NEU-VELLE LLC

December 23, 2024

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

Re: Fourth Post-Remediation Groundwater Sampling Report – May 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 fourth (4th) 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 May 8, 2024, groundwater levels were collected from seven (7) 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 May 9th through May 10th, 2024, groundwater samples were collected from seven (7) 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 2**. Quality Assurance/Quality Control (QA/QC) samples, including one (1) equipment blank sample, one (1) field duplicate sample (collected at MW-10-01), 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 2,** 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-11-05 (0.019 milligrams per liter or mg/L) and MW-22-01 (0.023 mg/L), which are both below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 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-3A;
- 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 May 8, 2024, from seven (7) 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 fourth (4th) post-remediation groundwater sampling event completed at the NYSEG Newark Former MGP site (NYSDEC Site No. 859021).

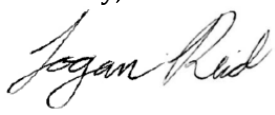
No BTEX or PAH compounds were reported in the groundwater samples collected during this sampling event.

Low-level cyanide detections were reported in monitoring wells adjacent to the former MGP Site (MW-11-05 and MW-22-01). These detections were below the TOGS 1.1.1, Class GA SCG for total cyanide (0.2 mg/L).

NYSEG anticipates continuing the groundwater sampling at semi-annual frequency (spring and fall) for the first three (3) years (2022 through 2024) following remediation, pending the final approval of the SMP. Results from these semi-annual sampling events will be reviewed with the NYSDEC to evaluate the scope of future sampling. The next groundwater sampling event was conducted in autumn 2024 and upon completion, the report will be submitted to the NYSDEC under separate cover.

Please feel free to contact me 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,



Logan Reid
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 – Groundwater Laboratory Reports and Chain of Custody Forms

Tables

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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	
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)
MW-10-01	440.88	14.4	426.48	14.2	426.68	15.2	425.68	13.50	427.38
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
MW-10-03	441.49	15.0	426.49	15.2	426.29	NM	NM	14.65	426.84
MW-10-04	440.80	9.6	431.20	11.1	429.70	11.4	429.40	9.99	430.81
MW-11-05	439.95	14.1	425.85	13.9	426.05	14.5	425.45	13.62	426.33
MW-1A	441.10	11.0	430.10	12.6	428.50	12.6	428.50	12.10	429.00
MW-3A	441.31	12.1	429.21	12.0	429.31	13.4	427.91	11.39	429.92

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

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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		MW10-01		MW10-01		MW10-01		MW10-01		MW10-01		MW-10-01	
Sample ID			MW10-04/SB19		MW10/04-052523		MW10/04-110223		NK-MW-10-04-051024		MW10/01-052423		MW10-01/SB11		Dupe-052423		MW10/01-110423		Dupe-110423		NK-MW-10-01-050924	
Sample Date			6/23/2022		5/25/2023		11/2/2023		5/10/2024		6/24/2022		5/24/2023				11/4/2023				5/9/2024	
Laboratory Identification			222996-01		2329862-05		235187-01		242104-09		223014-02		2329862-01		2329862-02		235187-06		235187-07		242104-05	
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
BTEX																						
Benzene	1	µg/L	ND	1.00	ND	0.50	ND	1.00	ND	1.00	ND	1.00	ND	0.50	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	2.50	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	2.50	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	2.50	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	2.50	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	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
Acenaphthylene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
Anthracene	50	µg/L	ND	5.0	**0.09 J**	0.1	**0.06 J**	0.1	ND	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
Benzo(a)anthracene	0.002	µg/L	ND	5.0	**0.58**	0.1	**0.48**	0.1	ND	10.3	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
Benzo(a)pyrene	ND	µg/L	ND	10.0	**1.8**	0.1	**1.3**	0.1	ND	10.3	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
Benzo(b)fluoranthene	0.002	µg/L	ND	10.0	**3.7**	0.1	**2.5**	0.1	ND	10.3	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
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	**2.6**	0.1	**2.2**	0.1	ND	10.3	ND	10.0	**0.11**	0.1	0.10	0.1	**0.07 J**	0.1	**0.07 J**	0.1	ND	10.1
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	**0.85**	0.1	**0.75**	0.1	ND	10.3	ND	10.0	**0.05 J**	0.1	**0.04 J**	0.1	ND	0.1	ND	0.1	ND	10.1
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	**0.36**	0.1	**0.3**	0.1	ND	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
Chrysene	0.002	µg/L	ND	5.0	**1.7**	0.1	**1.1**	0.1	ND	10.3	ND	5.0	**0.08 J**	0.1	ND	0.1	**0.04 J**	0.1	ND	0.1	ND	10.1
Fluoranthene	50	µg/L	ND	5.0	**2.3**	0.1	**1.3**	0.1	ND	10.3	ND	5.0	**0.12**	0.1	**0.11**	0.1	**0.06 J**	0.1	**0.06 J**	0.1	ND	10.1
Fluorene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
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	5.0	**0.1**	0.1	**0.10 J**	0.1	**0.07 J**	0.1	**0.07 J**	0.1	ND	10.1
Naphthalene	10	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	10.3	ND	5.0	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	10.1
Phenanthrene	50	µg/L	ND	5.0	**0.44**	0.1	**0.25**	0.1	ND	10.3	ND	5.0	**0.07 J**	0.1	ND	0.1	**0.02 J**	0.1	**0.1**	0.1	ND	10.1
Pyrene	50	µg/L	ND	5.0	**1.9**	0.1	**1.1**	0.1	ND	10.3	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
Cyanide																						
Cyanide, Total	0.2	mg/L	ND S	0.010	ND	0.005	ND S	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

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)		MW11-05		MW11-05		MW11-05		MW-11-05	
Sample ID			MW-3A		MW3A-052423		MW3A-110323		NK-MW3A-050924		NK-Dup-050924		MW11-05/SB47		MW11/05-052623		MW11/05-110323		NK-MW-11-05-050924	
Sample Date			6/24/2022		5/24/2023		11/3/2023		5/9/2024				6/24/2022		5/25/2023		11/3/2023		5/9/2024	
Laboratory Identification			223014-03		2329862-03		235187-04		242104-04		242104-07		223014-04		2329862-04		235187-05		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
BTEX																				
Benzene	1	µg/L	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
Toluene	5	µg/L	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
Ethylbenzene	5	µg/L	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
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	2.50	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	2.50	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	5.0	ND	0.1	ND	0.1	ND	10.5
Acenaphthylene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Anthracene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	**0.04 J**	0.1	ND	10.5
Benzo(a)anthracene	0.002	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Benzo(a)pyrene	ND	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	10.0	ND	0.1	ND	0.1	ND	10.5
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	10.0	ND	0.1	ND	0.1	ND	10.5
Benzo(g,h,i)perylene	NS	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	10.0	ND	0.1	ND	0.1	ND	10.5
Benzo(k)fluoranthene	0.002	µg/L	ND	10.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	10.0	ND	0.1	ND	0.1	ND	10.5
Dibenz(a,h)anthracene	NS	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Chrysene	0.002	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Fluoranthene	50	µg/L	ND	5.0	**0.02 J**	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Fluorene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
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	5.0	ND	0.1	ND	0.1	ND	10.5
Naphthalene	10	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
Phenanthrene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	**0.03**	0.1	ND	0.1	ND	10.5
Pyrene	50	µg/L	ND	5.0	ND	0.1	ND	0.1	ND	11.0	ND	11.2	ND	5.0	ND	0.1	ND	0.1	ND	10.5
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 S	0.010	**0.008**	0.005	ND S	0.010	**0.019**	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		MW10-03		MW 10-03		MW-10-03		MW-22-01[8]		MW-22-01		MW-22-01		MW-22-01	
Sample ID			MW-1A	MW1A-FIELDDUPLICATE	MW1A-052623		MW1A-110223		NK-MW1A-05102024		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	
Sample Date			6/23/2022		5/25/2023		11/2/2023		5/10/2024		6/24/2022		5/25/2023		5/9/2024		7/8/2022		5/26/2023		11/22/2023		5/9/2024	
Laboratory Identification			222996-02	222996-03	2329862-07		235187-02		242104-08		223014-05		2329862-06		242104-06		223239-01		2329862-08		235187-03		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	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	0.50	ND	1.00	ND	1.00	ND	0.50	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	2.50	ND	2.00	ND	2.00	ND	2.50	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	2.50	ND	2.00	ND	2.00	ND	2.50	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	2.50	ND	2.00	ND	2.00	ND	2.50	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	2.50	ND	2.00	ND	2.00	ND	2.50	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	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
Acenaphthylene	NS	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
Anthracene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
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	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	**0.03 J**	0.1	ND	10.4
Benzo(a)pyrene	ND	µg/L	ND	10.0	ND	10.0	**0.14**	0.1	**0.39**	0.1	ND	9.82	ND	10.0	ND	0.1	ND	10.2	ND	10.0	ND	0.1	ND	0.1	ND	10.4
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	10.0	ND	0.1	ND	10.2	ND	10.0	**0.01 J**	0.1	**0.05 J**	0.1	ND	10.4
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	10.0	ND	0.1	ND	10.2	ND	10.0	ND	0.1	**0.04 J**	0.1	ND	10.4
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	10.0	ND	0.1	ND	10.2	ND	10.0	**0.01 J**	0.1	ND	0.1	ND	10.4
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	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
Chrysene	0.002	µg/L	ND	5.0	ND	5.0	**0.13**	0.1	**0.36**	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.04 J**	0.1	ND	0.1	ND	10.4
Fluoranthene	50	µg/L	ND	5.0	ND	5.0	**0.20**	0.1	**0.45**	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.04 J**	0.1	ND	0.1	ND	10.4
Fluorene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
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	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	**0.04 J**	0.1	ND	10.4
Naphthalene	10	µg/L	ND	5.0	ND	5.0	ND	0.1	ND	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	ND	0.1	ND	0.1	ND	10.4
Phenanthrene	50	µg/L	ND	5.0	ND	5.0	ND	0.1	**0.1**	0.1	ND	9.82	ND	5.0	ND	0.1	ND	10.2	ND	5.0	**0.03 J**	0.1	ND	0.1	ND	10.4
Pyrene	50	µg/L	ND	5.0	ND	5.0	**0.17**	0.1	**0.37**	0.1	ND	9.82	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
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 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

