NEU-VELLE LLC

March 18, 2025

Mr. Michael Squire
New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway
Albany, New York 12233

Re: Fifth Post-Remediation Groundwater Sampling Report – November 2024
NYSEG Newark Former MGP Site
Corner of Main Street and West Shore Boulevard
Village of Newark, Wayne County, New York
NYSDEC Site No. 859021

Dear Mr. Squire:

This report presents the findings of the fifth (5th) post-remediation groundwater sampling event completed at the New York State Electric & Gas Corporation (NYSEG) Newark Former Manufactured Gas Plant (MGP) site [New State Department of Environmental Conservation (NYSDEC) Site No. 859021], located at the corner of Main Street and West Shore Boulevard in the Village of Newark, Wayne County, New York (referred to herein as the "Site"). This groundwater sampling event was completed by NEU-VELLE, LLC (NEU-VELLE) personnel in coordination with NYSEG, pending the adoption of a Site Management Plan (SMP) for the Site.

SCOPE OF WORK

Synoptic Water Levels

On November 4, 2024, groundwater levels were collected from six (6) existing monitoring wells on and around the Site. The locations of the monitoring wells are depicted on the Site Plan provided as **Figure 1**. Each well was also gauged for the presence of non-aqueous phase liquid (NAPL) using an oil/water interface probe. NAPL was not detected in any of the wells. The Site-wide round of groundwater level measurements is summarized in **Table 1** and inferred groundwater elevation contours are presented on **Figure 2.**

Groundwater Sampling

From November 5 through November 6, 2024, groundwater samples were collected from six (6) existing monitoring wells on and around the Site. Groundwater samples were collected using low-flow methods.

Prior to initiating low-flow purging, field personnel donned new nitrile gloves, and care was taken to avoid introducing contaminants into the groundwater monitoring wells. Low-flow purging was conducted using a decontaminated, stainless steel bladder pump equipped with a polyethylene bladder and polyethylene tubing. A new, clean bladder and new, clean tubing were used at each groundwater monitoring well. During purging, water-level measurements, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), pH, turbidity, and specific conductance (purge parameters) were measured and recorded using calibrated field monitoring equipment.

The well information, sample information, monitoring parameters, and field observations were recorded on a groundwater sample log completed at each well. The groundwater sample logs are provided as **Attachment 1**.

Collection of Laboratory Samples

New nitrile gloves were donned by field personnel prior to the collection of each groundwater sample. The laboratory samples were collected in laboratory-supplied sample containers. Samples were placed in a cooler, pre-chilled with ice, and submitted under standard chain of custody protocols to Paradigm Environmental Services, Inc. (Paradigm) of Rochester, New York. The groundwater samples were analyzed for the following:

- volatile organic compounds (VOCs), BTEX (benzene, toluene, ethylbenzene, and xylene) only, in accordance with USEPA Method 8260C;
- semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs) only, in accordance with USEPA Method 8270D; and
- total cyanide in accordance with USEPA Method 335.4.

Copies of the chain of custody forms are included in **Attachment 3**. Quality Assurance/Quality Control (QA/QC) samples, including one (1) equipment blank sample, one (1) field duplicate sample (collected at MW-10-04), one (1) trip blank, and matrix spike/matrix spike duplicate (MS/MSD) samples were collected.

Reporting of Results

Copies of the laboratory analytical reports are presented in **Attachment 3,** and the analytical results are summarized in **Table 2** of this report. **Table 2** also summarizes analytical data for the field duplicate QA/QC sample collected during this sampling event.

Waste Disposal

Purged groundwater and decontamination water were containerized in a 55-gallon, polyethylene drum that was labeled and staged at the Site. This wastewater will then be properly disposed, with disposal documentation submitted to the NYSDEC under separate cover.

RESULTS

Analytical Results

The groundwater sample analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Class GA, standards, criteria, and guidance values (SCGs).

The analytical results for groundwater samples are summarized in **Table 2** and **Figure 3,** as follows:

- no BTEX compounds were reported in the groundwater samples collected during this sampling event;

- no PAHs were reported in the groundwater samples collected during this sampling event; and
- total cyanide was detected in the groundwater samples collected from monitoring wells MW-22-01 (0.010 milligrams per liter or mg/L).

The analytical results for the QA/QC samples are summarized as follows:

- no detections of BTEX, PAHs or total cyanide were reported between the "parent sample" and the field duplicate sample collected at MW-10-04;
- no detections of BTEX, PAHs, or total cyanide were reported in the "equipment blank" sample; and
- no detections of BTEX compounds were reported in the "trip blank" sample.

Groundwater Mapping

A groundwater elevation contour map was prepared based upon the water levels measured on November 4, 2024, from six (6) groundwater monitoring wells at the Site. This groundwater elevation contour map is provided as **Figure 2**, and the inferred groundwater flow direction is interpreted to be toward the center of the Site with a possible overall area flow to the northeast, which appears consistent with historic depictions groundwater flow at the Site (i.e., as depicted in the Remedial Investigation Report). Groundwater flow may still be influenced by a former stream (Military Brook) that had been filled in prior to the hotel construction, as depicted on **Figure 2**.

CONCLUSIONS

This report presents the results of the fifth (5^{th}) post-remediation groundwater sampling event completed at the NYSEG Newark Former MGP site (NYSDEC Site No. 859021).

No BTEX or PAH compounds were reported in the groundwater samples collected during this sampling event.

A low-level cyanide detection was reported in monitoring well adjacent to the former MGP Site (MW-22-01). These detections were below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

Time series plots of contaminants (PAHs and cyanide) over the five groundwater sampling events (June 2022 through November 2024) are provided as **Attachment 2**. A time series plot was not provided for BTEX compounds as there were no detections of these compounds during the monitoring period. The time series for PAHS generally depicts a rise in total PAH concentrations during the two groundwater sampling events of 2023. This is attributed to the lower detection levels of the laboratory used during these events, as a result of a different laboratory being used and the Site detection limits were not correctly communicated to the laboratory. The time series for cyanide depicts an overall downward trend over the monitoring period, with all results well below the TOGS 1.1.1 Class GA SCG for total cyanide (0.2 mg/L).

10 Jones Avenue, Rochester, New York 14608
WWW.NEU-VELLE.COM

Based on the results of the last five groundwater sampling events, RG&E is proposing the following modifications to the Site groundwater sampling program:

- Remove BTEX and cyanide analyses from sampling;
- Reduce the sampling frequency to once per year;
- Continue sampling the seven (7) existing monitoring wells (including MW-10-03 when accessible) on and around the Site for PAHs on an annual basis (targeting September), for a three (3) year monitoring period (2026 – 2028); and
- PAH analysis will be changed to the low-level detection limits utilizing USEPA Method 8270 SIM.

These proposed modifications will allow for the continued monitoring of the low-level PAHs detected for natural attenuation. Following the proposed 3-year monitoring period, RG&E and the NYSDEC will review the groundwater sampling results to evaluate the need for continued monitoring.

Please feel free to contact Logan Reid, at (585) 478-3167 or lreid@neu-velle.com with any questions you may have regarding this letter report, or contact Mr. Jeremy Wolf, NYSEG's Project Manager for the Site, at (585) 500-8392.

Sincerely,

Andrew Rothfuss

Andrew Rothfuss
NEU-VELLE LLC

cc: Jeremy Wolf – NYSEG

Attachments:

Table 1 – Monitoring Well Reference Data and Groundwater Measurements

Table 2 – Analytical Detections in Groundwater

Figure 1 – Site Plan

Figure 2 – Groundwater Elevation Contours

Figure 3 – Analytical Detections in Groundwater

Attachment 1 – Groundwater Sample Logs

Attachment 2 – Time Series Plots of Contaminants

Attachment 3 – Groundwater Laboratory Reports and Chain of Custody Forms

10 Jones Avenue, Rochester, New York 14608
WWW.NEU-VELLE.COM

Tables

NEU-VELLE LLC

Table 1
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Monitoring Well Reference Data and Groundwater Measurements

		June 23-24, 2022		May 24-26, 2023		November 2, 2023		May 8, 2024		November 4th, 2024	
Well ID	Top of PVC Riser (MP) Elevation (Feet NAVD88)	Depth to Water (Feet below MP)	Groundwater Elevation (Feet NAVD88)	Depth to Water (Feet below MP)	Groundwater Elevation (Feet NAVD88)	Depth to Water (Feet below MP)	Groundwater Elevation (Feet NAVD88)	Depth to Water (Feet below MP)	Groundwater Elevation (Feet NAVD88)	Depth to Water (Feet below MP)	Groundwater Elevation (Feet NAVD88)
MW-10-01	440.88	14.4	426.48	14.2	426.68	15.2	425.68	13.50	427.38	14.74	426.14
MW-22-01 (replacement for MW-10-02)	441.24	15.4	425.84	15.4	425.84	15.6	425.64	14.95	426.29	15.80	425.44
MW-10-03	441.49	15.0	426.49	15.2	426.29	NM	NM	14.65	426.84	NM	NM
MW-10-04	440.80	9.6	431.20	11.1	429.70	11.4	429.40	9.99	430.81	11.62	429.18
MW-11-05	439.95	14.1	425.85	13.9	426.05	14.5	425.45	13.62	426.33	14.50	425.45
MW-1A	441.10	11.0	430.10	12.6	428.50	12.6	428.50	12.10	429.00	12.26	428.84
MW-3A	441.31	12.1	429.21	12.0	429.31	13.4	427.91	11.39	429.92	13.01	428.30

Notes:

1. Top of PVC Riser Elevations obtained from Table 3 of Remedial Investigation Report (RIR) by ARCADIS, dated July 2012, except for MW-22-01 that was surveyed following the Remedial Action.
2. Depths to water measured by NEU-VELLE on date(s) indicated.
3. "Elevations given in feet Above Mean Sea Level (AMSL), 1988 North American Vertical Datum (NAVD)." per ARCADIS RIR.
4. MP = Measuring Point
4. NM = Not measured due to well being inaccessible

NEU-VELLE

Table 2
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Groundwater Sample Analytical Results

