauging and Sampling Observations

Well gauging data is provided in **Table 1** attached. A summary of observations is provided below:

- Groundwater elevation across the monitoring well network ranged from 70.40 ft (MW-32D) to 91.77 ft (MW-42D).
- The general direction of groundwater flow in the shallow and intermediate portions of the aquifer was to the north, and comparable to previous sampling events. **Figure 5** attached presents the shallow and intermediate aquifer inferred groundwater surface contours.
- The general direction of groundwater flow in the deep portion of the aquifer was to the east, and comparable to previous sampling events. **Figure 6** attached presents the deep aquifer inferred groundwater surface contours.

5. Conclusions and Recommendations

Based on the results of the 2022 Monitoring Event, the following conclusions are provided:

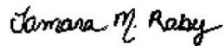
- The Site perimeter fence was noted to be in good condition.
- On September 27, 2022, prior to sediment probing, ebullition was observed as one area of sheen on the water surface that quickly dissipated. Sediments were then probed with a rod for signs of NAPL accumulation. After probing, more areas of sheen were observed on the water surface. Once the areas of sheen dissipated, no additional areas of sheen were noted. On September 30, 2022, following a rainfall event, observations were made without probing and several areas of sheen were observed on the water surface.
- The streambank was observed to be stable with healthy vegetation present.
- The Site usage and conditions are consistent with those observed in 2021, and the soil cover did not show signs of significant erosion. The exposure to residual soil contamination is considered to be effectively mitigated by the existing concrete slab, asphalt pavement, and gravel cover.
- Measurable NAPL was identified in wells TW-1, MW-10D, MW-45I and non-SMP- monitored well MW-11, at thicknesses ranging between 2 inches and 102 inches. NAPL was pumped from the three wells where it was measured to be greater than 0.5 feet thick, including TW-1, MW-45I, and MW-11. A combined total of approximately 64.5 gallons of NAPL and water mixture was removed from the three wells and stored in 55-gallon drums.

The following recommendations are provided:

- Site monitoring and inspections should continue in accordance with the SMP.
- Based on the results of the 2022 NAPL initial recovery assessment, a second NAPL recovery assessment in well MW-1I should be conducted in 2023. NAPL gauging and recovery (if needed) should be conducted on a quarterly basis through completion of the 2023 annual event.
- Monitoring well MW-1I should be added to the NAPL annual monitoring list following the annual NAPL monitoring protocols and thresholds for NAPL removal as detailed in the SMP (AECOM, 2011). If results of the annual NAPL recovery assessment warrant, consideration may be given to increase the NAPL monitoring/recovery frequency in this well accordingly (i.e., quarterly, semi-annually, other).
- Perform monitoring well rehabilitation or closure activities based on the outcomes of currently on-going well network reviews. The outcomes of the well network review will be provided under separate cover (Groundwater Monitoring Well Network Review Report).
- Implement recommendations provided in the 2021 PRR.

Should you have any questions regarding this correspondence, please contact Tamara Raby at tamara.raby@aecom.com.

Sincerely,



Tamara Raby
Project Manager
AECOM
M: 716-870-3446
E: tamara.raby@aecom.com



Carsten H. Floess, P.E.
AECOM
M: 518-312-7598
E: carsten.floess@aecom.com

cc:

Project File 60675881
Tracy Blazicek, NYSEG
Melissa Saunders, AECOM

Figures

Figure 1: Site Location Map
Figure 2: Monitoring and Recovery Well Locations
Figure 3: NAPL Monitoring Results - September 2022
Figure 4: Groundwater Contours – Shallow and Intermediate Zones - September 2022
Figure 5: Groundwater Contours – Deep Zone – September 2022
Figure 6: Groundwater Sampling Results – September 2022

Tables

Table 1: Groundwater Gauging Table
Table 2: Non-Aqueous Phase Liquid Monitoring 2016 - 2022