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

N

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

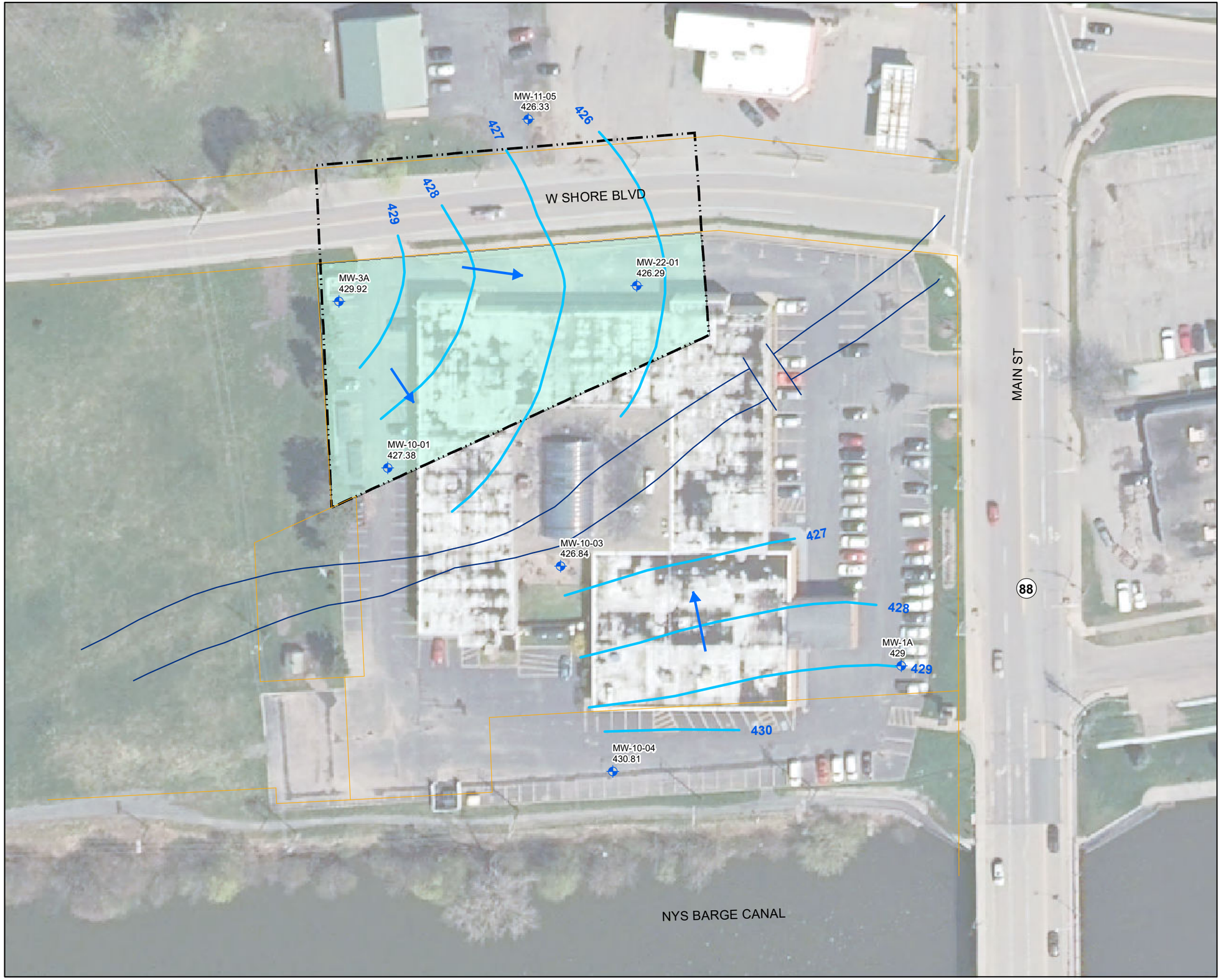
SITE PLAN AND INSTITUTIONAL CONTROL BOUNDARIES

0 30 60 120
Feet

DECEMBER 2024

NEU-VELLE LLC

FIGURE 2



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.
2. GROUNDWATER ELEVATIONS MEASURED ON MAY 8, 2024.