Sampling Location			MW10-04		MW10-04		MW10-04		MW10-04		MW10-04				MW10-01		MW10-01				MW10-01				MW-10-01		MW-10-01	
Sample ID			MW10-04/SB19		MW10/04-052523		MW10/04-110223		NK-MW-10-04-051024		NK_MW-10-04_110624		NK_Dup_110624		MW10/01-052423		MW10-01/SB11		Dupe-052423		MW10/01-110423		Dupe-110423		NK-MW-10-01-050924		NK_MW-10-01-110624	
Sample Date			6/23/2022		5/25/2023		11/2/2023		5/10/2024		11/6/2024				6/24/2022		5/24/2023				11/4/2023				5/9/2024		11/6/2024	
Laboratory Identification			222996-01		2329862-05		235187-01		242104-09		245251-04		245251-04		223014-02		2329862-01		2329862-02		235187-06		235187-07		242104-05		245251-07	
Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
BTEX																												
Benzene	1	µg/L	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	0.50	ND	0.50	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Toluene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00
Ethylbenzene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00
m,p-Xylene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00
o-Xylene		µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00
PAHs																												
Acenaphthene	20	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Acenaphthylene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Anthracene	50	µg/L	ND	5.0	**0.09 J**	0.1	**0.06 J**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Benzo(a)anthracene	0.002	µg/L	ND	5.0	**0.58**	0.1	**0.48**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.06 J**	0.1	**0.04 J**	0.1	**0.04 J**	0.1	**0.04 J**	0.1	ND	10.1	ND	11.3
Benzo(a)pyrene	ND	µg/L	ND	10.0	**1.8**	0.1	**1.3**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	10.0	**0.1**	0.1	**0.08 J**	0.1	**0.05 J**	0.1	**0.05 J**	0.1	ND	10.1	ND	11.3
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	**3.7**	0.1	**2.5**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	10.0	**0.15 J**	0.1	**0.14**	0.1	**0.07 J**	0.1	**0.08 J**	0.1	ND	10.1	ND	11.3
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	**2.6**	0.1	**2.2**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	10.0	**0.11**	0.1	0.10	0.1	**0.07 J**	0.1	**0.07 J**	0.1	ND	10.1	ND	11.3
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	**0.85**	0.1	**0.75**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	10.0	**0.05 J**	0.1	**0.04 J**	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	**0.36**	0.1	**0.3**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Chrysene	0.002	µg/L	ND	5.0	**1.7**	0.1	**1.1**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.08 J**	0.1	ND	0.1	**0.04 J**	0.1	ND	0.1	ND	10.1	ND	11.3
Fluoranthene	50	µg/L	ND	5.0	**2.3**	0.1	**1.3**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.12**	0.1	**0.11**	0.1	**0.06 J**	0.1	**0.06 J**	0.1	ND	10.1	ND	11.3
Fluorene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	5.0	**2.4**	0.1	**2.2**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.1**	0.1	**0.10 J**	0.1	**0.07 J**	0.1	**0.07 J**	0.1	ND	10.1	ND	11.3
Naphthalene	10	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1	ND	11.3
Phenanthrene	50	µg/L	ND	5.0	**0.44**	0.1	**0.25**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.07 J**	0.1	ND	0.1	**0.02 J**	0.1	**0.1**	0.1	ND	10.1	ND	11.3
Pyrene	50	µg/L	ND	5.0	**1.9**	0.1	**1.1**	0.1	ND	10.3	ND	10.9	ND	12.4	ND	5.0	**0.1**	0.1	**0.09 J**	0.1	**0.05 J**	0.1	**0.05 J**	0.1	ND	10.1	ND	11.3
Cyanide																												
Cyanide, Total	0.2	mg/L	ND S	0.010	ND	0.005	ND S	0.010	ND	0.010	ND	0.010	ND	0.010	ND S	0.010	ND	0.005	**0.002 J**	0.005	ND SN	0.010	ND S	0.010	ND	0.010	ND	0.010

Notes:
1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NT = not tested, NS = No standard, and ND = non-detect
4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
5. S is a laboratory data qualifier indicating "Laboratory Control Sample (LCS) Spike below accepted limits"
6. N is a laboratory data qualifier indicating "Matrix Spike below accepted limits"
7. J is a laboratory data qualifier indicating "Result estimated between the quantitation limit and half the quantitation limit."
8. **Bold Sample result** = compound was detected.
9. **Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**

Table 2
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Groundwater Sample Analytical Results

Sampling Location			MW-3A		MW-3A		MW-3A		MW-3A		Duplicate (MW-3A)		MW-3A		MW11-05		MW11-05		MW11-05		MW-11-05		MW-11-05	
Sample ID			MW-3A		MW3A-052423		MW3A-110323		NK-MW3A-050924		NK-Dup-050924		NK_MW-3A_110624		MW11-05/SB47		MW11-05/052623		MW11/05-110323		NK-MW-11-05-050924		NK_MW-11-05_110524	
Sample Date			6/24/2022		5/24/2023		11/3/2023		5/9/2024				11/6/2024		6/24/2022		5/25/2023		11/3/2023		5/9/2024		11/5/2024	
Laboratory Identification			223014-03		2329862-03		235187-04		242104-04		242104-07		245251-08		223014-04		2329862-04		235187-05		242104-01		242104-01	
Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit
BTEX																								
Benzene	1	µg/L	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00
Toluene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
Ethylbenzene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
m,p-Xylene	5	µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
o-Xylene		µg/L	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
PAHs																								
Acenaphthene	20	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Acenaphthylene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Anthracene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	**0.04 J**	0.1	ND	10.5	ND	11.2
Benzo(a)anthracene	0.002	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Benzo(a)pyrene	ND	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	10.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	ND	0.1	**0.02 J**	0.1	ND	11.0	ND	11.2	ND	12.7	ND	10.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	10.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	10.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Chrysene	0.002	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Fluoranthene	50	µg/L	ND	5.0	**0.02 J**	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Fluorene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Naphthalene	10	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Phenanthrene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	**0.03**	0.1	ND	0.1	ND	10.5	ND	11.2
Pyrene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	12.7	ND	5.0	ND	0.1	ND	0.1	ND	10.5	ND	11.2
Cyanide																								
Cyanide, Total	0.2	mg/L	ND S	0.010	**0.004 J**	0.005	ND S	0.010	ND	0.010	ND	0.010	ND	0.010	ND S	0.010	**0.008**	0.005	ND S	0.010	**0.019**	0.010	ND	0.010

Notes:
1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NT = not tested, NS = No standard, and ND = non-detect
4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
5. S is a laboratory data qualifier indicating "Laboratory Control Sample (LCS) Spike below accepted limits"
6. N is a laboratory data qualifier indicating "Matrix Spike below accepted limits"
7. J is a laboratory data qualifier indicating "Result estimated between the quantitation limit and half the quantitation limit."
8. **Bold Sample result** = compound was detected.
9. **Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.**

Table 2
New York State Electric & Gas - Newark Former MGP Site, Newark, NY
NYSDEC Site No. 859021
Groundwater Sample Analytical Results

Sampling Location			MW-1A		MW-1A		MW-1A		MW-1A		MW-1A		MW-1A		MW10-03		MW 10-03		MW-10-03		MW-22-01[8]		MW-22-01		MW-22-01		MW-22-01		MW-22-01	
Sample ID			MW-1A	MW1A-FIELDDUPLICATE	MW1A-052623		MW1A-110223		NK-MW1A-05102024		NK_MW-1A_110524		MW10-03/SB16		MW10/03-052523		NK-MW-10-03-050924		MW-22-01		MW22/01-052623		MW22/01-110223		NK-MW-22-01-050924		NK-MW-22-01-110524	
Sample Date			6/23/2022		5/25/2023		11/2/2023		5/10/2024		11/5/2024		6/24/2022		5/25/2023		5/9/2024		7/8/2022		5/26/2023		11/22/2023		5/9/2024		11/5/2024			
Laboratory Identification			222996-02	222996-03	2329862-07		235187-02		242104-08		245251-03		223014-05		2329862-06		242104-06		223239-01		2329862-08		235187-03		242104-02		242104-02			
Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Result	Reporting Limit	Results	Reporting Limit	Results	Reporting Limit		
BTEX																														
Benzene	1	µg/L	ND	1.00	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00
Toluene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
Ethylbenzene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
m,p-Xylene	5	µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
o-Xylene		µg/L	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.50	ND	2.00	ND	2.00	ND	2.00
PAHs																														
Acenaphthene	20	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Acenaphthylene	NS	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Anthracene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Benzo(a)anthracene	0.002	µg/L	ND	5.0	ND	5.0	**0.06 J**	0.1	**0.15**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	**0.03 J**	0.1	ND	10.4	ND	11.0
Benzo(a)pyrene	ND	µg/L	ND	10.0	ND	10.0	**0.14**	0.1	**0.39**	0.1	ND	9.82	ND	11.20	ND	10.0	ND	0.1	ND	10.2	ND	10.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	ND	10.0	**0.25**	0.1	**0.71**	0.1	ND	9.82	ND	11.20	ND	10.0	ND	0.1	ND	10.2	ND	10.0	**0.01 J**	0.1	**0.05 J**	0.1	ND	10.4	ND	11.0
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	ND	10.0	**0.21**	0.1	**0.69**	0.1	ND	9.82	ND	11.20	ND	10.0	ND	0.1	ND	10.2	ND	10.0	ND	0.1	**0.04 J**	0.1	ND	10.4	ND	11.0
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	ND	10.0	**0.06 J**	0.1	**0.23**	0.1	ND	9.82	ND	11.20	ND	10.0	ND	0.1	ND	10.2	ND	10.0	**0.01 J**	0.1	ND	0.1	ND	10.4	ND	11.0
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	ND	5.0	**0.03 J**	0.1	**0.09 J**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Chrysene	0.002	µg/L	ND	5.0	ND	5.0	**0.13**	0.1	**0.36**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.04 J**	0.1	ND	0.1	ND	10.4	ND	11.0
Fluoranthene	50	µg/L	ND	5.0	ND	5.0	**0.20**	0.1	**0.45**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.04 J**	0.1	ND	0.1	ND	10.4	ND	11.0
Fluorene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Indeno(1,2,3-cd)pyrene	0.002	µg/L	ND	5.0	ND	5.0	**0.18**	0.1	**0.68**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	**0.04 J**	0.1	ND	10.4	ND	11.0
Naphthalene	10	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4	ND	11.0
Phenanthrene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	**0.1**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.03 J**	0.1	ND	0.1	ND	10.4	ND	11.0
Pyrene	50	µg/L	ND	5.0	ND	5.0	**0.17**	0.1	**0.37**	0.1	ND	9.82	ND	11.20	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.07 J**	0.1	**0.05 J**	0.1	ND	10.4	ND	11.0
Cyanide																														
Cyanide, Total	0.2	mg/L	ND SN	0.010	ND S	0.010	**0.002** J	0.005	ND S	0.010	ND	0.010	ND	0.010	ND S	0.010	ND	0.005	ND	0.010	**0.034**	0.010	**0.026**	0.005	**0.011 S**	0.010	**0.023 N**	0.010	**0.010**	0.010