Appendices

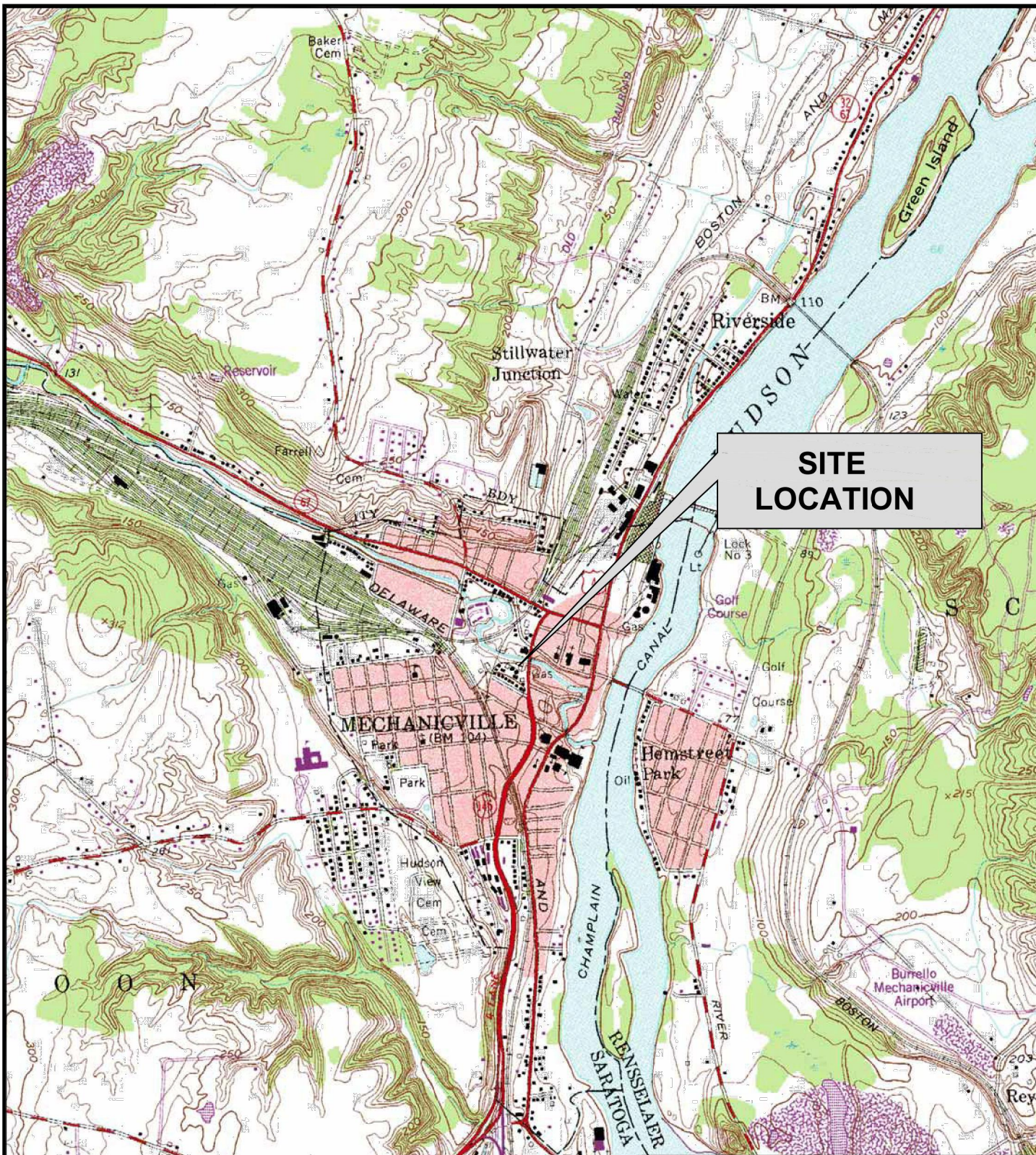
Appendix A - Stream Monitoring Form
Appendix B - Photo Log
Appendix C - Site Inspection Form

References

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

AECOM, 2021. *Draft Periodic Review Report: March 2016 – March 2021, Mechanicville Central Avenue Former MGP Site, NYSDEC Site: 546033*

Figures



AECOM

SITE LOCATION MAP

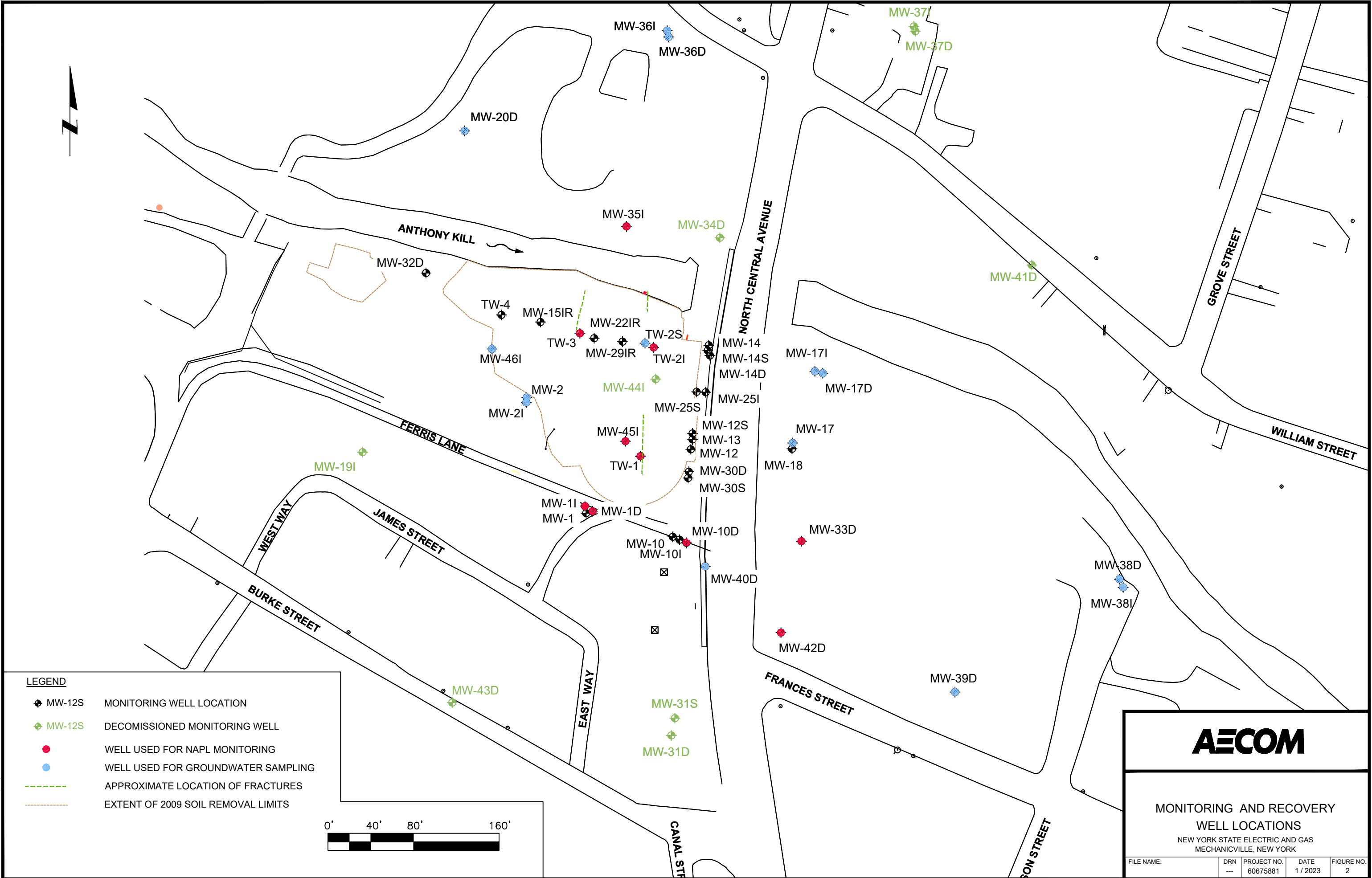
NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