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

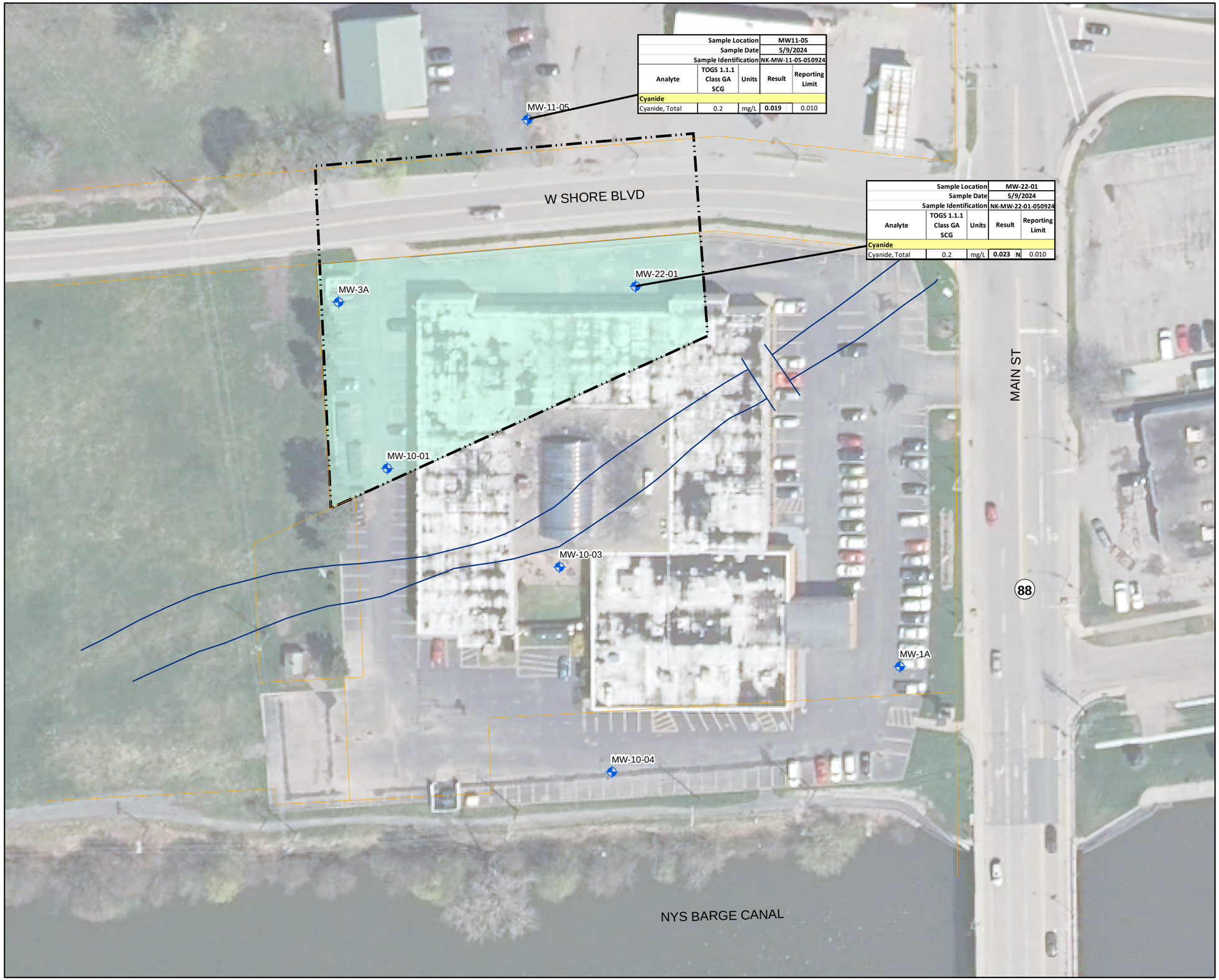
GROUNDWATER ELEVATION CONTOURS MAY 2024

0 30 60 120
Feet

DECEMBER 2024

NEU-VELLE LLC

FIGURE 3



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 MAY 2024

0 30 60 120
Feet

DECEMBER 2024

NEU-VELLE LLC

Attachment 1

Groundwater Sampling Logs

NEU-VELLE LLC

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

Date 5/9/24 | Personnel Andrew Rothfuss | Weather 50°F Cloudy
Site Name Rgt Newark | Evacuation Method BP | Well # MW-11-05
Site Loc Newark NY | Sampling Method BP | Project #

Well Information:
Depth of Well * 19.6± ft.
Depth to Water * 13.67 ft. 5/8/24
Length of Water Column ft.

* Measurements taken from: X Top of Well Casing | NAPL? NO

Start Purge Time: 925

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)
930	14.61	12.9	7.04	1337	150.3	4.49	75.8	250 ml/m
935	14.67	12.9	7.07	1314	148.6	4.62	34.2	
940	14.71	12.8	7.07	1305	147.4	4.54	18.6	
945	14.72	12.9	7.06	1303	141.2	4.62	10.2	
950	14.73	13.0	7.06	1298	134.9	4.60	7.86	
955	14.75	13.0	7.07	1296	128.8	4.65	5.75	
1000	14.75	12.8	7.07	1291	125.3	4.68	4.78	

End Purge Time: 1000

Water sample: Time collected: 1005

Total volume of purged water removed: 2.5 gal ±

Physical appearance at start
Color Clear
Odor none
Sheen/Free Product NO

Physical appearance at sampling
Color Clear
Odor None
Sheen/Free Product NO

"NL_MW-11-05_050924"

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date 5-9-24 | Personnel Andrew Rothfuss | Weather 53°F Partly Sunny

Site Name Newark R&L | Evacuation Method BP | Well # MW-22-01

Site Loc Newark NY | Sampling Method BP | Project #

Well information:

Depth of Well * 20.7± ft.

Depth to Water * 14.95 ft. 5/8/24

Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing

NAPL? NO

Start Purge Time: 1045

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)
1045	15.02	13.6	7.19	1065	123.4	6.45	OVER	200 mL
1050	15.12	13.2	7.22	1022	121.7	6.52	Over	
1100	15.12	13.2	7.18	1008	121.6	6.31	Over	
1105	15.13	13.2	7.17	994	121.1	6.54	102.6	
1110	15.14	13.2	7.15	981	122.3	6.54	63.7	
1115	15.14	13.2	7.12	978	126.0	6.41	54.7	
1120	15.14	13.2	7.12	975	125.9	6.42	37.0	
1126								

End Purge Time: 1120

MS/MSD

Water sample: Time collected: 1125

Total volume of purged water removed: 2.5 gal±

Physical appearance at start

Color Cloudy

Odor None

Sheen/Free Product NO

Physical appearance at sampling

Color Clear/yellowish

Odor None

Sheen/Free Product NO

NK_MW22-01_050924

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date	5/9/24	Personnel	Andrew Rothfuss	Weather	55° F Partly Sunny
Site Name	R&G Newark	Evacuation Method	BP	Well #	MW-3A
Site Loc	Newark NY	Sampling Method	BP	Project #	

Well Information:

Depth of Well * 11.29 ft.
Depth to Water * 21 ft. 5/8/24
Length of Water Column ft.

* Measurements taken from: X Top of Well Casing

NAPL? NO 5/8/24

Start Purge Time: 1245

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)
1250	11.50	11.6	7.30	1631	-6.2	7.47	12.4	250 mL/m
1255	11.73	11.5	7.44	1536	-9.4	9.12	9.29	
1300	11.86	11.6	7.53	1465	-9.8	9.88	6.59	
1305	11.90	11.4	7.58	1417	-9.3	9.94	4.67	
1310	12.18	11.3	7.62	1380	-7.8	10.01	4.08	
1315	12.09	11.4	7.62	1368	-9.3	9.76	3.98	
1320	12.10	11.3	7.63	1356	-9.4	9.75	2.76	
~~1325~~								

End Purge Time: 1320

EQBlank @ 1230

Water sample:
Time collected: 1325

Total volume of purged water removed:

Physical appearance at start
Color: Clear
Odor: None
Sheen/Free Product: NO

Physical appearance at sampling
Color: Clear
Odor: None
Sheen/Free Product: NO

"NK-EqBlank-050924" (1230)

~~"NK-MW3A-050924"~~

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date 5/9/24 | Personnel Andrew Rothfuss | Weather 59°F Partly Sunny

Site Name R-GF Newark | Evacuation Method BP | Well # MW-10-01

Site Loc Newark NY | Sampling Method BP | Project #

Well Information:

Depth of Well * 20.5± ft. 5/8/24

Depth to Water * 13.5 ft.

Length of Water Column ft.

* Measurements taken from: X Top of Well Casing

NAPL? NO 5/8/24

Start Purge Time: 1400

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)
1405	13.81	12.8	7.05	1159	0.3	5.96	28.9	250 ml/min
1410	13.93	12.2	7.19	1017	-4.3	7.89	25.3	
1415	13.95	12.0	7.28	901	3.5	9.09	16.21	
1420	13.97	12.0	7.31	826	13.2	9.48	15.3	
1425	13.98	12.0	7.31	808	15.4	9.85	7.57	
1430	13.99	11.8	7.32	777	20.6	9.65	6.32	
1435	14.00	11.9	7.32	773	25.1	9.73	3.74	
1440	14.00	11.9	7.32	774	25.3	9.72	2.97	

End Purge Time: 1440

Water sample: Time collected: 1445

Total volume of purged water removed: 2± gal

Physical appearance at start
- Color: Clear
- Odor: None
- Sheen/Free Product: NO

Physical appearance at sampling
- Color: Clear
- Odor: none
- Sheen/Free Product: NO

"NF-MW-10-01-050924"

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date 5/9/24 | Personnel Andrew Rothfuss | Weather 60oF Partly Cloudy

Site Name RGF Newark | Evacuation Method BP | Well # MW-10-03

Site Loc Newark NJ | Sampling Method BP | Project #

Well Information:

Depth of Well * 21± ft.