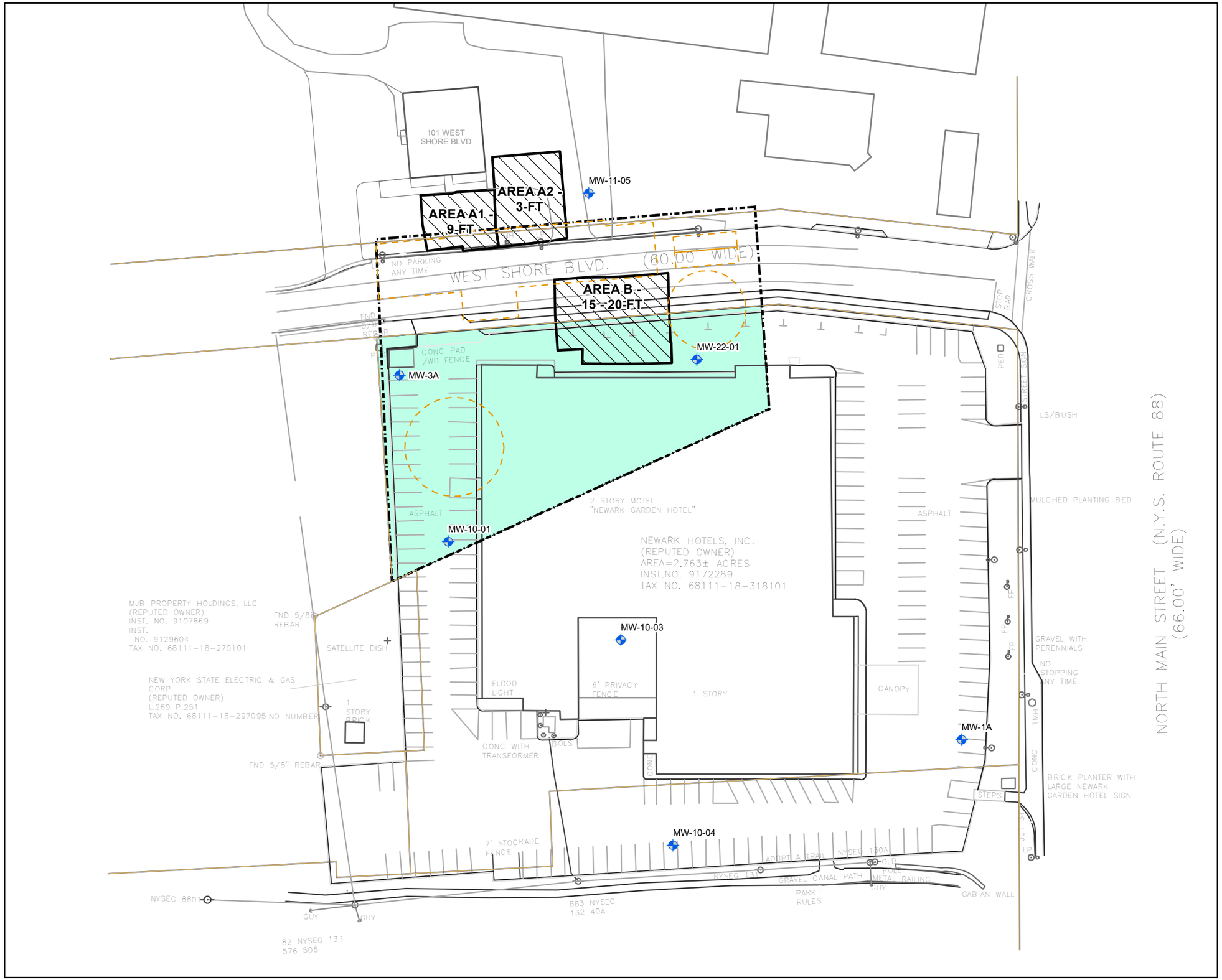
Notes:
1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NT = not tested, NS = No standard, and ND = non-detect
4. Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards and Groundwater Effluent Limitations, June 1998.
5. S is a laboratory data qualifier indicating "Laboratory Control Sample (LCS) Spike below accepted limits"
6. J is a laboratory data qualifier indicating "Result estimated between the quantitation limit and half the quantitation limit."
7. N is a laboratory data qualifier indicating "Matrix spike below acceptable limit."
8. **Bold Sample result** = compound was detected.
9. Gray shading indicates the sample result is above the TOGS 1.1.1 Standards, Criteria and Guidance Value.

Figures

NEU-VELLE LLC

C:\Users\LoganReid\Neu-Velle LLC\Public - Documents_Clients\RG&E\Newark\Docs\DWG\MXD\SMP2_Newark_Site_Plan_ICs.mxd

FIGURE 1



LEGEND

- MONITORING WELL (ACTIVE)
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP SITE
- HISTORIC MGP INFRASTRUCTURE
- SOIL REMOVAL AREA (WITH DEPTHS)
- INSTITUTIONAL CONTROL BOUNDARY

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

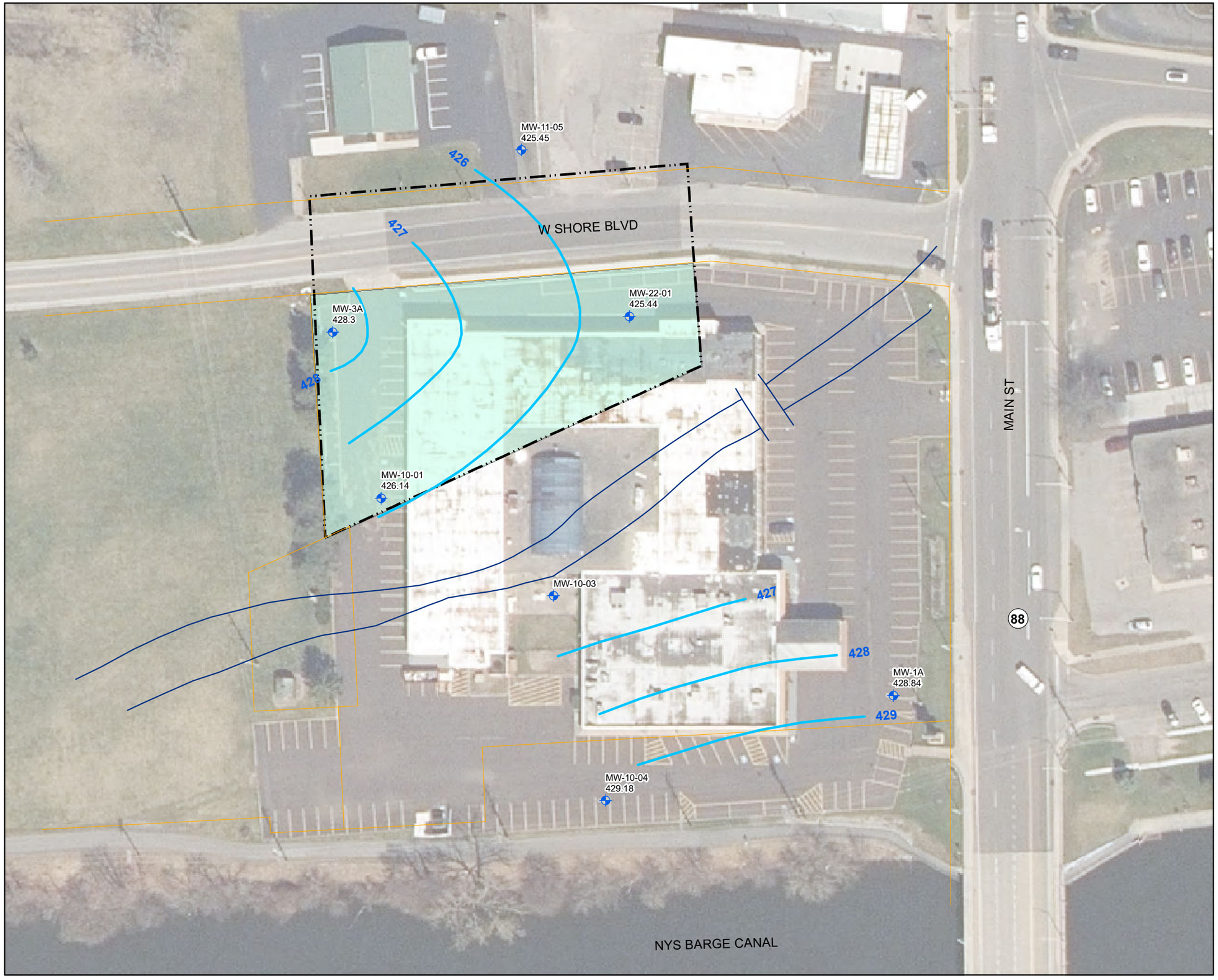
SITE PLAN AND INSTITUTIONAL CONTROL BOUNDARIES

0 30 60 120
Feet

MARCH 2025

NEU-VELLE LLC

FIGURE 2



N

LEGEND

- MONITORING WELL
- INFERRED GROUNDWATER ELEVATION CONTOUR
- FORMER LOCATION OF MILITARY BROOK
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP BOUNDARY
- INSTITUTIONAL CONTROL BOUNDARY

NOTES:
1. AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE, IMAGERY DATE SPRING 2023.
2. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 4, 2024.