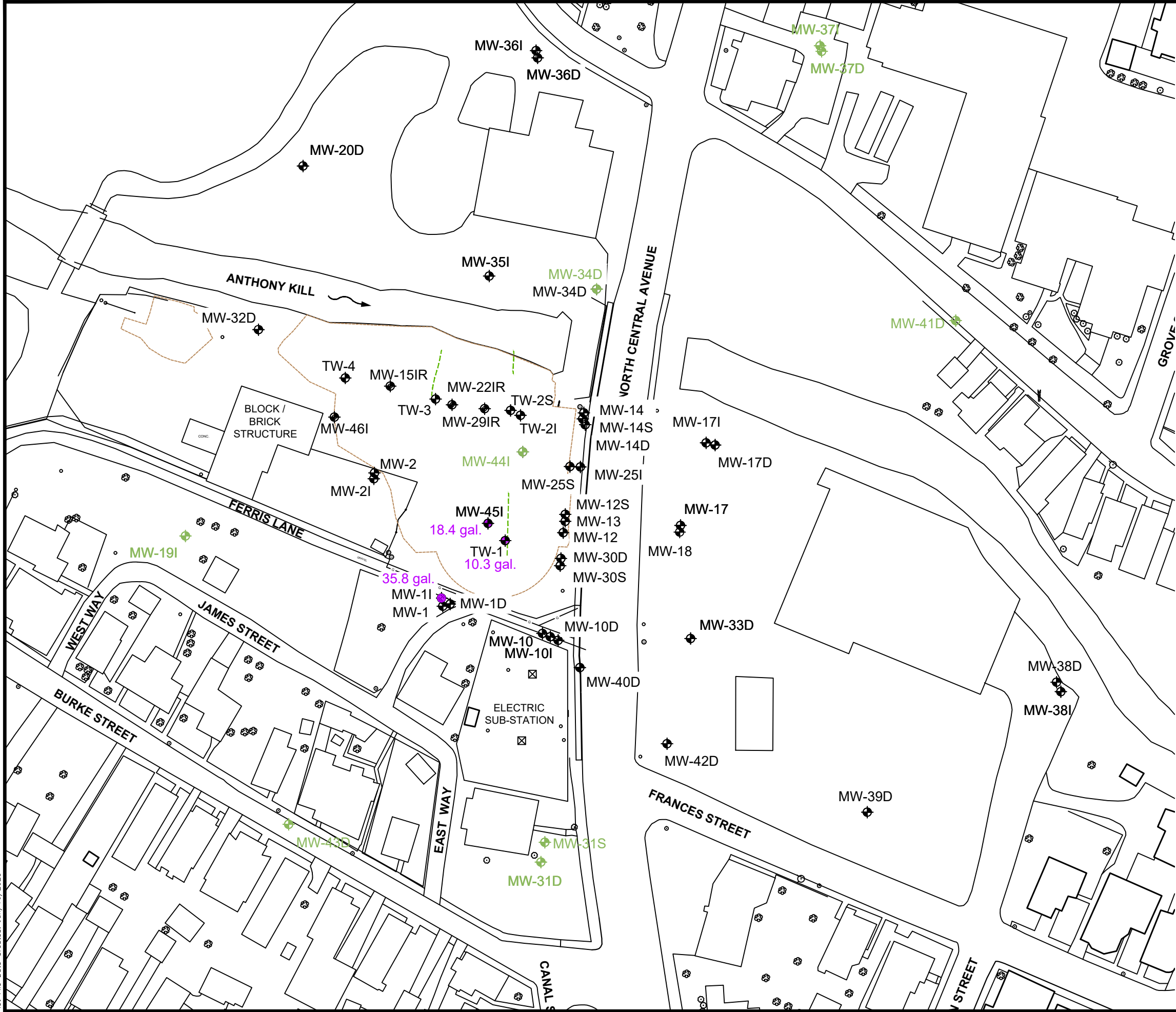
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SOURCE: NYSDOT MECHANICVILLE 7.5' QUADRANGLE
SCALE: 1" = 2000 FT.