Depth to Water * 14.65 ft. 5/8/24

Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing

NAPL? NO 5/8/24

Start Purge Time: 1515

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)
1520	14.76	14.1	7.34	733	93.1	6.48	14.9	200ml
1525	14.79	13.6	7.45	656	76.3	7.63	10.75	
1530	14.80	13.5	7.46	625	64.4	7.84	6.76	
1535	14.80	13.3	7.45	614	57.1	7.88	5.66	
1540	14.81	13.2	7.45	603	50.0	8.06	4.35	
1545	14.81	13.3	7.46	599	48.9	8.05	3.88	
1550								
1555								
1600								

End Purge Time: 1545

Water sample:
Time collected: 1550

Total volume of purged water removed: 1.5± gal

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product No

Physical appearance at sampling
Color Clear
Odor None
Sheen/Free Product No

11 NK-MW-10-03-050924 11

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date	5/10/24	Personnel	Andrew Rothfuss	Weather	80F overcast
Site Name	RGE Newark	Evacuation Method	BP	Well #	MW 1A
Site Loc	Newark NY	Sampling Method	BP	Project #	

Well Information:

Depth of Well * 18+ ft.
Depth to Water * 12.1 ft. 5/8/24
Length of Water Column ft.

* Measurements taken from

X	Top of Well Casing

NAPL? NO 5/8/24

Start Purge Time: 1150

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)
1155	12.2	12.9	7.18	961	163.5	3.94	11.4	200 ml/m
1200	12.24	12.5	7.25	948	160.8	3.75	39.1	
1205	12.28	12.4	7.26	946	162.0	3.68	29.4	
1210	12.33	12.3	7.28	940	162.6	3.27	13.9	
1215	12.37	12.3	7.29	939	163.1	3.01	12.6	
1220	12.39	12.3	7.30	936	163.5	2.91	11.3	

End Purge Time: 1220

Water sample:
Time collected: 1225

Total volume of purged water removed:

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product No

Physical appearance at sampling
Color
Odor
Sheen/Free Product

"NL-MW1A_050624"

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

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

Date 5/10/24 | Personnel Andrew Rothfuss | Weather 50°F overcast
Site Name R&G Newark | Evacuation Method | Well # MW-10-04
Site Loc Newark NY | Sampling Method | Project #

Well information:

Depth of Well * 19.7± ft.
Depth to Water * 9.94 ft. 5/8/24
Length of Water Column ft.

* Measurements taken from: X Top of Well Casing

NAPL? NO 5/8/24

Start Purge Time: 1325

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)
1330	10.02	13.4	7.21	315.7	154.0	7.21	30.6	200 ml/m
1335	10.07	12.8	7.83	280.1	151.6	7.82	18.5	
1340	10.15	14.8	7.31	288.0	152.8	8.61	15.2	
1345	10.17	12.8	7.36	284.7	151.7	9.46	18.6	
1350	10.20	12.6	7.38	284.1	151.3	9.78	13.3	
1355	10.20	12.7	7.40	284.9	150.8	9.81	10.2	
1400								

End Purge Time: 1355

Water sample: Time collected: 1400

Total volume of purged water removed: 1.5 gal ±

Physical appearance at start
Color Clear
Odor None
Sheen/Free Product No

Physical appearance at sampling
Color Clear
Odor None
Sheen/Free Product No

"NK_MW-10-03_051024"

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered		Container pH

Attachment 2

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

242104

Referencing

RGE Newark

Prepared

Monday, May 20, 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: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-11-05-050924		
Lab Sample ID:	242104-01	**Date Sampled:** 5/9/2024	10:05
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.5	ug/L		5/17/2024 08:51
Acenaphthylene	< 10.5	ug/L		5/17/2024 08:51
Anthracene	< 10.5	ug/L		5/17/2024 08:51
Benzo (a) anthracene	< 10.5	ug/L		5/17/2024 08:51
Benzo (a) pyrene	< 10.5	ug/L		5/17/2024 08:51
Benzo (b) fluoranthene	< 10.5	ug/L		5/17/2024 08:51
Benzo (g,h,i) perylene	< 10.5	ug/L		5/17/2024 08:51
Benzo (k) fluoranthene	< 10.5	ug/L		5/17/2024 08:51
Chrysene	< 10.5	ug/L		5/17/2024 08:51
Dibenz (a,h) anthracene	< 10.5	ug/L		5/17/2024 08:51
Fluoranthene	< 10.5	ug/L		5/17/2024 08:51
Fluorene	< 10.5	ug/L		5/17/2024 08:51
Indeno (1,2,3-cd) pyrene	< 10.5	ug/L		5/17/2024 08:51
Naphthalene	< 10.5	ug/L		5/17/2024 08:51
Phenanthrene	< 10.5	ug/L		5/17/2024 08:51
Pyrene	< 10.5	ug/L		5/17/2024 08:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**60.5**	15.2 - 100		5/17/2024 08:51
Nitrobenzene-d5	**76.7**	47.4 - 98.9		5/17/2024 08:51
Terphenyl-d14	**80.8**	56 - 111		5/17/2024 08:51

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71453.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 15:38
Ethylbenzene	< 2.00	ug/L		5/13/2024 15:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-11-05-050924		
Lab Sample ID:	242104-01	**Date Sampled:** 5/9/2024	10:05
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 15:38
o-Xylene	< 2.00	ug/L		5/13/2024 15:38
Toluene	< 2.00	ug/L		5/13/2024 15:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	80.5 - 124		5/13/2024 15:38
4-Bromofluorobenzene	**90.8**	78.2 - 114		5/13/2024 15:38
Pentafluorobenzene	**99.2**	90.8 - 109		5/13/2024 15:38
Toluene-D8	**98.5**	90.3 - 110		5/13/2024 15:38

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

Data File: z24081.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-22-01-050924		
Lab Sample ID:	242104-02	**Date Sampled:** 5/9/2024	11:25
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.4	ug/L		5/17/2024 09:20
Acenaphthylene	< 10.4	ug/L		5/17/2024 09:20
Anthracene	< 10.4	ug/L		5/17/2024 09:20
Benzo (a) anthracene	< 10.4	ug/L		5/17/2024 09:20
Benzo (a) pyrene	< 10.4	ug/L		5/17/2024 09:20
Benzo (b) fluoranthene	< 10.4	ug/L		5/17/2024 09:20
Benzo (g,h,i) perylene	< 10.4	ug/L		5/17/2024 09:20
Benzo (k) fluoranthene	< 10.4	ug/L		5/17/2024 09:20
Chrysene	< 10.4	ug/L		5/17/2024 09:20
Dibenz (a,h) anthracene	< 10.4	ug/L		5/17/2024 09:20
Fluoranthene	< 10.4	ug/L		5/17/2024 09:20
Fluorene	< 10.4	ug/L		5/17/2024 09:20
Indeno (1,2,3-cd) pyrene	< 10.4	ug/L		5/17/2024 09:20
Naphthalene	< 10.4	ug/L		5/17/2024 09:20
Phenanthrene	< 10.4	ug/L		5/17/2024 09:20
Pyrene	< 10.4	ug/L		5/17/2024 09:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**53.2**	15.2 - 100		5/17/2024 09:20
Nitrobenzene-d5	**77.3**	47.4 - 98.9		5/17/2024 09:20
Terphenyl-d14	**76.5**	56 - 111		5/17/2024 09:20

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71454.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 18:34
Ethylbenzene	< 2.00	ug/L		5/13/2024 18:34