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

GROUNDWATER ELEVATION CONTOURS NOVEMBER 2024

0 30 60 120
Feet

MARCH 2025

NEU-VELLE LLC

FIGURE 3

Sample Location			MW-22-01	
Sample Date			11/5/2024	
Sample Identification			NK-MW-22-01-110524	
Analyte	TOGS 1.1.1 Class GA SCG	Units	Result	Reporting Limit
Cyanide				
Cyanide, Total	0.2	mg/L	**0.010**	0.010

N

LEGEND

- MONITORING WELL (SAMPLED)
- FORMER LOCATION OF MILITARY BROOK
- PROPERTY LINES/ROW
- APPROXIMATE FORMER MGP BOUNDARY
- INSTITUTIONAL CONTROL BOUNDARY

NOTES:
1. AERIAL IMAGERY PROVIDED BY NYS GIS CLEARINGHOUSE, IMAGERY DATE SPRING 2018.

NEW YORK STATE ELECTRIC & GAS CORPORATION
NEWARK FORMER MGP SITE
NYSDEC SITE NO. 8-59-021
NEWARK, NEW YORK

ANALYTICAL DETECTIONS IN GROUNDWATER NOVEMBER 2024

0 30 60 120
Feet

MARCH 2025

NEU-VELLE LLC

Attachment 1

Groundwater Sampling Logs

NEU-VELLE LLC

NEU-VELLE, LLC

Low Flow Ground Water Sampling Log

Date	11/05/2024	Personnel	Andrew Rothfuss	Weather	60°F
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-11-05
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 19.6 ± ft.
Depth to Water * 14.5 ft. 11/04/2024
Length of Water Column 0800 ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

NO NAPL

Start Purge Time: _____

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0805	—	16.5	7.04	2.131	211.8	3.07	39.1	200
0810	14.54	16.6	7.03	2.126	217.2	1.93	32.2	↓
0815	14.54	17.0	7.03	2.039	238.4	4.88	34.1	
0820	14.56	17.1	7.01	1.966	252.8	4.64	37.4	
0825	14.55	17.2	6.99	1.908	261.3	5.26	29.1	
0830	14.55	17.3	6.97	1.875	266.7	5.04	26.9	
0835								

End Purge Time: 830

Water sample:

Time collected: 835

Total volume of purged water removed: 1.5 gal ±

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product None

Physical appearance at sampling
Color CLEAR
Odor None
Sheen/Free Product None.

"NK-MW-11-05_110524"

Analytical Parameters:

NEU-VELLE, LLC — **Low Flow Ground Water Sampling Log**

Date	11 / 05 /2024	Personnel	Andrew Rothfuss	Weather	
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-22-01
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 20.7 ft.
Depth to Water * ~~15.8~~ ft. 11/4/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

No NAPL

Start Purge Time: 0935

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0940	—	16.8	6.94	1.699	276.6	2.19	36.7	200
945	15.98	16.9	6.93	1.560	278.6	3.24	66.8	
950	16.04	16.9	6.85	1.462	279.1	1.30	67.0	
955	16.05	16.8	6.83	1.436	~~278.3~~	7.90	60.4	
1000	16.05	16.9	6.83	1.425	278.9	7.54	95.7	
1005	16.05	16.9	6.83	1.416	112.5	2.19	42.2	

End Purge Time: 1005

MS/MSD

Water sample:

Time collected: 1010

Total volume of purged water removed: 1.5 gal ±

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product None

Physical appearance at sampling
Color
Odor
Sheen/Free Product

" NK-MW-22-01_110524 "

Analytical Parameters:

NEU-VELLE, LLC — **Low Flow Ground Water Sampling Log**

Date	11/05/2024	Personnel	Andrew Rothfuss	Weather	70°F
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-1A
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 18.0± ft.
Depth to Water * 12.26 ft. 11/4/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

No NAPL

Start Purge Time: 11:25

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
1130	—	19.0	7.04	1.347	267.5	2.56	16.3	200
1135	13.12	18.6	7.06	1.314	266.6	2.22	11.0	
1140	13.12	18.4	7.08	1.300	262.5	2.10	10.3	
1145	13.13	18.4	7.07	1.282	259.7	1.88	9.6	
1150	13.13	18.5	7.10	1.274	247.0	1.90	11.33	
1155	13.13	18.4	7.09	1.268	246.4	1.58	10.90	
1200								
1205								
1210								
[redacted]								

End Purge Time: 1155

Water sample:

Time collected: 1200

Total volume of purged water removed: 1.5 gal ±

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product None

Physical appearance at sampling
Color Clear
Odor None
Sheen/Free Product None

"NF-MW-1A-110524"

Analytical Parameters:

NEU-VELLE, LLC

Low Flow Ground Water Sampling Log

Date	11/6/2024	Personnel	Andrew Rothfuss	Weather	65°F Rain
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-10-04
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 19.7 ± ft.
Depth to Water * 11.62 ft. 11/4/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0835

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
0840	–	18.8	6.42	0.366	264.4	1.97	70.1	200
0845	12.05	18.6	6.34	0.337	176.0	2.23	13.5	
0850	12.12	18.6	6.25	0.316	198.8	2.54	14.1	
0855	12.17	18.6	6.33	0.377	219.7	2.85	12.3	
0900	12.36	18.6	6.48	0.464	220.5	2.68	12.0	
0905	12.41	18.7	6.51	0.467	224.1	2.69	11.8	
0910	12.46	18.7	6.54	0.501	231.0	2.71	11.9	

End Purge Time: 0910

Duplicate

Water sample:
Time collected: 915

Total volume of purged water removed: 2 gal ±

Physical appearance at start
Color: clear
Odor: None
Sheen/Free Product: None

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: None

" NK-MW-10-04-110624" " NK-DUP-110624"

Analytical Parameters:

NEU-VELLE, LLC — **Low Flow Ground Water Sampling Log**

Date	11/6/2024	Personnel	Andrew Rothfuss	Weather	65°F Rain
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-10-01
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 20.5 ft.
Depth to Water * 14.74 ft. 11/4/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

NO NAPL

Start Purge Time: ~~1045~~ 1050

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
1055	—	16.4	7.00	2.221	-32.2	2.48	28.3	200
1100	14.79	16.4	6.78	1.771	41.0	3.94	13.1	
1105	14.80	16.4	6.77	1.723	54.5	4.32	10.9	
1110	14.81	16.4	6.75	1.642	88.8	4.62	11.77	
1115	14.81	16.4	6.74	1.645	126.9	5.41	9.38	
1120	14.82	16.4	6.74	1.579	138.5	5.14	9.36	
1125	14.82	16.4	6.74	1.573	145.9	5.14	9.30	

End Purge Time: 1125

"NK_EB_110624" @0945

Water sample:

Time collected: 1130

Total volume of purged water removed: 2 gal ±

Physical appearance at start
Color Clear
Odor Slight Petro odor
Sheen/Free Product None

Physical appearance at sampling
Color Clear
Odor none
Sheen/Free Product None.

4 NK_MW-10-01_110624

Analytical Parameters:

NEU-VELLE, LLC

Low Flow Ground Water Sampling Log

Date	11/6 /2024	Personnel	Andrew Rothfuss	Weather	60°F Rain
Site Name	MGP Newark	Evacuation Method	Bladder Pump 1.75-in. dia.	Well #	MW-3A
Site Location	Newark NY	Sampling Method	Bladder Pump 1.75-in. dia.	Project #	

Well information:

Depth of Well * 21± ft.
Depth to Water * 13.01 ft. 11/4/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

NO NAPL

Start Purge Time: 12:15

Time	Depth To Water (Ft. BTOC)	Temperature (°C)	pH	Conductivity (µs/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)
1220	–	16.0	7.05	2.759	102.2	2.29	23.7	200
1225	13.07	15.9	7.03	2.709	34.8	3.38	16.9	
1230	13.10	15.9	7.05	2.594	43.5	4.76	16.3	
1235	13.11	15.8	7.07	2.457	51.8	5.83	13.7	
1240	13.11	15.8	7.08	2.389	54.9	5.84	12.7	
1245	13.12	15.8	7.09	2.312	60.1	5.85	11.7	

End Purge Time: 1245

Water sample:

Time collected: 1250

Total volume of purged water removed: 2 gal

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product None

Physical appearance at sampling
Color Clear
Odor None
Sheen/Free Product None

"NK_MW-3A_110624"

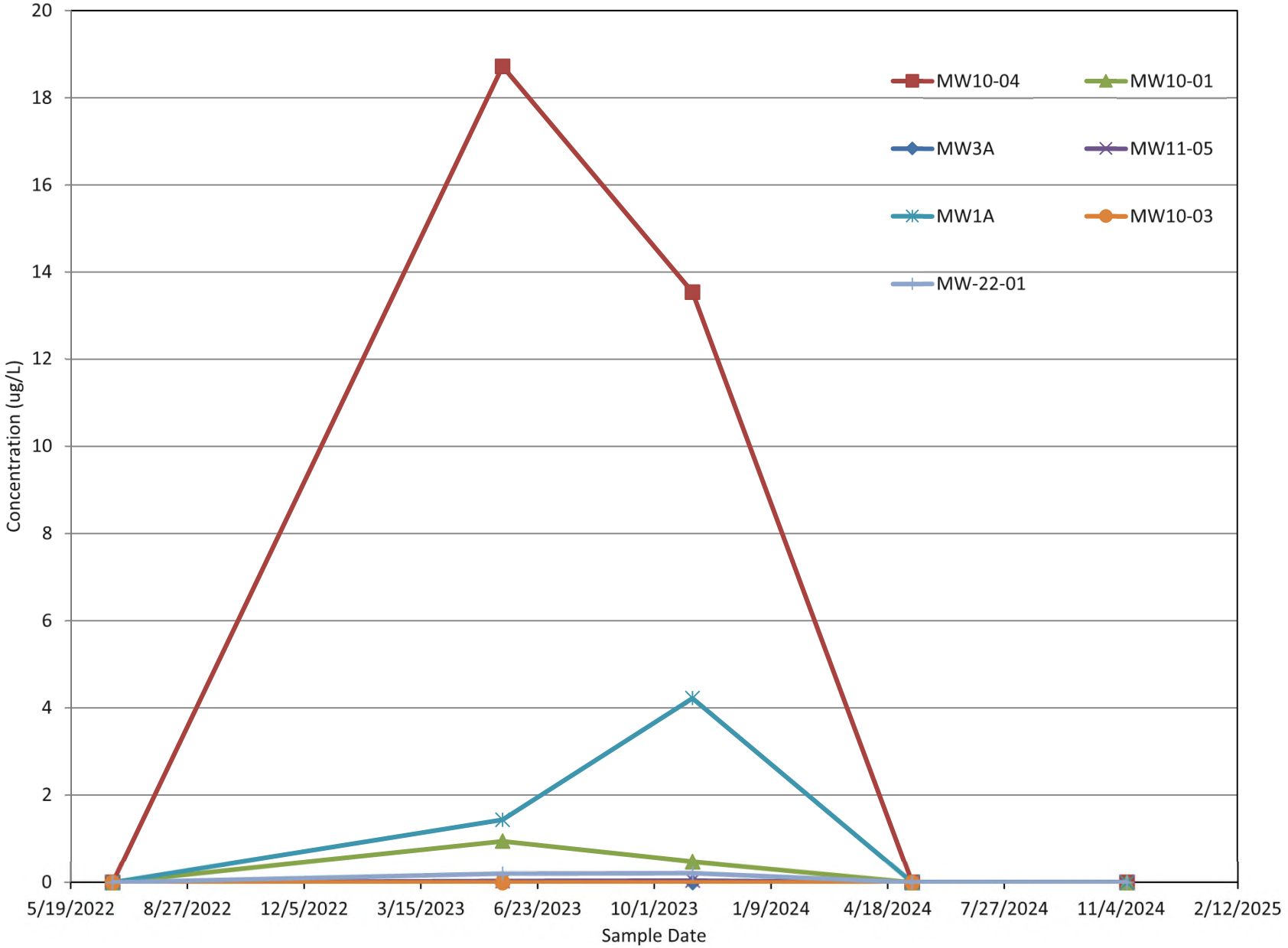
Analytical Parameters:

Attachment 2

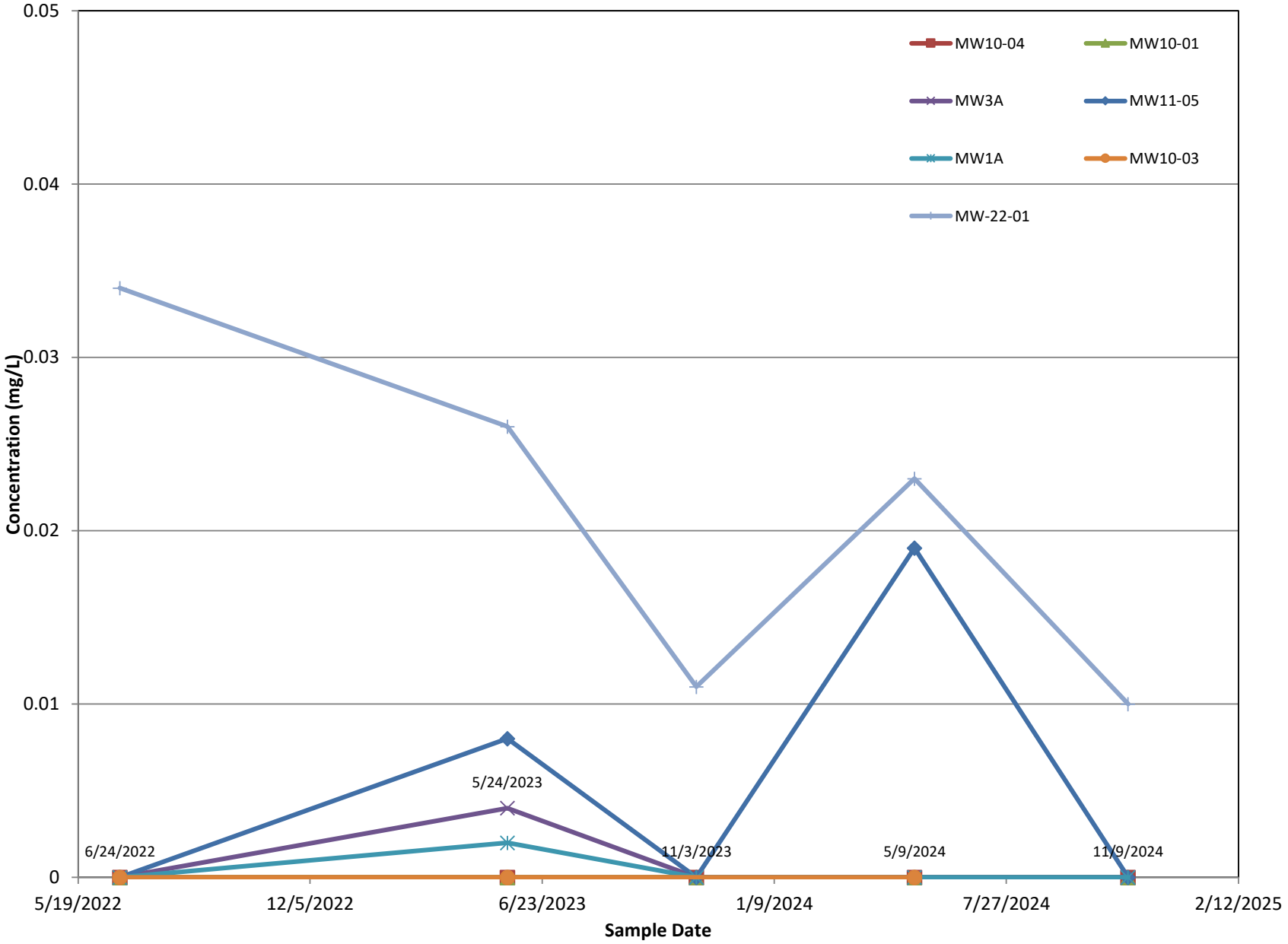
Time Series Plots of Contaminants

NEU-VELLE LLC

TIME SERIES FOR TOTAL PAHs IN GROUNDWATER
NYSEG Newark Former MGP Site
Corner of Main Street and West Shore Boulevard
Village of Newark, Wayne County, New York
NYSDEC Site No. 859021



TIME SERIES FOR TOTAL CYANIDE IN GROUNDWATER
NYSEG Newark Former MGP Site
Corner of Main Street and West Shore Boulevard
Village of Newark, Wayne County, New York
NYSDEC Site No. 859021



Attachment 3

Groundwater Laboratory Reports and Chain of Custody Forms

NEU-VELLE LLC

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Neu-Velle

For Lab Project ID

245251

Referencing

RGE Newark

Prepared

Thursday, November 14, 2024

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Portions of the enclosed report reflects analysis that has been subcontracted and are presented in their original form.

Emily Farmer

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-11-05_110524		
Lab Sample ID:	245251-01	**Date Sampled:**	11/5/2024 8:35
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.2	ug/L		11/13/2024 16:31
Acenaphthylene	< 11.2	ug/L		11/13/2024 16:31
Anthracene	< 11.2	ug/L		11/13/2024 16:31
Benzo (a) anthracene	< 11.2	ug/L		11/13/2024 16:31
Benzo (a) pyrene	< 11.2	ug/L		11/13/2024 16:31
Benzo (b) fluoranthene	< 11.2	ug/L		11/13/2024 16:31
Benzo (g,h,i) perylene	< 11.2	ug/L		11/13/2024 16:31
Benzo (k) fluoranthene	< 11.2	ug/L		11/13/2024 16:31
Chrysene	< 11.2	ug/L		11/13/2024 16:31
Dibenz (a,h) anthracene	< 11.2	ug/L		11/13/2024 16:31
Fluoranthene	< 11.2	ug/L		11/13/2024 16:31
Fluorene	< 11.2	ug/L		11/13/2024 16:31
Indeno (1,2,3-cd) pyrene	< 11.2	ug/L		11/13/2024 16:31
Naphthalene	< 11.2	ug/L		11/13/2024 16:31
Phenanthrene	< 11.2	ug/L		11/13/2024 16:31
Pyrene	< 11.2	ug/L		11/13/2024 16:31

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**46.8**	15.2 - 100		11/13/2024 16:31
Nitrobenzene-d5	**63.2**	47.4 - 98.9		11/13/2024 16:31
Terphenyl-d14	**66.3**	56 - 111		11/13/2024 16:31

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74883.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 16:22
Ethylbenzene	< 2.00	ug/L		11/12/2024 16:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_MW-11-05_110524
Lab Sample ID: 245251-01 **Date Sampled:** 11/5/2024 8:35
Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L		11/12/2024 16:22
o-Xylene	< 2.00	ug/L		11/12/2024 16:22
Toluene	< 2.00	ug/L		11/12/2024 16:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	80.5 - 124		11/12/2024 16:22
4-Bromofluorobenzene	**84.6**	78.2 - 114		11/12/2024 16:22
Pentafluorobenzene	**98.6**	90.8 - 109		11/12/2024 16:22
Toluene-D8	**97.6**	90.3 - 110		11/12/2024 16:22

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27706.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-22-01_110524		
Lab Sample ID:	245251-02	**Date Sampled:**	11/5/2024 10:10
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.0	ug/L		11/13/2024 16:58
Acenaphthylene	< 11.0	ug/L		11/13/2024 16:58
Anthracene	< 11.0	ug/L		11/13/2024 16:58
Benzo (a) anthracene	< 11.0	ug/L		11/13/2024 16:58
Benzo (a) pyrene	< 11.0	ug/L		11/13/2024 16:58
Benzo (b) fluoranthene	< 11.0	ug/L		11/13/2024 16:58
Benzo (g,h,i) perylene	< 11.0	ug/L		11/13/2024 16:58
Benzo (k) fluoranthene	< 11.0	ug/L		11/13/2024 16:58
Chrysene	< 11.0	ug/L		11/13/2024 16:58
Dibenz (a,h) anthracene	< 11.0	ug/L		11/13/2024 16:58
Fluoranthene	< 11.0	ug/L		11/13/2024 16:58
Fluorene	< 11.0	ug/L		11/13/2024 16:58
Indeno (1,2,3-cd) pyrene	< 11.0	ug/L		11/13/2024 16:58
Naphthalene	< 11.0	ug/L		11/13/2024 16:58
Phenanthrene	< 11.0	ug/L		11/13/2024 16:58
Pyrene	< 11.0	ug/L		11/13/2024 16:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**53.1**	15.2 - 100		11/13/2024 16:58
Nitrobenzene-d5	**76.0**	47.4 - 98.9		11/13/2024 16:58
Terphenyl-d14	**75.9**	56 - 111		11/13/2024 16:58