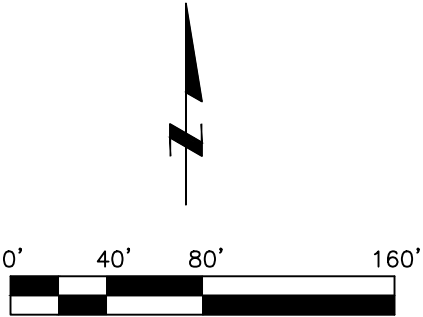
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Layout--Sheet Name: FIGURE 2
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LEGEND

- MW-44I  MONITORING WELL LOCATION
- MW-12S  DECOMISSIONED MONITORING WELL
-  WELL USED FOR NAPL RECOVERY
-  APPROXIMATE LOCATION OF FRACTURES
-  EXTENT OF 2009 SOIL REMOVAL
- XX gal.  APPROXIMATE VOLUME OF FLUID (NAPL + WATER) RECOVERED FROM WELL

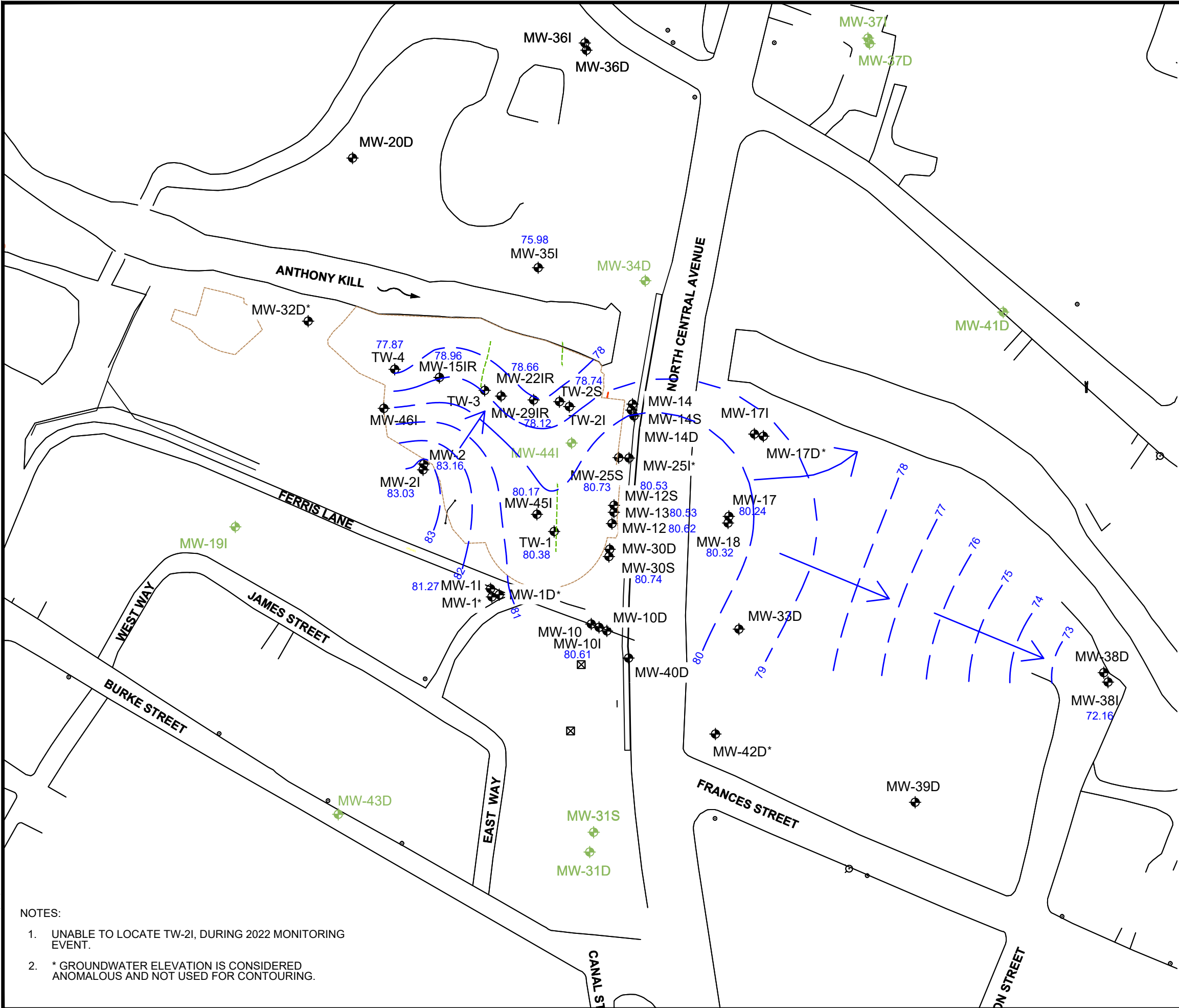


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**NAPL RECOVERY RESULTS
SEPTEMBER 2022**

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

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LEGEND

- MW-12S MONITORING WELL LOCATION
- 78.90 GROUNDWATER ELEVATION (SEPTEMBER 2022)
- 80 GROUNDWATER CONTOUR - 1 FT. INTERVAL (SEPTEMBER 2022 - DASHED WHERE INFERRED)
- APPROXIMATE LOCATION OF FRACTURES
- EXTENT OF 2009 SOIL REMOVAL LIMITS
- FLOW ARROW