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-22-01-050924		
Lab Sample ID:	242104-02	**Date Sampled:** 5/9/2024	11:25
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 18:34
o-Xylene	< 2.00	ug/L		5/13/2024 18:34
Toluene	< 2.00	ug/L		5/13/2024 18:34

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	80.5 - 124		5/13/2024 18:34
4-Bromofluorobenzene	**92.4**	78.2 - 114		5/13/2024 18:34
Pentafluorobenzene	**97.2**	90.8 - 109		5/13/2024 18:34
Toluene-D8	**99.9**	90.3 - 110		5/13/2024 18:34

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

Data File: z24090.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-EQBlank-050924		
Lab Sample ID:	242104-03	**Date Sampled:** 5/9/2024	12:30
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.6	ug/L		5/17/2024 10:49
Acenaphthylene	< 10.6	ug/L		5/17/2024 10:49
Anthracene	< 10.6	ug/L		5/17/2024 10:49
Benzo (a) anthracene	< 10.6	ug/L		5/17/2024 10:49
Benzo (a) pyrene	< 10.6	ug/L		5/17/2024 10:49
Benzo (b) fluoranthene	< 10.6	ug/L		5/17/2024 10:49
Benzo (g,h,i) perylene	< 10.6	ug/L		5/17/2024 10:49
Benzo (k) fluoranthene	< 10.6	ug/L		5/17/2024 10:49
Chrysene	< 10.6	ug/L		5/17/2024 10:49
Dibenz (a,h) anthracene	< 10.6	ug/L		5/17/2024 10:49
Fluoranthene	< 10.6	ug/L		5/17/2024 10:49
Fluorene	< 10.6	ug/L		5/17/2024 10:49
Indeno (1,2,3-cd) pyrene	< 10.6	ug/L		5/17/2024 10:49
Naphthalene	< 10.6	ug/L		5/17/2024 10:49
Phenanthrene	< 10.6	ug/L		5/17/2024 10:49
Pyrene	< 10.6	ug/L		5/17/2024 10:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**48.7**	15.2 - 100		5/17/2024 10:49
Nitrobenzene-d5	**75.6**	47.4 - 98.9		5/17/2024 10:49
Terphenyl-d14	**76.5**	56 - 111		5/17/2024 10:49

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71457.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 15:58
Ethylbenzene	< 2.00	ug/L		5/13/2024 15:58

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-EQBlank-050924		
Lab Sample ID:	242104-03	**Date Sampled:** 5/9/2024	12:30
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 15:58
o-Xylene	< 2.00	ug/L		5/13/2024 15:58
Toluene	< 2.00	ug/L		5/13/2024 15:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**107**	80.5 - 124		5/13/2024 15:58
4-Bromofluorobenzene	**89.8**	78.2 - 114		5/13/2024 15:58
Pentafluorobenzene	**96.9**	90.8 - 109		5/13/2024 15:58
Toluene-D8	**98.8**	90.3 - 110		5/13/2024 15:58

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

Data File: z24082.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW3A-050924		
Lab Sample ID:	242104-04	**Date Sampled:** 5/9/2024	13:25
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.0	ug/L		5/18/2024 00:49
Acenaphthylene	< 11.0	ug/L		5/18/2024 00:49
Anthracene	< 11.0	ug/L		5/18/2024 00:49
Benzo (a) anthracene	< 11.0	ug/L		5/18/2024 00:49
Benzo (a) pyrene	< 11.0	ug/L		5/18/2024 00:49
Benzo (b) fluoranthene	< 11.0	ug/L		5/18/2024 00:49
Benzo (g,h,i) perylene	< 11.0	ug/L		5/18/2024 00:49
Benzo (k) fluoranthene	< 11.0	ug/L		5/18/2024 00:49
Chrysene	< 11.0	ug/L		5/18/2024 00:49
Dibenz (a,h) anthracene	< 11.0	ug/L		5/18/2024 00:49
Fluoranthene	< 11.0	ug/L		5/18/2024 00:49
Fluorene	< 11.0	ug/L		5/18/2024 00:49
Indeno (1,2,3-cd) pyrene	< 11.0	ug/L		5/18/2024 00:49
Naphthalene	< 11.0	ug/L		5/18/2024 00:49
Phenanthrene	< 11.0	ug/L		5/18/2024 00:49
Pyrene	< 11.0	ug/L		5/18/2024 00:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**36.2**	15.2 - 100		5/18/2024 00:49
Nitrobenzene-d5	**61.3**	47.4 - 98.9		5/18/2024 00:49
Terphenyl-d14	**72.7**	56 - 111		5/18/2024 00:49

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71487.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 16:17
Ethylbenzene	< 2.00	ug/L		5/13/2024 16:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW3A-050924		
Lab Sample ID:	242104-04	**Date Sampled:** 5/9/2024	13:25
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 16:17
o-Xylene	< 2.00	ug/L		5/13/2024 16:17
Toluene	< 2.00	ug/L		5/13/2024 16:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	80.5 - 124		5/13/2024 16:17
4-Bromofluorobenzene	**88.7**	78.2 - 114		5/13/2024 16:17
Pentafluorobenzene	**95.2**	90.8 - 109		5/13/2024 16:17
Toluene-D8	**95.8**	90.3 - 110		5/13/2024 16:17

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

Data File: z24083.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-01-050924		
Lab Sample ID:	242104-05	**Date Sampled:** 5/9/2024	14:45
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.1	ug/L		5/18/2024 01:19
Acenaphthylene	< 10.1	ug/L		5/18/2024 01:19
Anthracene	< 10.1	ug/L		5/18/2024 01:19
Benzo (a) anthracene	< 10.1	ug/L		5/18/2024 01:19
Benzo (a) pyrene	< 10.1	ug/L		5/18/2024 01:19
Benzo (b) fluoranthene	< 10.1	ug/L		5/18/2024 01:19
Benzo (g,h,i) perylene	< 10.1	ug/L		5/18/2024 01:19
Benzo (k) fluoranthene	< 10.1	ug/L		5/18/2024 01:19
Chrysene	< 10.1	ug/L		5/18/2024 01:19
Dibenz (a,h) anthracene	< 10.1	ug/L		5/18/2024 01:19
Fluoranthene	< 10.1	ug/L		5/18/2024 01:19
Fluorene	< 10.1	ug/L		5/18/2024 01:19
Indeno (1,2,3-cd) pyrene	< 10.1	ug/L		5/18/2024 01:19
Naphthalene	< 10.1	ug/L		5/18/2024 01:19
Phenanthrene	< 10.1	ug/L		5/18/2024 01:19
Pyrene	< 10.1	ug/L		5/18/2024 01:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**25.5**	15.2 - 100		5/18/2024 01:19
Nitrobenzene-d5	**63.0**	47.4 - 98.9		5/18/2024 01:19
Terphenyl-d14	**72.2**	56 - 111		5/18/2024 01:19

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71488.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 16:37
Ethylbenzene	< 2.00	ug/L		5/13/2024 16:37

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-01-050924		
Lab Sample ID:	242104-05	**Date Sampled:** 5/9/2024	14:45
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 16:37
o-Xylene	< 2.00	ug/L		5/13/2024 16:37
Toluene	< 2.00	ug/L		5/13/2024 16:37

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**112**	80.5 - 124		5/13/2024 16:37
4-Bromofluorobenzene	**92.1**	78.2 - 114		5/13/2024 16:37
Pentafluorobenzene	**98.1**	90.8 - 109		5/13/2024 16:37
Toluene-D8	**100**	90.3 - 110		5/13/2024 16:37