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74884.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 16:42
Ethylbenzene	< 2.00	ug/L		11/12/2024 16:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_MW-22-01_110524
Lab Sample ID: 245251-02 **Date Sampled:** 11/5/2024 10:10
Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L			11/12/2024 16:42
o-Xylene	< 2.00	ug/L			11/12/2024 16:42
Toluene	< 2.00	ug/L			11/12/2024 16:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	80.5 - 124		11/12/2024 16:42
4-Bromofluorobenzene	**83.1**	78.2 - 114		11/12/2024 16:42
Pentafluorobenzene	**96.3**	90.8 - 109		11/12/2024 16:42
Toluene-D8	**96.6**	90.3 - 110		11/12/2024 16:42

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27707.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-1A_110524		
Lab Sample ID:	245251-03	**Date Sampled:**	11/5/2024 12:00
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.2	ug/L		11/13/2024 18:22
Acenaphthylene	< 11.2	ug/L		11/13/2024 18:22
Anthracene	< 11.2	ug/L		11/13/2024 18:22
Benzo (a) anthracene	< 11.2	ug/L		11/13/2024 18:22
Benzo (a) pyrene	< 11.2	ug/L		11/13/2024 18:22
Benzo (b) fluoranthene	< 11.2	ug/L		11/13/2024 18:22
Benzo (g,h,i) perylene	< 11.2	ug/L		11/13/2024 18:22
Benzo (k) fluoranthene	< 11.2	ug/L		11/13/2024 18:22
Chrysene	< 11.2	ug/L		11/13/2024 18:22
Dibenz (a,h) anthracene	< 11.2	ug/L		11/13/2024 18:22
Fluoranthene	< 11.2	ug/L		11/13/2024 18:22
Fluorene	< 11.2	ug/L		11/13/2024 18:22
Indeno (1,2,3-cd) pyrene	< 11.2	ug/L		11/13/2024 18:22
Naphthalene	< 11.2	ug/L		11/13/2024 18:22
Phenanthrene	< 11.2	ug/L		11/13/2024 18:22
Pyrene	< 11.2	ug/L		11/13/2024 18:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**52.1**	15.2 - 100		11/13/2024 18:22
Nitrobenzene-d5	**64.9**	47.4 - 98.9		11/13/2024 18:22
Terphenyl-d14	**70.2**	56 - 111		11/13/2024 18:22

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74887.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 17:42
Ethylbenzene	< 2.00	ug/L		11/12/2024 17:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_MW-1A_110524

Lab Sample ID: 245251-03 **Date Sampled:** 11/5/2024 12:00

Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L		11/12/2024 17:42
o-Xylene	< 2.00	ug/L		11/12/2024 17:42
Toluene	< 2.00	ug/L		11/12/2024 17:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	80.5 - 124		11/12/2024 17:42
4-Bromofluorobenzene	**84.6**	78.2 - 114		11/12/2024 17:42
Pentafluorobenzene	**95.9**	90.8 - 109		11/12/2024 17:42
Toluene-D8	**97.5**	90.3 - 110		11/12/2024 17:42

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z27710.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-10-04_110624		
Lab Sample ID:	245251-04	**Date Sampled:**	11/6/2024 9:15
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.9	ug/L		11/13/2024 18:49
Acenaphthylene	< 10.9	ug/L		11/13/2024 18:49
Anthracene	< 10.9	ug/L		11/13/2024 18:49
Benzo (a) anthracene	< 10.9	ug/L		11/13/2024 18:49
Benzo (a) pyrene	< 10.9	ug/L		11/13/2024 18:49
Benzo (b) fluoranthene	< 10.9	ug/L		11/13/2024 18:49
Benzo (g,h,i) perylene	< 10.9	ug/L		11/13/2024 18:49
Benzo (k) fluoranthene	< 10.9	ug/L		11/13/2024 18:49
Chrysene	< 10.9	ug/L		11/13/2024 18:49
Dibenz (a,h) anthracene	< 10.9	ug/L		11/13/2024 18:49
Fluoranthene	< 10.9	ug/L		11/13/2024 18:49
Fluorene	< 10.9	ug/L		11/13/2024 18:49
Indeno (1,2,3-cd) pyrene	< 10.9	ug/L		11/13/2024 18:49
Naphthalene	< 10.9	ug/L		11/13/2024 18:49
Phenanthrene	< 10.9	ug/L		11/13/2024 18:49
Pyrene	< 10.9	ug/L		11/13/2024 18:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**47.3**	15.2 - 100		11/13/2024 18:49
Nitrobenzene-d5	**65.1**	47.4 - 98.9		11/13/2024 18:49
Terphenyl-d14	**58.8**	56 - 111		11/13/2024 18:49

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74888.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 18:02
Ethylbenzene	< 2.00	ug/L		11/12/2024 18:02

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-10-04_110624		
Lab Sample ID:	245251-04	**Date Sampled:**	11/6/2024 9:15
Matrix:	Groundwater	**Date Received**	11/7/2024

m,p-Xylene	< 2.00	ug/L			11/12/2024 18:02
o-Xylene	< 2.00	ug/L			11/12/2024 18:02
Toluene	< 2.00	ug/L			11/12/2024 18:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	80.5 - 124		11/12/2024 18:02
4-Bromofluorobenzene	**87.8**	78.2 - 114		11/12/2024 18:02
Pentafluorobenzene	**98.7**	90.8 - 109		11/12/2024 18:02
Toluene-D8	**97.5**	90.3 - 110		11/12/2024 18:02

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z27711.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_DUP_110624		
Lab Sample ID:	245251-05	**Date Sampled:**	11/6/2024
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 12.4	ug/L		11/13/2024 19:17
Acenaphthylene	< 12.4	ug/L		11/13/2024 19:17
Anthracene	< 12.4	ug/L		11/13/2024 19:17
Benzo (a) anthracene	< 12.4	ug/L		11/13/2024 19:17
Benzo (a) pyrene	< 12.4	ug/L		11/13/2024 19:17
Benzo (b) fluoranthene	< 12.4	ug/L		11/13/2024 19:17
Benzo (g,h,i) perylene	< 12.4	ug/L		11/13/2024 19:17
Benzo (k) fluoranthene	< 12.4	ug/L		11/13/2024 19:17
Chrysene	< 12.4	ug/L		11/13/2024 19:17
Dibenz (a,h) anthracene	< 12.4	ug/L		11/13/2024 19:17
Fluoranthene	< 12.4	ug/L		11/13/2024 19:17
Fluorene	< 12.4	ug/L		11/13/2024 19:17
Indeno (1,2,3-cd) pyrene	< 12.4	ug/L		11/13/2024 19:17
Naphthalene	< 12.4	ug/L		11/13/2024 19:17
Phenanthrene	< 12.4	ug/L		11/13/2024 19:17
Pyrene	< 12.4	ug/L		11/13/2024 19:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**51.1**	15.2 - 100		11/13/2024 19:17
Nitrobenzene-d5	**60.7**	47.4 - 98.9		11/13/2024 19:17
Terphenyl-d14	**50.6**	56 - 111	*	11/13/2024 19:17

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74889.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 18:22
Ethylbenzene	< 2.00	ug/L		11/12/2024 18:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_DUP_110624
Lab Sample ID: 245251-05 **Date Sampled:** 11/6/2024
Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L		11/12/2024 18:22
o-Xylene	< 2.00	ug/L		11/12/2024 18:22
Toluene	< 2.00	ug/L		11/12/2024 18:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	80.5 - 124		11/12/2024 18:22
4-Bromofluorobenzene	**85.5**	78.2 - 114		11/12/2024 18:22
Pentafluorobenzene	**99.5**	90.8 - 109		11/12/2024 18:22
Toluene-D8	**96.8**	90.3 - 110		11/12/2024 18:22

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27712.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_EB_110624		
Lab Sample ID:	245251-06	**Date Sampled:**	11/6/2024 9:45
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 13.3	ug/L		11/13/2024 19:44
Acenaphthylene	< 13.3	ug/L		11/13/2024 19:44
Anthracene	< 13.3	ug/L		11/13/2024 19:44
Benzo (a) anthracene	< 13.3	ug/L		11/13/2024 19:44
Benzo (a) pyrene	< 13.3	ug/L		11/13/2024 19:44
Benzo (b) fluoranthene	< 13.3	ug/L		11/13/2024 19:44
Benzo (g,h,i) perylene	< 13.3	ug/L		11/13/2024 19:44
Benzo (k) fluoranthene	< 13.3	ug/L		11/13/2024 19:44
Chrysene	< 13.3	ug/L		11/13/2024 19:44
Dibenz (a,h) anthracene	< 13.3	ug/L		11/13/2024 19:44
Fluoranthene	< 13.3	ug/L		11/13/2024 19:44
Fluorene	< 13.3	ug/L		11/13/2024 19:44
Indeno (1,2,3-cd) pyrene	< 13.3	ug/L		11/13/2024 19:44
Naphthalene	< 13.3	ug/L		11/13/2024 19:44
Phenanthrene	< 13.3	ug/L		11/13/2024 19:44
Pyrene	< 13.3	ug/L		11/13/2024 19:44

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**72.3**	15.2 - 100		11/13/2024 19:44
Nitrobenzene-d5	**81.0**	47.4 - 98.9		11/13/2024 19:44
Terphenyl-d14	**90.0**	56 - 111		11/13/2024 19:44

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74890.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 18:42
Ethylbenzene	< 2.00	ug/L		11/12/2024 18:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_EB_110624
Lab Sample ID: 245251-06 **Date Sampled:** 11/6/2024 9:45
Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L			11/12/2024 18:42
o-Xylene	< 2.00	ug/L			11/12/2024 18:42
Toluene	< 2.00	ug/L			11/12/2024 18:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	80.5 - 124		11/12/2024 18:42
4-Bromofluorobenzene	**85.4**	78.2 - 114		11/12/2024 18:42
Pentafluorobenzene	**95.7**	90.8 - 109		11/12/2024 18:42
Toluene-D8	**95.4**	90.3 - 110		11/12/2024 18:42