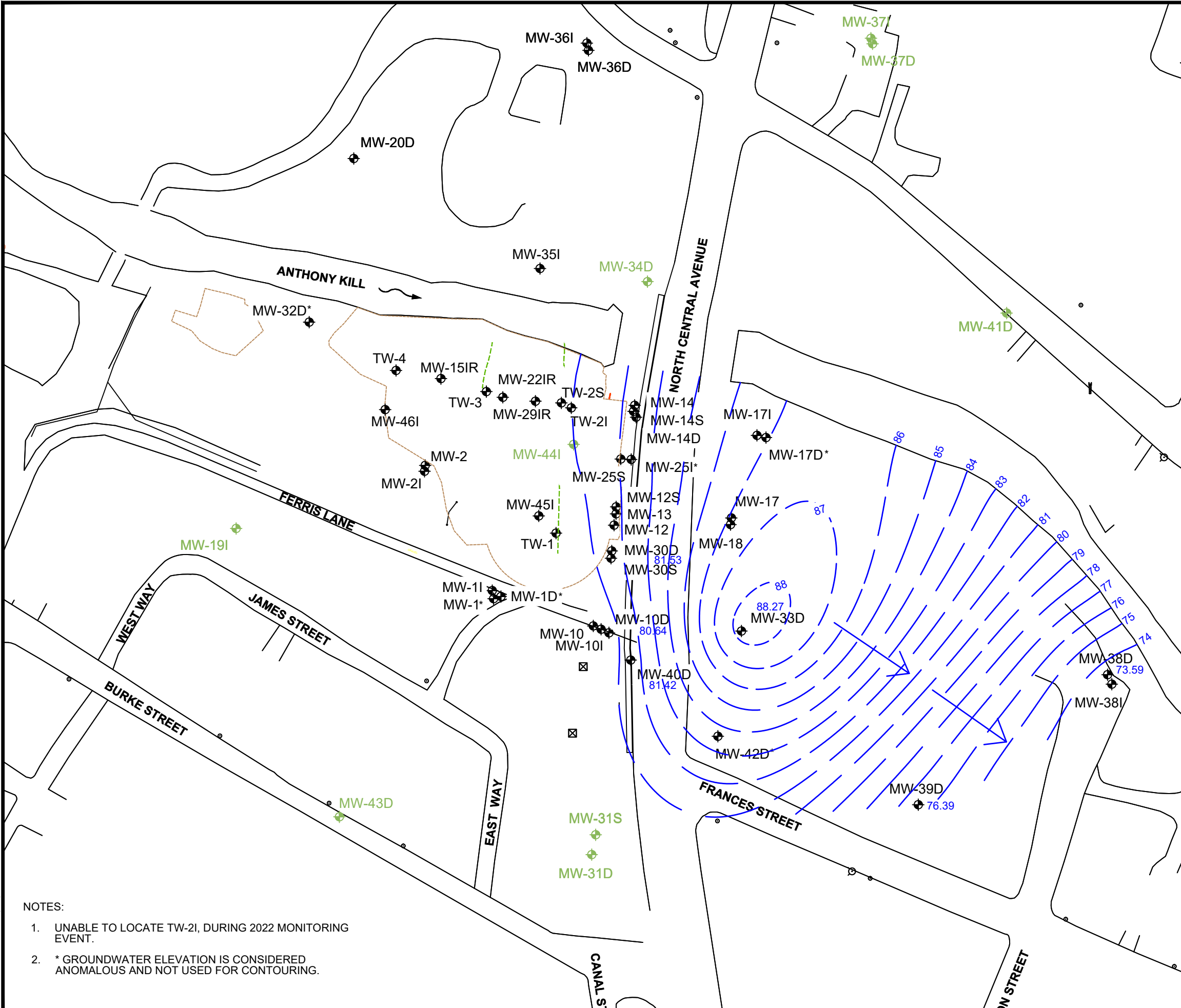
- NOTES:
- UNABLE TO LOCATE TW-2I, DURING 2022 MONITORING EVENT.
 - * GROUNDWATER ELEVATION IS CONSIDERED ANOMALOUS AND NOT USED FOR CONTOURING.

AECOM

GROUNDWATER CONTOURS
SHALLOW AND INTERMEDIATE ZONES
SEPTEMBER 2022

NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

| FILE NAME: | DRN | PROJECT NO. | DATE | FIGURE NO. |
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- NOTES:
1. UNABLE TO LOCATE TW-2I, DURING 2022 MONITORING EVENT.
 2. * GROUNDWATER ELEVATION IS CONSIDERED ANOMALOUS AND NOT USED FOR CONTOURING.

GROUNDWATER CONTOURS
DEEP ZONE
SEPTEMBER 2022
NEW YORK STATE ELECTRIC AND GAS
MECHANICVILLE, NEW YORK

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| | -- | 60675881 | 2 / 2023 | 6 |