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

Data File: z24084.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-03-050924		
Lab Sample ID:	242104-06	**Date Sampled:** 5/9/2024	15:50
Matrix:	Groundwater	**Date Received** 5/10/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.2	ug/L		5/18/2024 01:48
Acenaphthylene	< 10.2	ug/L		5/18/2024 01:48
Anthracene	< 10.2	ug/L		5/18/2024 01:48
Benzo (a) anthracene	< 10.2	ug/L		5/18/2024 01:48
Benzo (a) pyrene	< 10.2	ug/L		5/18/2024 01:48
Benzo (b) fluoranthene	< 10.2	ug/L		5/18/2024 01:48
Benzo (g,h,i) perylene	< 10.2	ug/L		5/18/2024 01:48
Benzo (k) fluoranthene	< 10.2	ug/L		5/18/2024 01:48
Chrysene	< 10.2	ug/L		5/18/2024 01:48
Dibenz (a,h) anthracene	< 10.2	ug/L		5/18/2024 01:48
Fluoranthene	< 10.2	ug/L		5/18/2024 01:48
Fluorene	< 10.2	ug/L		5/18/2024 01:48
Indeno (1,2,3-cd) pyrene	< 10.2	ug/L		5/18/2024 01:48
Naphthalene	< 10.2	ug/L		5/18/2024 01:48
Phenanthrene	< 10.2	ug/L		5/18/2024 01:48
Pyrene	< 10.2	ug/L		5/18/2024 01:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**31.5**	15.2 - 100		5/18/2024 01:48
Nitrobenzene-d5	**67.5**	47.4 - 98.9		5/18/2024 01:48
Terphenyl-d14	**73.8**	56 - 111		5/18/2024 01:48

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71489.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 16:56
Ethylbenzene	< 2.00	ug/L		5/13/2024 16:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-03-050924		
Lab Sample ID:	242104-06	**Date Sampled:** 5/9/2024	15:50
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 16:56
o-Xylene	< 2.00	ug/L		5/13/2024 16:56
Toluene	< 2.00	ug/L		5/13/2024 16:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**110**	80.5 - 124		5/13/2024 16:56
4-Bromofluorobenzene	**92.1**	78.2 - 114		5/13/2024 16:56
Pentafluorobenzene	**99.6**	90.8 - 109		5/13/2024 16:56
Toluene-D8	**101**	90.3 - 110		5/13/2024 16:56

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

Data File: z24085.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-DUP-050924		
Lab Sample ID:	242104-07	**Date Sampled:**	5/9/2024
Matrix:	Groundwater	**Date Received**	5/10/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 11.2	ug/L		5/18/2024 02:18
Acenaphthylene	< 11.2	ug/L		5/18/2024 02:18
Anthracene	< 11.2	ug/L		5/18/2024 02:18
Benzo (a) anthracene	< 11.2	ug/L		5/18/2024 02:18
Benzo (a) pyrene	< 11.2	ug/L		5/18/2024 02:18
Benzo (b) fluoranthene	< 11.2	ug/L		5/18/2024 02:18
Benzo (g,h,i) perylene	< 11.2	ug/L		5/18/2024 02:18
Benzo (k) fluoranthene	< 11.2	ug/L		5/18/2024 02:18
Chrysene	< 11.2	ug/L		5/18/2024 02:18
Dibenz (a,h) anthracene	< 11.2	ug/L		5/18/2024 02:18
Fluoranthene	< 11.2	ug/L		5/18/2024 02:18
Fluorene	< 11.2	ug/L		5/18/2024 02:18
Indeno (1,2,3-cd) pyrene	< 11.2	ug/L		5/18/2024 02:18
Naphthalene	< 11.2	ug/L		5/18/2024 02:18
Phenanthrene	< 11.2	ug/L		5/18/2024 02:18
Pyrene	< 11.2	ug/L		5/18/2024 02:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**21.1**	15.2 - 100		5/18/2024 02:18
Nitrobenzene-d5	**55.9**	47.4 - 98.9		5/18/2024 02:18
Terphenyl-d14	**77.7**	56 - 111		5/18/2024 02:18

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71490.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 17:16
Ethylbenzene	< 2.00	ug/L		5/13/2024 17:16

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-DUP-050924		
Lab Sample ID:	242104-07	**Date Sampled:**	5/9/2024
Matrix:	Groundwater	**Date Received**	5/10/2024

m,p-Xylene	< 2.00	ug/L		5/13/2024 17:16
o-Xylene	< 2.00	ug/L		5/13/2024 17:16
Toluene	< 2.00	ug/L		5/13/2024 17:16

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**110**	80.5 - 124		5/13/2024 17:16
4-Bromofluorobenzene	**98.6**	78.2 - 114		5/13/2024 17:16
Pentafluorobenzene	**102**	90.8 - 109		5/13/2024 17:16
Toluene-D8	**104**	90.3 - 110		5/13/2024 17:16

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

Data File: z24086.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW1A-051024		
Lab Sample ID:	242104-08	**Date Sampled:**	5/10/2024 12:25
Matrix:	Groundwater	**Date Received**	5/10/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 9.82	ug/L		5/18/2024 02:47
Acenaphthylene	< 9.82	ug/L		5/18/2024 02:47
Anthracene	< 9.82	ug/L		5/18/2024 02:47
Benzo (a) anthracene	< 9.82	ug/L		5/18/2024 02:47
Benzo (a) pyrene	< 9.82	ug/L		5/18/2024 02:47
Benzo (b) fluoranthene	< 9.82	ug/L		5/18/2024 02:47
Benzo (g,h,i) perylene	< 9.82	ug/L		5/18/2024 02:47
Benzo (k) fluoranthene	< 9.82	ug/L		5/18/2024 02:47
Chrysene	< 9.82	ug/L		5/18/2024 02:47
Dibenz (a,h) anthracene	< 9.82	ug/L		5/18/2024 02:47
Fluoranthene	< 9.82	ug/L		5/18/2024 02:47
Fluorene	< 9.82	ug/L		5/18/2024 02:47
Indeno (1,2,3-cd) pyrene	< 9.82	ug/L		5/18/2024 02:47
Naphthalene	< 9.82	ug/L		5/18/2024 02:47
Phenanthrene	< 9.82	ug/L		5/18/2024 02:47
Pyrene	< 9.82	ug/L		5/18/2024 02:47

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**19.3**	15.2 - 100		5/18/2024 02:47
Nitrobenzene-d5	**39.8**	47.4 - 98.9	*	5/18/2024 02:47
Terphenyl-d14	**54.7**	56 - 111	*	5/18/2024 02:47

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71491.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 17:35
Ethylbenzene	< 2.00	ug/L		5/13/2024 17:35

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW1A-051024		
Lab Sample ID:	242104-08	**Date Sampled:** 5/10/2024	12:25
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 17:35
o-Xylene	< 2.00	ug/L		5/13/2024 17:35
Toluene	< 2.00	ug/L		5/13/2024 17:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	80.5 - 124		5/13/2024 17:35
4-Bromofluorobenzene	**88.3**	78.2 - 114		5/13/2024 17:35
Pentafluorobenzene	**98.6**	90.8 - 109		5/13/2024 17:35
Toluene-D8	**98.5**	90.3 - 110		5/13/2024 17:35

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

Data File: z24087.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-03-051024		
Lab Sample ID:	242104-09	**Date Sampled:**	5/10/2024 14:00
Matrix:	Groundwater	**Date Received**	5/10/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.3	ug/L		5/18/2024 03:17
Acenaphthylene	< 10.3	ug/L		5/18/2024 03:17
Anthracene	< 10.3	ug/L		5/18/2024 03:17
Benzo (a) anthracene	< 10.3	ug/L		5/18/2024 03:17
Benzo (a) pyrene	< 10.3	ug/L		5/18/2024 03:17
Benzo (b) fluoranthene	< 10.3	ug/L		5/18/2024 03:17
Benzo (g,h,i) perylene	< 10.3	ug/L		5/18/2024 03:17
Benzo (k) fluoranthene	< 10.3	ug/L		5/18/2024 03:17
Chrysene	< 10.3	ug/L		5/18/2024 03:17
Dibenz (a,h) anthracene	< 10.3	ug/L		5/18/2024 03:17
Fluoranthene	< 10.3	ug/L		5/18/2024 03:17
Fluorene	< 10.3	ug/L		5/18/2024 03:17
Indeno (1,2,3-cd) pyrene	< 10.3	ug/L		5/18/2024 03:17
Naphthalene	< 10.3	ug/L		5/18/2024 03:17
Phenanthrene	< 10.3	ug/L		5/18/2024 03:17
Pyrene	< 10.3	ug/L		5/18/2024 03:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**21.9**	15.2 - 100		5/18/2024 03:17
Nitrobenzene-d5	**59.9**	47.4 - 98.9		5/18/2024 03:17
Terphenyl-d14	**76.8**	56 - 111		5/18/2024 03:17