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27713.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-10-01_110624		
Lab Sample ID:	245251-07	**Date Sampled:**	11/6/2024 11:30
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.3	ug/L		11/13/2024 20:11
Acenaphthylene	< 11.3	ug/L		11/13/2024 20:11
Anthracene	< 11.3	ug/L		11/13/2024 20:11
Benzo (a) anthracene	< 11.3	ug/L		11/13/2024 20:11
Benzo (a) pyrene	< 11.3	ug/L		11/13/2024 20:11
Benzo (b) fluoranthene	< 11.3	ug/L		11/13/2024 20:11
Benzo (g,h,i) perylene	< 11.3	ug/L		11/13/2024 20:11
Benzo (k) fluoranthene	< 11.3	ug/L		11/13/2024 20:11
Chrysene	< 11.3	ug/L		11/13/2024 20:11
Dibenz (a,h) anthracene	< 11.3	ug/L		11/13/2024 20:11
Fluoranthene	< 11.3	ug/L		11/13/2024 20:11
Fluorene	< 11.3	ug/L		11/13/2024 20:11
Indeno (1,2,3-cd) pyrene	< 11.3	ug/L		11/13/2024 20:11
Naphthalene	< 11.3	ug/L		11/13/2024 20:11
Phenanthrene	< 11.3	ug/L		11/13/2024 20:11
Pyrene	< 11.3	ug/L		11/13/2024 20:11

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**61.3**	15.2 - 100		11/13/2024 20:11
Nitrobenzene-d5	**68.8**	47.4 - 98.9		11/13/2024 20:11
Terphenyl-d14	**68.5**	56 - 111		11/13/2024 20:11

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74891.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 19:02
Ethylbenzene	< 2.00	ug/L		11/12/2024 19:02

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-10-01_110624		
Lab Sample ID:	245251-07	**Date Sampled:**	11/6/2024 11:30
Matrix:	Groundwater	**Date Received**	11/7/2024

m,p-Xylene	< 2.00	ug/L		11/12/2024 19:02
o-Xylene	< 2.00	ug/L		11/12/2024 19:02
Toluene	< 2.00	ug/L		11/12/2024 19:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	80.5 - 124		11/12/2024 19:02
4-Bromofluorobenzene	**86.2**	78.2 - 114		11/12/2024 19:02
Pentafluorobenzene	**97.0**	90.8 - 109		11/12/2024 19:02
Toluene-D8	**96.6**	90.3 - 110		11/12/2024 19:02

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z27714.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK_MW-3A_110624		
Lab Sample ID:	245251-08	**Date Sampled:**	11/6/2024 12:50
Matrix:	Groundwater	**Date Received**	11/7/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 12.7	ug/L		11/13/2024 20:40
Acenaphthylene	< 12.7	ug/L		11/13/2024 20:40
Anthracene	< 12.7	ug/L		11/13/2024 20:40
Benzo (a) anthracene	< 12.7	ug/L		11/13/2024 20:40
Benzo (a) pyrene	< 12.7	ug/L		11/13/2024 20:40
Benzo (b) fluoranthene	< 12.7	ug/L		11/13/2024 20:40
Benzo (g,h,i) perylene	< 12.7	ug/L		11/13/2024 20:40
Benzo (k) fluoranthene	< 12.7	ug/L		11/13/2024 20:40
Chrysene	< 12.7	ug/L		11/13/2024 20:40
Dibenz (a,h) anthracene	< 12.7	ug/L		11/13/2024 20:40
Fluoranthene	< 12.7	ug/L		11/13/2024 20:40
Fluorene	< 12.7	ug/L		11/13/2024 20:40
Indeno (1,2,3-cd) pyrene	< 12.7	ug/L		11/13/2024 20:40
Naphthalene	< 12.7	ug/L		11/13/2024 20:40
Phenanthrene	< 12.7	ug/L		11/13/2024 20:40
Pyrene	< 12.7	ug/L		11/13/2024 20:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**63.1**	15.2 - 100		11/13/2024 20:40
Nitrobenzene-d5	**68.0**	47.4 - 98.9		11/13/2024 20:40
Terphenyl-d14	**71.7**	56 - 111		11/13/2024 20:40

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74892.D

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 19:22
Ethylbenzene	< 2.00	ug/L		11/12/2024 19:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: NK_MW-3A_110624
Lab Sample ID: 245251-08 **Date Sampled:** 11/6/2024 12:50
Matrix: Groundwater **Date Received** 11/7/2024

m,p-Xylene	< 2.00	ug/L			11/12/2024 19:22
o-Xylene	< 2.00	ug/L			11/12/2024 19:22
Toluene	< 2.00	ug/L			11/12/2024 19:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**100**	80.5 - 124		11/12/2024 19:22
4-Bromofluorobenzene	**84.3**	78.2 - 114		11/12/2024 19:22
Pentafluorobenzene	**97.9**	90.8 - 109		11/12/2024 19:22
Toluene-D8	**95.2**	90.3 - 110		11/12/2024 19:22

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27715.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 245251

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier: Trip Blank T1222
Lab Sample ID: 245251-09 **Date Sampled:** 10/28/2024
Matrix: Water **Date Received** 11/7/2024

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		11/12/2024 19:42
Ethylbenzene	< 2.00	ug/L		11/12/2024 19:42
m,p-Xylene	< 2.00	ug/L		11/12/2024 19:42
o-Xylene	< 2.00	ug/L		11/12/2024 19:42
Toluene	< 2.00	ug/L		11/12/2024 19:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	80.5 - 124		11/12/2024 19:42
4-Bromofluorobenzene	**82.8**	78.2 - 114		11/12/2024 19:42
Pentafluorobenzene	**98.9**	90.8 - 109		11/12/2024 19:42
Toluene-D8	**96.6**	90.3 - 110		11/12/2024 19:42

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z27716.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: **Neu-Velle**
Project Reference: RGE Newark
Lab Project ID: 245251
Matrix: Groundwater

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	<10.0	ug/L		11/13/2024	15:35
Acenaphthylene	<10.0	ug/L		11/13/2024	15:35
Anthracene	<10.0	ug/L		11/13/2024	15:35
Benzo (a) anthracene	<10.0	ug/L		11/13/2024	15:35
Benzo (a) pyrene	<10.0	ug/L		11/13/2024	15:35
Benzo (b) fluoranthene	<10.0	ug/L		11/13/2024	15:35
Benzo (g,h,i) perylene	<10.0	ug/L		11/13/2024	15:35
Benzo (k) fluoranthene	<10.0	ug/L		11/13/2024	15:35
Chrysene	<10.0	ug/L		11/13/2024	15:35
Dibenz (a,h) anthracene	<10.0	ug/L		11/13/2024	15:35
Fluoranthene	<10.0	ug/L		11/13/2024	15:35
Fluorene	<10.0	ug/L		11/13/2024	15:35
Indeno (1,2,3-cd) pyrene	<10.0	ug/L		11/13/2024	15:35
Naphthalene	<10.0	ug/L		11/13/2024	15:35
Phenanthrene	<10.0	ug/L		11/13/2024	15:35
Pyrene	<10.0	ug/L		11/13/2024	15:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2-Fluorobiphenyl	**45.0**	15.2 - 100		11/13/2024	15:35
Nitrobenzene-d5	**73.5**	47.4 - 98.9		11/13/2024	15:35
Terphenyl-d14	**80.5**	56 - 111		11/13/2024	15:35

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74881.D
QC Batch ID: QC241112BNW
QC Number: Blk 1

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Neu-Velle**

Project Reference: RGE Newark

Lab Project ID: 245251

Matrix: Groundwater

Semi-Volatile Organics (PAHs)

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Acenaphthene	50.0	ug/L	36.5	73.0	48 - 90.7		11/13/2024
Pyrene	50.0	ug/L	42.6	85.1	56 - 105		11/13/2024

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File: B74882.D
QC Number: LCS 1
QC Batch ID: QC241112BNW

Report Prepared *Thursday, November 14, 2024*

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Matrix Spike and Matrix Spike Duplicate

Client: **Neu-Velle** **Lab Project ID:** 245251

Project Reference: RGE Newark

Lab Sample ID: 245251-02 **Date Sampled:** 11/5/2024
Sample Identifier: NK_MW-22-01_110524 **Date Received:** 11/7/2024
Matrix: Groundwater **Date Analyzed:** 11/13/2024

Semi-Volatile Organics (PAHs)

Analyte	Sample Result	Result Units	MS Added	MS Result	MS % Recovery	MSD Added	MSD Result	MSD % Recovery	% Rec. Limits	MS Outlier	MSD Outlier	Relative % Diff.	RPD Limit	RPD Outlier
Acenaphthene	< 11.0	ug/L	57.6	39.5	68.5	58.3	37.6	64.6	48 - 90.7			5.98	26.9	
Pyrene	< 11.0	ug/L	57.6	41.6	72.2	58.3	41.7	71.5	56 - 105			0.928	36	

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 11/12/2024
Data File(s): B74885.D
B74886.D
B74884.D
1
QC Batch ID: QC241112BNW

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

Report Prepared Thursday, November 14, 2024

PARADIGM ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: **Neu-Velle**

Project Reference: RGE Newark

Lab Project ID: 245251

Matrix: Groundwater

Volatile Organics (BTEX)

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	<1.00	ug/L		11/12/2024 16:02
Ethylbenzene	<2.00	ug/L		11/12/2024 16:02
m,p-Xylene	<2.00	ug/L		11/12/2024 16:02
o-Xylene	<2.00	ug/L		11/12/2024 16:02
Toluene	<2.00	ug/L		11/12/2024 16:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**101**	80.5 - 124		11/12/2024 16:02
4-Bromofluorobenzene	**83.2**	78.2 - 114		11/12/2024 16:02
Pentafluorobenzene	**96.3**	90.8 - 109		11/12/2024 16:02
Toluene-D8	**97.2**	90.3 - 110		11/12/2024 16:02

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z27705.D

QC Batch ID: voaw241112

QC Number: Blk 1

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Neu-Velle**

Project Reference: RGE Newark

Lab Project ID: 245251

Matrix: Groundwater

Volatile Organics (BTEX)