Tables

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| SMP Monitoring Plan Locations - NAPL Monitoring | | | | | | | | | |
| TW-1 | 9/27/2022 | 73.80 | 24 - 75^ | 89.33 | 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 | 9/27/2022 | -- | 30 - 75^ | 87.00 | -- | -- | -- | -- | 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 | | | 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 | | | 9.76 | 77.24 | Y | 2" | No NAPL removed during this event. |
| TW-3 | 9/27/2022 | -- | 15 - 75^ | 87.15 | -- | -- | 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 | | | 9.26 | 77.89 | N | 0" | No NAPL removed during this event. |
| MW-1D | 9/27/2022 | 158.74 | 121 - 155.2^ | 90.46 | 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 | | | 9.76 | 80.70 | N | 0" | No NAPL removed during this event. |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---------|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| MW-10D | 9/27/2022 | 113.31 | 82 - 114^ | 92.73 | 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 | | | 10.62 | 82.11 | Y | 1.5" | No NAPL removed during this event. |
| MW-33D | 9/27/2022 | 147.47 | 119.7 - 140.5^ | 93.83 | 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 | | | 14.25 | 79.58 | N | 0 | No NAPL removed during this event. |
| MW-34D | 9/27/2022 | -- | -- | -- | -- | -- | -- | -- | Decommissioned. |
| | 9/27/2021 | | | | | | | | |
| | 10/13/2020 | | | | | | | | |
| | 9/10/2019 | | | | | | | | |
| | 8/31/2018 | | | | | | | | |
| | 6/29/2017 | | | | | | | | |
| | 6/29/2016 | | | | | | | | |
| MW-35I | 9/27/2022 | 34.04 | 12.5 - 38^ | 80.43 | 5.01 | 75.42 | Y | 0" | No NAPL removed during this event. Product 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 | | | -- | -- | -- | -- | Well was unable to be located. |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| MW-42D | 6/27/2022 | 175.45 | 140 - 175^ | 93.45 | 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 | 9/27/2022 | -- | -- | 87.37 | -- | -- | -- | -- | 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. |
| MW-45I | 9/27/2022 | 73.50 | 23.5 - 75^ | 88.83 | 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 | | | 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 2023) | | | | | | | | | |
| TW-2S | 9/27/2022 | 25.15 | 18 - 28^ | 86.34 | 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" | -- |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---------|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| MW-2 | 9/27/2022 | 13.75 | 11.2 - 14.35 | 88.75 | 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 | 16.2 | | | 6.03 | 82.72 | N | 0" | No odor or sheen noted. |
| | 6/29/2017 | 14 | | | 5.78 | 82.97 | N | 0" | No odor or sheen noted. |
| MW-21 | 9/27/2022 | 33.03 | 11.28 - 32.2^ | 88.75 | 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 | 9/27/2022 | 21.24 | 13 - 23 | 93.53 | 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-171 | 9/27/2022 | -- | 23 - 45^ | 93.10 | -- | -- | -- | -- | 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 | | | 13.25 | 79.85 | N | 0" | No odor or sheen noted. |
| MW-17D | 9/27/2022 | 139.04 | 121 - 142.5^ | 93.29 | 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 | 9/27/2022 | 111.89 | 90 - 110.1^ | 96.37 | 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. |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---------|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| MW-34D | 9/27/2022 | -- | -- | -- | -- | -- | -- | -- | Decommissioned. |
| | 9/27/2021 | | | | | | | | |
| | 9/10/2019 | | | | | | | | |
| | 6/29/2017 | | | | | | | | |
| MW-36I | 9/27/2022 | 44.71 | 20 - 45^ | 94.2 | 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 | 9/27/2022 | 161.76 | 140 - 161^ | 94.22 | 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 | 9/27/2022 | 100.39 | 90 - 120^ | 78.66 | 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 | 9/27/2022 | 169.85 | 150 - 170.1^ | 78.64 | 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. |
| MW-39D | 9/27/2022 | 145.14 | 130.4 - 150.4^ | 91.90 | 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. |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|---|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|---|
| MW-40D | 9/27/2022 | 169.59 | 140 - 170 | 93.95 | 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 | 9/27/2022 | -- | 16.5 - 75^ | 87.93 | -- | -- | -- | -- | 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 2021-2022 | | | | | | | | | |
| TW-4 | 9/27/2022 | 76.18 | 15-75^ | 87.17 | 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 | 9/27/2022 | 14.78 | 11.6 - 16.85 | 90.84 | 3.09 | 87.75* | N | 0" | -- |
| MW-11 | 9/27/2022 | 72.90 | 45 - 75^ | 90.62 | 9.35 | 81.27 | Y | 102" | 8.5 ft of Saturated product, 58 ft of suspended product; 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 | 9/27/2022 | -- | 8.7 - 19.5 | 91.66 | -- | -- | 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 | 9/27/2022 | 43.20 | 22 - 43^ | 92.21 | 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 | 9/27/2022 | 26.20 | 14.5 - 25.5 | 95.95 | 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 | 9/27/2022 | 28.80 | 11 - 26 | 95.97 | 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. |
| MW-13 | 9/27/2022 | 47.85 | 44.7 - 55.5 | 96.04 | 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 | 9/27/2022 | 78.52 | 16 - 75^ | 87.47 | 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 | 75.1 | | | 8.10 | 79.37 | N | 0" | 2021 Well Inspections - Well in good condition. Bolt replacement needed. |

Table 1: Groundwater Gauging Table
2022 Groundwater Monitoring Event
Mechanicville Central Avenue Former MGP Site
Mechanicville, New York

| Well ID | Date Gauged | Total Depth ¹ (ft bTOC) | Screen Interval/Open Hole ⁴ (ft bTOC) | Reference Elevation (TOC) | Depth to Water (ft bTOC) | Groundwater Elevation ⁵ | NAPL Observed (Y/N) | NAPL Thickness (ft) | Notes |
|----------|-------------|---------------------------------------|---|---------------------------------|-----------------------------|---------------------------------------|------------------------|------------------------|--|
| MW-18 | 9/27/2022 | 35.10 | 28 - 38 | 93.54 | 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 | 9/27/2022 | 77.87 | 16-75^ | 87.05 | 8.39 | 78.66 | N | 0" | Well in good condition. |
| | 7/26/2021 | 75.5 | | | 7.72 | 79.33 | N | 0" | 2021 Well Inspections - Well in good condition. |
| MW-25I | 9/27/2022 | 31.46 | 27 - 47^ | 88.74 | 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 | 9/27/2022 | 24.41 | 11-16 | 96.03 | 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 | 9/27/2022 | 79.30 | 17.1 - 75^ | 86.42 | 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 | 73.7 | | | 8.25 | 78.17 | N | 0" | 2021 Well Inspections - Well in good condition. |
| MW-30S | 9/27/2022 | 29.31 | 10 - 25 | 95.62 | 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 | 9/27/2022 | 122.85 | 90 -121^ | 95.76 | 14.23 | 81.53 | | | 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 | 9/27/2022 | 112.76 | 91 - 111.5^ | 90.14 | 19.74 | 70.40* | 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:
1. Measured at the time of gauging
2. ft bTOC - feet below top of casing
3. -- Information not available.
4. ^ Denotes open hole
5. * Denotes anomalous 2022 groundwater elevations that were not used for contouring (MW-1, MW1D, MW-17D, MW-25I, MW-32D, and MW-42D).