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71492.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 17:55
Ethylbenzene	< 2.00	ug/L		5/13/2024 17:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	NK-MW-10-03-051024		
Lab Sample ID:	242104-09	**Date Sampled:** 5/10/2024	14:00
Matrix:	Groundwater	**Date Received** 5/10/2024	

m,p-Xylene	< 2.00	ug/L		5/13/2024 17:55
o-Xylene	< 2.00	ug/L		5/13/2024 17:55
Toluene	< 2.00	ug/L		5/13/2024 17:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	80.5 - 124		5/13/2024 17:55
4-Bromofluorobenzene	**91.1**	78.2 - 114		5/13/2024 17:55
Pentafluorobenzene	**95.4**	90.8 - 109		5/13/2024 17:55
Toluene-D8	**98.6**	90.3 - 110		5/13/2024 17:55

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

Data File: z24088.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 242104

Client: **Neu-Velle**

Project Reference: RGE Newark

Sample Identifier:	Trip Blank T1183		
Lab Sample ID:	242104-10	**Date Sampled:**	5/7/2024
Matrix:	Water	**Date Received**	5/10/2024

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	< 1.00	ug/L		5/13/2024 18:14
Ethylbenzene	< 2.00	ug/L		5/13/2024 18:14
m,p-Xylene	< 2.00	ug/L		5/13/2024 18:14
o-Xylene	< 2.00	ug/L		5/13/2024 18:14
Toluene	< 2.00	ug/L		5/13/2024 18:14

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	80.5 - 124		5/13/2024 18:14
4-Bromofluorobenzene	**91.4**	78.2 - 114		5/13/2024 18:14
Pentafluorobenzene	**98.6**	90.8 - 109		5/13/2024 18:14
Toluene-D8	**101**	90.3 - 110		5/13/2024 18:14

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

Data File: z24089.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: **Neu-Velle**
Project Reference: RGE Newark
Lab Project ID: 242104
SDG #: 2104-01
Matrix: Groundwater

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	<10.0	ug/L		5/17/2024 07:23
Acenaphthylene	<10.0	ug/L		5/17/2024 07:23
Anthracene	<10.0	ug/L		5/17/2024 07:23
Benzo (a) anthracene	<10.0	ug/L		5/17/2024 07:23
Benzo (a) pyrene	<10.0	ug/L		5/17/2024 07:23
Benzo (b) fluoranthene	<10.0	ug/L		5/17/2024 07:23
Benzo (g,h,i) perylene	<10.0	ug/L		5/17/2024 07:23
Benzo (k) fluoranthene	<10.0	ug/L		5/17/2024 07:23
Chrysene	<10.0	ug/L		5/17/2024 07:23
Dibenz (a,h) anthracene	<10.0	ug/L		5/17/2024 07:23
Fluoranthene	<10.0	ug/L		5/17/2024 07:23
Fluorene	<10.0	ug/L		5/17/2024 07:23
Indeno (1,2,3-cd) pyrene	<10.0	ug/L		5/17/2024 07:23
Naphthalene	<10.0	ug/L		5/17/2024 07:23
Phenanthrene	<10.0	ug/L		5/17/2024 07:23
Pyrene	<10.0	ug/L		5/17/2024 07:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**28.0**	15.2 - 100		5/17/2024 07:23
Nitrobenzene-d5	**67.9**	47.4 - 98.9		5/17/2024 07:23
Terphenyl-d14	**77.5**	56 - 111		5/17/2024 07:23

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71450.D
QC Batch ID: QC240516ABNW
QC Number: Blk 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Neu-Velle**
Project Reference: RGE Newark
Lab Project ID: 242104
SDG #: 2104-01
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	33.0	66.0	48 - 90.7		5/17/2024
Pyrene	50.0	ug/L	39.6	79.1	56 - 105		5/17/2024

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File: B71451.D
QC Number: LCS 1
QC Batch ID: QC240516ABNW

Report Prepared Monday, May 20, 2024

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Matrix Spike and Matrix Spike Duplicate

SDG #: 2104-01

Client: **Neu-Velle**

Lab Project ID: 242104

Project Reference: RGE Newark

Lab Sample ID: 242104-02
Sample Identifier: NK-MW-22-01-050924
Matrix: Groundwater

Date Sampled: 5/9/2024
Date Received: 5/10/2024
Date Analyzed: 5/17/2024

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	< 10.4	ug/L	54.1	34.5	63.8	56.7	36.9	65.2	48 - 90.7			2.10	26.9	
Pyrene	< 10.4	ug/L	54.1	38.1	70.5	56.7	40.3	71.1	56 - 105			0.829	36	

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/16/2024
Data File(s): B71455.D
B71456.D
B71454.D
1
QC Batch ID: QC240516ABNW

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

Report Prepared Monday, May 20, 2024

PARADIGM ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: **Neu-Velle**
Project Reference: RGE Newark
Lab Project ID: 242104
SDG #: 2104-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Benzene	<1.00	ug/L		5/13/2024 13:00
Ethylbenzene	<2.00	ug/L		5/13/2024 13:00
m,p-Xylene	<2.00	ug/L		5/13/2024 13:00
o-Xylene	<2.00	ug/L		5/13/2024 13:00
Toluene	<2.00	ug/L		5/13/2024 13:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	80.5 - 124		5/13/2024 13:00
4-Bromofluorobenzene	**92.1**	78.2 - 114		5/13/2024 13:00
Pentafluorobenzene	**102**	90.8 - 109		5/13/2024 13:00
Toluene-D8	**101**	90.3 - 110		5/13/2024 13:00

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z24073.D
QC Batch ID: voaw240513
QC Number: Blk 1

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Neu-Velle**

Project Reference: RGE Newark

Lab Project ID: 242104

SDG #: 2104-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Benzene	20.0	ug/L	20.0	100	83.4 - 108		5/13/2024
Ethylbenzene	20.0	ug/L	19.7	98.3	83.3 - 107		5/13/2024
Toluene	20.0	ug/L	20.1	100	84.8 - 106		5/13/2024

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

Data File: z24072.D

QC Number: LCS 1

QC Batch ID: voaw240513

Report Prepared Monday, May 20, 2024

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Matrix Spike and Matrix Spike Duplicate

SDG #: 2104-01

Client: **Neu-Velle**

Lab Project ID: 242104

Project Reference: RGE Newark

Lab Sample ID: 242104-02
Sample Identifier: NK-MW-22-01-050924
Matrix: Groundwater

Date Sampled: 5/9/2024
Date Received: 5/10/2024
Date Analyzed: 5/13/2024

Volatile Organics

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	45.9	91.8	50.0	48.7	97.4	83.4 - 108			5.96	13.6	
Ethylbenzene	< 2.00	ug/L	50.0	46.5	93.1	50.0	49.5	99.0	83.3 - 107			6.19	11.8	
Toluene	< 2.00	ug/L	50.0	45.5	91.1	50.0	48.1	96.2	84.8 - 106			5.41	12.8	

Method Reference(s): EPA 8260C
EPA 5030C
Data File(s): z24091.D
z24092.D
z24090.D
1
QC Batch ID: voaw240513

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

Report Prepared *Monday, May 20, 2024*

Analytical Report Appendix

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

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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