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Benzene	20.0	ug/L	20.3	101	83.4 - 108		11/12/2024
Ethylbenzene	20.0	ug/L	19.8	99.2	83.3 - 107		11/12/2024
Toluene	20.0	ug/L	18.7	93.7	84.8 - 106		11/12/2024

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z27704.D

QC Number: LCS 1

QC Batch ID: voaw241112

Report Prepared Wednesday, November 13, 2024

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Matrix Spike and Matrix Spike Duplicate

Client: **Neu-Velle** **Lab Project ID:** 245251

Project Reference: RGE Newark

Lab Sample ID: 245251-02 **Date Sampled:** 11/5/2024
Sample Identifier: NK_MW-22-01_110524 **Date Received:** 11/7/2024
Matrix: Groundwater **Date Analyzed:** 11/12/2024

Volatile Organics (BTEX)

Analyte	Sample Result	Result Units	MS Added	MS Result	MS % Recovery	MSD Added	MSD Result	MSD % Recovery	% Rec. Limits	MS Outlier	MSD Outlier	Relative % Diff.	RPD Limit	RPD Outlier
Benzene	< 1.00	ug/L	50.0	48.5	97.0	50.0	50.9	102	83.4 - 108			4.89	13.6	
Ethylbenzene	< 2.00	ug/L	50.0	49.2	98.4	50.0	50.8	102	83.3 - 107			3.24	11.8	
Toluene	< 2.00	ug/L	50.0	45.5	90.9	50.0	48.1	96.1	84.8 - 106			5.52	12.8	

Method Reference(s): EPA 8260C
EPA 5030C
Data File(s): z27708.D
z27709.D
z27707.D
1
QC Batch ID: voaw241112

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

Report Prepared Wednesday, November 13, 2024

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

CHAIN OF CUSTODY

PARADIGM
ENVIRONMENTAL SERVICES

REPORT TO:	INVOICE TO:	
COMPANY: Nevrelle	COMPANY: SAME	LAB PROJECT ID: 245251
address:	ADDRESS:	Quotation #:
CITY: STATE: ZIP:	CITY: STATE: ZIP:	Email: avotruss lreid @Nev-relle.com
PHONE: FAX:	PHONE: FAX:	
ATTN:	ATTN:	

PROJECT REFERENCE: RGE Newark

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	BTEX 8260	PAH 8270	TCN 9012	REMARKS	PARADIGM LAB SAMPLE NUMBER
11/6/24	0835	X		NK-MW-11-05_110524	WG	4	X	X	X		01
11/5/24	1010	X		NK-mw-22-01_110524	WG	12	X	X	X	MS/MSD	02
11/5/24	1200	X		NK_~~MW-14~~ 110524	WG	4	X	X	X		03
11/6/24	915	X		NK_MW-10-04_110624		4	X	X	X		04
11/6/24	—	X		NK_DUP_110624		4	X	X	X		05
11/6/24	0945	X		NK_FB_110624		4	X	X	X		06
11/6/24	1130	X		NK_MW-10-01_110624		4	X	X	X		07
11/6/24	1250	X		NK-mw-3A-110624		4	X	X	X		08
				Trip Blank T1222	WA	1	X				09

Made at Paradigm 10/28/24 per Trip Blank Log Book

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	☑	None Required	☑	None Required ☑
10 day	☐	Batch QC	☐	Basic EDD ☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD ☐
Rush 2 day	☐	Category B	☐	
Rush 1 day	☐			
Other please indicate date needed:	☐	Other please indicate package needed:	☐	Other EDD please indicate EDD needed: ☐

Andrew Rothruss 110524/110624
Sampled By Date/Time

Relinquished By 11/7/24 1322
Date/Time

Received By 11/7/24 1322
Date/Time

Received @ Lab By 11/7/24 13:23
Date/Time

Total Cost:

P.I.F.

5°C iced 11/7/24 13:23

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM
ENVIRONMENTAL SERVICES

Chain of Custody Supplement

Client: NewVelle **Completed by:** Cedric Nw

Lab Project ID: 245251 **Date:** 11/7/24

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	[X]	[ ]	[ ]
Comments			
Transferred to method-compliant container	[ ]	[ ]	[X]
Headspace (<1 mL)	[X] VOA	[ ]	[X]
Comments			
Preservation	[X] TCN VOA (per label)	[ ]	[X] PAH
Comments	pH strip lot #234223		
Chlorine Absent (<0.10 ppm per test strip)	[X] PAH	[ ]	[X] ~~TCN VOA~~ EE CN 1117
Comments	VOA: Cl⁻ neg. Chlorine strip lot # 012V431-HH		
Holding Time	[X]	[ ]	[ ]
Comments			
Temperature	[X]	[ ]	[ ]
Comments	5.0°C iced		
Compliant Sample Quantity/Type	[X] BTEX TCN	[X] PAH / EE CN 1117	[ ]
Comments			

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 13, 2024

Emily Farmen
Paradigm Environmental
179 Lake Avenue
Rochester, NY 14608

TEL: (800) 724-1997

Work Order No: 241108015

RE: Analysis of Samples
Project # 245251

Adirondack Environmental Services, Inc received 8 samples on 11/8/2024 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Matthew Daigneault
Laboratory Manager

Adirondack Environmental Services, Inc — CASE NARRATIVE

Paradigm Environmental

Analysis of Samples

Project # 245251

Date: *13-Nov-24*

Lab WorkOrder: **241108015**

Sample containers were not supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Lab SampleID: 241108015-001 **Collection Date:** 11/5/2024 8:35:00 AM
Client Sample ID: 245251-01 (NK_MW-11-05_110 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 1:52:51 PM

Lab SampleID: 241108015-002 **Collection Date:** 11/5/2024 10:10:00 AM
Client Sample ID: 245251-02 (NK_MW-22-01_110 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**0.01**	0.01		mg/L	1	11/13/2024 1:54:34 PM

Lab SampleID: 241108015-003 **Collection Date:** 11/5/2024 12:00:00 PM
Client Sample ID: 245251-03 (NK_MW-1A-11052 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 1:59:46 PM

Lab SampleID: 241108015-004 **Collection Date:** 11/6/2024 9:15:00 AM
Client Sample ID: 245251-04 (NK_MW-10-04_110 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 2:01:31 PM

Lab SampleID: 241108015-005 **Collection Date:** 11/6/2024
Client Sample ID: 245251-05 (NK_DUP_110624) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 2:02:50 PM

Lab SampleID: 241108015-006 **Collection Date:** 11/6/2024 9:45:00 AM
Client Sample ID: 245251-06 (EB_110624) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 2:04:33 PM

Lab SampleID: 241108015-007 **Collection Date:** 11/6/2024 11:30:00 AM
Client Sample ID: 245251-07 (MW-10-01_110624) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 2:06:10 PM

Lab SampleID: 241108015-008 **Collection Date:** 11/6/2024 12:50:00 PM
Client Sample ID: 245251-08 (MW-3A_110624) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 9012B						Analyst: **GK**
(Prep: 9010C - 11/13/2024)						
Cyanide	**ND**	0.01		mg/L	1	11/13/2024 2:07:48 PM

Adirondack Environmental Services, Inc

Date: *13-Nov-24*

CLIENT: Paradigm Environmental
Work Order: 241108015
Project: Analysis of Samples

ANALYTICAL QC SUMMARY REPORT

BatchID: 112776

MBLK

SeqNo: **3916086** **PrepDate:11/13/2024** TestNo: **SW9012B** RunNo: **239622**
Samp ID: **MB-112776** **PrepRef:(9010C)** Units: **mg/L** Analysis Date: **11/13/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	ND	0.010	0	0	0	0	0	0	0		

LCS

SeqNo: **3916087** **PrepDate:11/13/2024** TestNo: **SW9012B** RunNo: **239622**
Samp ID: **LCS-112776** **PrepRef:(9010C)** Units: **mg/L** Analysis Date: **11/13/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.08764	0.010	0.098	0	89.4	80	120	0	0		

MS

SeqNo: **3916072** **PrepDate:11/13/2024** TestNo: **SW9012B** RunNo: **239622**
Samp ID: **241108015-002A (245251-02 (NK_M** **PrepRef:(9010C)** Units: **mg/L** Analysis Date: **11/13/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.1111	0.010	0.098	0.01155	102	75	125	0	0		

MSD

SeqNo: **3916073** **PrepDate:11/13/2024** TestNo: **SW9012B** RunNo: **239622**
Samp ID: **241108015-002A (245251-02 (NK_M** **PrepRef:(9010C)** Units: **mg/L** Analysis Date: **11/13/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.1129	0.010	0.098	0.01155	103	75	125	0.1111	1.61	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

241108015

CHAIN OF CUSTODY

ELAP ID: 1

REPORT TO:			INVOICE TO:				
COMPANY: Paradigm Environmental			COMPANY: Same			LAB PROJECT #:	CLIENT PROJECT
ADDRESS:			ADDRESS:				
CITY:	STATE:	ZIP:	CITY:	STATE:	ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	FAX:		PHONE:	FAX:		STD	
PROJECT NAME/SITE NAME:	ATTN: Reporting		ATTN: Accounts Payable			☐ 1 ☐ 2 ☐ 3 ☒ 5	
	COMMENTS: Please email results to reporting@paradigmenv.com					Date Due:	

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCN 9012	MS/MSD	REMARKS	PARADIGM SAMPLE NUMBER
1	11/5/24	08:35	X		NK_MW-11-05_110524	Ground Water	1	X		245251-01	
2	↓	10:10			NK_MW-22-01_110524		3	X	X	-02	
3	↓	12:00			NK_MW-1A_110524		1	X		-03	
4	11/6/24	09:15			NK_MW-10-04_110624		1	X		-04	
5	↓	←			NK_DUP_110624		1	X		-05	
6	↓	09:45			NK_EB_110624		1	X		-06	
7	↓	11:30			NK_MW-10-01_110624		1	X		-07	
8	↓	12:50	↓		NK_MW-3A_110624	↓	1	X		-08	
9											
10											

REQUESTED ANALYSIS

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Client

Sampled By	Date/Time	11/8/24 08:30
Relinquished By	Date/Time	11/8/24 1207
Received By	Date/Time	11/8 1040
Received @ Lab By		

Total Cost:

P.I.F.

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.