Table 2 - Non-Aqueous Phase Liquid Monitoring 2016 - 2022
Former NYSEG Mechanicville Central Avenue 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) | NAPL Thickness (inches) | NAPL - Water Mixture Removed (gallons) | 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 | | September 2019 | | October 2020 | | September 2021 | | September 2022 | |
| TW-1 | 1.75 | 0 | 1.5 | 0 | 18 | 14 | 12 | 15 | 2.0 | 0 | 0.0 | 0 | 15.6 | 10.3 |
| TW-2I | 2.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | Unable to locate | 0 | Unable to locate | 0 |
| TW-3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| MW-1D | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| MW-10D | 1.5 | 0 | 1.5 | 0 | 20.25 | 3 | 1.5 | 0 | 0.25 | 0 | 2.0 | 0 | 2.0 | 0 |
| MW-33D | 0.0 | 0 | Trace NAPL | 0 | 0.0 | 0 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| MW-34D | Decommissioned | 0 | Decommissioned | 0 | Decommissioned | 0 | Decommissioned | 0 | Decommissioned | 0 | Decommissioned | 0 | Decommissioned | 0 |
| MW-35I | Not Accessible | 0 | Unable to Locate | 0 | Not Accessible | 0 | 18 | 20 | 4.0 | 0 | 3.5 | 0 | 0.0 | 0 |
| MW-42D | 5.0 | 0 | 5.0 | 0 | 1.0 | 0 | 1.0 | 0 | Not Accessible | 0 | 0.0 | 0 | 0.0 | 0 |
| MW-44I | Not Accessible | 0 | Unable to Locate | 0 | Destroyed | 0 | Destroyed | 0 | Destroyed | 0 | Destroyed | 0 | Destroyed | 0 |
| MW-45I | 3.5 | 0 | 1.5 | 0 | 48 | 19 | 8.0 | 10 | 5.0 | 0 | Blebs | 0 | 39.6 | 18.4 |
| MW-1I | - | - | - | - | - | - | - | - | - | - | - | - | 102 | 35.8 |
| Total NAPL - Water Mixture Removed (Gallons) | 0 | 0 | - | 0 | - | 36 | - | 45 | - | 0 | - | 0 | - | 64.5 |

Appendix A – Stream Monitoring Form



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

| Item | Comments |
|----------------------------|---|
| Cloud Cover: | 45% |
| Sun Angle: | Unknown, sun not visible |
| Precipitation: | None |
| Time Start: | 905 |
| Time End: | 920 |
| Anthony Kill | |
| Sheen? | 09/27/22 - 1 area prior to probing, multiple areas after probing 09/30/22 (after rainfall event) - multiple areas (no probing performed) |
| # Blebs | None |
| Frequency | N/A |
| Location of Observation | 25 ft upstream of bridge |
| Water Level from Mark | NA |
| Stream Elevation | Medium to low stage |
| Sediments Probed? | Yes |
| Observation after probing? | On 09/27/22, multiple areas of sheen observed following sediment probing that quickly dissipated. |
| Streambank | |
| Streambank stabilized? | Yes |
| Approx. % vegetation cover | 95% |
| Health of vegetation | Healthy, lush |
| Number of trees | 50% trees |
| Soil Cover | 100% where vegetation is growing, 0% on rip rap |

Name of Inspector: Mike Izdebski
Inspector's Company: AECOM

Signature of Inspector: Mike Izdebski
Date: 9/27/2022, 9/30/2022

Appendix B – Photo Log

Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 1

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-1

Well is in good condition. Requires bolt replacement.

**Photograph No. 2**

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-1D

Well is in good condition. Needed to be dug out. Requires bolt replacement.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 3

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-2

Well is in poor condition. Requires J-Plug and bolt replacement.



Photograph No. 4

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-2I

Well is in poor condition. Requires J-Plug and bolt replacement.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 5

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-10D

Well is in poor condition. Needs J-Plug and additional bolts.



Photograph No. 6

Date: 09/28/2022

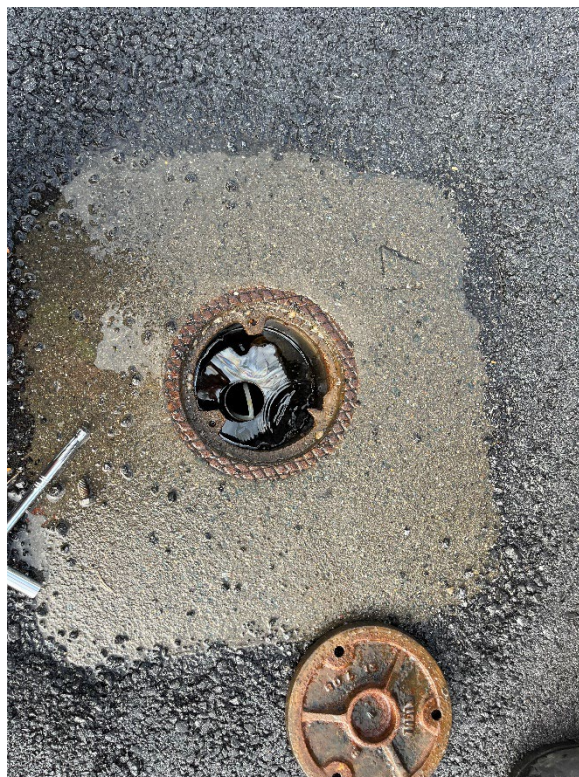
Direction Photo Taken:

Downward

Description:

MW-17

Well is in poor condition. Needs J-Plug and bolts.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 7

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-17D

Well is in poor condition. Flush mount does not fit. 2" PVC loose in casing. Flooded upon opening. No bolts. Recommend decommissioning.