1057

CHAIN OF CUSTODY

PARADIGM
ENVIRONMENTAL SERVICES

REPORT TO:			INVOICE TO:			LAB PROJECT ID
COMPANY: New-Velle			COMPANY: SAME			242104
address:			ADDRESS:			Quotation #:
CITY:	STATE:	ZIP:	CITY:	STATE:	ZIP:	
PHONE:	FAX:		PHONE:	FAX:		Email: arotuisss Lreid @New-velle.com
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	8260 BTEX	8270 PAH	6012 TAL	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/9/24	1005	X	X	NK_MW-11-05_050924	GW	4	X	X	X		01
5/9/24	1125	X	X	NK_MW-22-01_050924	GW	12	X	X	X	MS/MSD	02
5/9/24	1230	X	X	NK_EQBlank_050924	GW	4	X	X	X		03
5/9/24	1325	X	X	NK_MW3A_050924	GW	4	X	X	X		04
5/9/24	1445	X	X	NK_MW-10-01_050924	GW	4	X	X	X		05
5/9/24	1550	X	X	NK_MW-10-03_050924	GW	4	X	X	X		06
5/9/24	—	✓	X	NK_DUP_050924	GW	4	X	X	X		07
5/10/24	1225	X	X	NK_MW1A_051024	GW	4	X	X	X		08
5/10/24	1400	✓	X	NK_MW-10-03_051024	GW	4	X	X	X	(MW-10-04)	09
—	—	—	—	TripBlank	—	1	X	X	X	TRIP Blank	10

T1181 made at Paradigm 5/7/24 per Trip Blank Log Book. GP 5/10/24

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

Sampled By: [signature] Date/Time: 5/10/24 1550

Relinquished By: [signature] Date/Time: 5/10/24 1507

Received By: Guillermo Hyde Date/Time: 5/10/24 1507

Received @ Lab By: Guillermo Hyde Date/Time: 5/10/24 1507

Total Cost:

P.I.F.

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

4°C iced 5/10/24 15:12

Custody Seal N/A, samples delivered by client. GP 5/10/24

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: New Vista

Lab Project ID: 242104

Completed by: [signature]

Date: 5/10/2024

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	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☒ VOA	☐	☒
Comments			
Preservation	☒ Y / N VOA Label	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐
Comments	4°C		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

Adirondack Environmental Services, Inc.

Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
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May 17, 2024

Emily Farmen
Paradigm Environmental
179 Lake Avenue
Rochester, NY 14608

TEL: (800) 724-1997

Work Order No: 240513019

RE: Analysis of Samples
Project #242104

Adirondack Environmental Services, Inc received 9 samples on 5/13/2024 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 #242104

Date: *17-May-24*

Lab WorkOrder: **240513019**

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: 240513019-001 **Collection Date:** 5/9/2024 10:05:00 AM
Client Sample ID: 242104-01 (NK-MW-11-05-050 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**0.019**	0.010		mg/L	1	5/17/2024 12:48:25 PM

Lab SampleID: 240513019-002 **Collection Date:** 5/9/2024 11:25:00 AM
Client Sample ID: 242104-02 (NK-MW-22-01-050 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**0.023**	0.010	N	mg/L	1	5/17/2024 12:50:10 PM

Lab SampleID: 240513019-003 **Collection Date:** 5/9/2024 12:30:00 PM
Client Sample ID: 242104-03 (NK-EQBlank-05092 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010		mg/L	1	5/17/2024 12:55:20 PM

Lab SampleID: 240513019-004 **Collection Date:** 5/9/2024 1:25:00 PM
Client Sample ID: 242104-04 (NK-MW3A-050924) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010		mg/L	1	5/17/2024 12:57:04 PM

Lab SampleID: 240513019-005 **Collection Date:** 5/9/2024 2:45:00 PM
Client Sample ID: 242104-05 (NK-MW-10-01-050 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010		mg/L	1	5/17/2024 1:02:12 PM

Lab SampleID: 240513019-006 **Collection Date:** 5/9/2024 3:50:00 PM
Client Sample ID: 242104-06 (NK-MW-10-03-050 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010	S	mg/L	1	5/16/2024 2:08:41 PM

Lab SampleID: 240513019-007 **Collection Date:** 5/9/2024
Client Sample ID: 242104-07 (NK-DUP-050924) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010	S	mg/L	1	5/16/2024 2:10:27 PM

Lab SampleID: 240513019-008 **Collection Date:** 5/10/2024 12:25:00 PM
Client Sample ID: 242104-08 (NK-MW1A-051024) **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010	S	mg/L	1	5/16/2024 2:12:12 PM

Lab SampleID: 240513019-009 **Collection Date:** 5/10/2024 2:00:00 PM
Client Sample ID: 242104-09 (NK-MW-10-03-051 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CYANIDE, TOTAL - EPA 335.4 REV 1.0						Analyst: **GK**
(Prep: 335.4 - 5/16/2024)						
Cyanide	**ND**	0.010	S	mg/L	1	5/16/2024 2:13:31 PM

CLIENT: Paradigm Environmental
Work Order: 240513019
Project: Analysis of Samples

ANALYTICAL QC SUMMARY REPORT

BatchID: 108828

MBLK

SeqNo: **3789641** PrepDate:**5/16/2024** TestNo: **E335.4** RunNo: **233142**
Samp ID: **MB-108828** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/16/2024**

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

LCS

SeqNo: **3789642** PrepDate:**5/16/2024** TestNo: **E335.4** RunNo: **233142**
Samp ID: **LCS-108828** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/16/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.0825	0.010	0.098	0	84.2	90	110	0	0		S

MS

SeqNo: **3789646** PrepDate:**5/15/2024** TestNo: **E335.4** RunNo: **233142**
Samp ID: **240506060-001A** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/16/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.08575	0.010	0.098	0	87.5	90	110	0	0		S

DUP

SeqNo: **3789644** PrepDate:**5/15/2024** TestNo: **E335.4** RunNo: **233142**
Samp ID: **240508139-002** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/16/2024**

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	14.2	

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

CLIENT: Paradigm Environmental
Work Order: 240513019
Project: Analysis of Samples

ANALYTICAL QC SUMMARY REPORT

BatchID: 108872

MBLK

SeqNo: **3790493** PrepDate:**5/17/2024** TestNo: **E335.4** RunNo: **233197**
Samp ID: **MB-108872** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/17/2024**

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

LCS

SeqNo: **3790496** PrepDate:**5/17/2024** TestNo: **E335.4** RunNo: **233197**
Samp ID: **LCS-108872** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/17/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.09073	0.010	0.098	0	92.6	90	110	0	0		

MS

SeqNo: **3790502** PrepDate:**5/16/2024** TestNo: **E335.4** RunNo: **233197**
Samp ID: **240513019-002A (242104-02 (NK-M** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/17/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.1076	0.010	0.098	0.02326	86	90	110	0	0		S

MSD

SeqNo: **3790503** PrepDate:**5/16/2024** TestNo: **E335.4** RunNo: **233197**
Samp ID: **240513019-002A (242104-02 (NK-M** PrepRef:**(335.4)** Units: **mg/L** Analysis Date: **5/17/2024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref	%RPD(SD-%D)	RPDLimit	Qual
Cyanide	0.09682	0.010	0.098	0.02326	75.1	90	110	0.1076	10.5	20	S

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

1 of 1

CHAIN OF CUSTODY

240513019

ELAP ID:

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJEC
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: 5/20/24	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCN 9012	MS/MSD	QC Supplement REMARKS	PARAL. SAMPLE NUMBER
1	5/9/24	10:05			NK-MW-11-05-050924	Ground water	1	X		24204-01	
2		11:25			NK-MW-22-01-050924		3	X	X	-02	
3		12:30			NK-EQBlank-050924		1	X		-03	
4		13:25			NK-MW3A-050924		1	X		-04	
5		14:45			NK-MW-10-01-050924		1	X		-05	
6		15:50			NK-MW-10-03-050924		1	X		-06	
7	↓	—			NK-DUP-050924		1	X		-07	
8	5/10/24	12:25			NK-MW1A-051024		1	X		-08	
9	↓	14:00			NK-MW-10-03-051024	↓	1	X		-09	
10											

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	
[signature]	5/13/24	08:30
Relinquished By	Date/Time	
[signature]	5/13/24	11:00
Received By	Date/Time	
CK	5/13	1:30
Received @ Lab By	Date/Time	

Total Cost:

P.I.F.

Adirondack Environmental Services Inc.
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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.