Photograph No. 8

Date: 09/28/2022

Direction Photo Taken:

North

Description:

MW-17I

Former location of MW-17I adjacent to MW-17D. MW-17I has been paved over and is no longer accessible.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 9

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-20D

Well is in poor condition. Requires proper well cap.



Photograph No. 10

Date: 09/28/2022

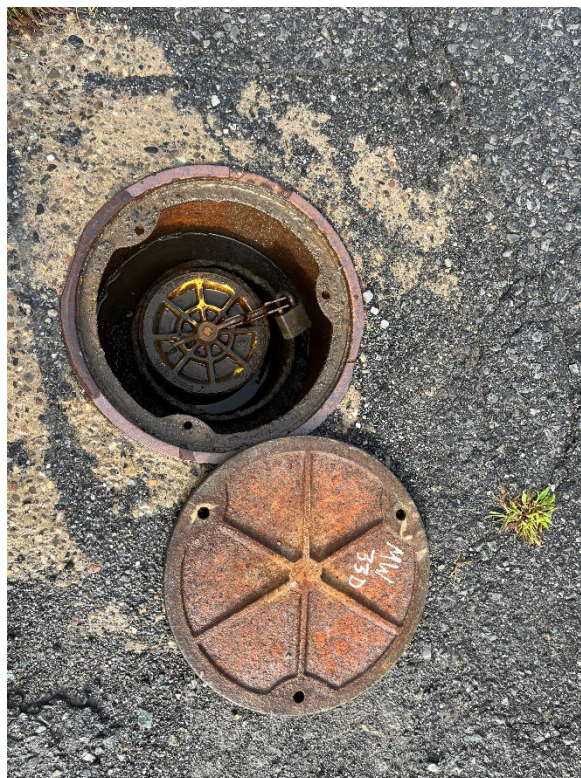
Direction Photo Taken:

Downward

Description:

MW-33D

Well is in good condition. Needs additional bolts.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 11

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-35I

Well is in good condition. Needs additional bolts.



Photograph No. 12

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-36D

Well is in good condition. Needs additional bolts.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 13

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-36I

Well is in good condition. Needs additional bolts.



Photograph No. 14

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-38I and 38D

MW-38I: Poor condition. No casing cover or J plug on PVC.

MW-38D: Well is in good condition. Needs additional bolts.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 15

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-39D

Well is good condition.
Requires additional bolts.



Photograph No. 16

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-40D

Well is in poor condition. Road box needs to be replaced.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 17

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-42D

Well is in poor condition. Well needs road box and possibly redevelopment or replacement.

**Photograph No. 18**

Date: 09/28/2022

Direction Photo Taken:

Downward

Description:

MW-45I

Well is in poor condition. Only accessible by removing entire casing cover.



Facility Name:
Mechanicville Former MGP Site

Site Location: Mechanicville, New York

Project No.
60675881

Photograph No. 19

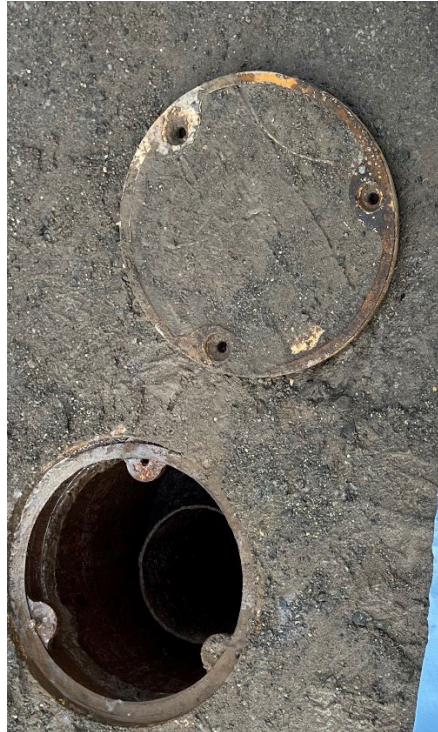
Date: 09/28/2022

Direction Photo Taken:
East

Description:

TW-1

Well is in poor condition. Needs J-Plug and bolts.

**Photograph No. 20**

Date: 09/28/2022

Direction Photo Taken:


North

Description:

TW-2S

Well is in poor condition. Needs J-Plug and additional bolts.



| | | | |
|---|---|---|--------------------------------|
| Facility Name: Mechanicville Former MGP Site | | Site Location: Mechanicville, New York | Project No. 60675881 |
| Photograph No. 21 |  | | |
| Date: 09/28/2022 | | | |
| Direction Photo Taken: North | | | |
| Description: TW-3 Well is in good condition. Needs bolt replacement. | | | |

Appendix C – Site Inspection Form



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 | | | In areas with no vegetation, rip rap is present. |
| 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 | | Well network rehabilitation recommended based on outcomes of review conducted in conjunction with this monitoring event. |
| 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 | | Refer to Report Section 2.5 for a summary of the Well Network Assessment. |
| 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 | | | Refer to Report Section 3 for a summary of NAPL collected. |
| Are there any DNAPL drums on-site that need disposal? | X | | | |

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

Name of Inspector: Mike Izdebski
Inspector's Company: AECOM

Signature of Inspector: Mike Izdebski
Date: 9/27/2022

