PERIODIC REVEW REPORT

For

300-320 SCAJ LLC
5102 Donnington Road
Clarence, New York

Site

Saginaw – Buffalo Site
Site Number 915152
320 Scajaquada Street
Buffalo, New York

Dates Covered by Report
August 31, 2023 to August 31, 2024

Prepared by**:**

NEU-VELLE LLC

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Section 1

NEU-VELLE LLC

Summary

1.0 Summary

NEU-VELLE LLC (NEU-VELLE) has prepared this Site Management (SM) Periodic Review Report (PRR) for the Saginaw-Buffalo Site (Site) located at 320 Scajacuada Street in the City of Buffalo, Erie County. The Site is defined as the former Parking Lot #4 associated with the former General Motors and American Axle & Manufacturing (AAM) facility that manufactured axles and drive-train components for cars and trucks. The Site covers an area of approximately 7.248 acres (SBL Parcel No. 101.24-1-3.1) and is included in the New York Registry of Inactive Hazardous Waste Sites (Site No. 915152). Site Institutional Controls (ICs) and Engineering Controls (ECs) were adhered to over the PRR reporting period and continue to be effective in maintaining the remedial objectives. No changes to the existing SMP have occurred or are recommended during this PRR reporting period.

1.1 Site Summary

General Motors (GM) purchased several parcels in the mid-1960s and constructed Parking Lot #4 which is the current listed Site. In 1989 during a spill cleanup of industrial oil by GM, excavated soil was found to contain Polychlorinated Biphenyls (PCBs). The Site was sold to AAM in 1994 along with the main facility west of the railroad right of way. As part of this conveyance, a deed restriction was placed on the property limiting it for use for industrial purposes only. GM-Saginaw Division, the previous owner of the Site, entered into a Consent Order in 1995 and a Final Site Investigation Report and Engineering Evaluation Report of Alternatives was completed in 1997. A Record of Decision (ROD) was issued in March 1998 which required: 1) The further removal of PCB contaminated soil, water and oil; 2) Maintenance of the pavement to reduce infiltration and provided a barrier to lead contaminated soil; and 3) Long-term monitoring and maintenance. Remediation (the “removal of PCB contaminated soil, water and oil”) of the Site was completed in 1998 and a long-term operation and maintenance (O&M) plan is in place. The property was sold to East Delavan Property, LLC in October 2008.

The paved portion of the Site is currently utilized periodically by the City of Buffalo for training school bus drivers. There remainder of the Site is vacant. The property was purchased by 300-320 SCAJ LLC on February 9, 2023. The groundwater monitoring wells

were re-surveyed by the previous consultant in November 2022. In addition, the owner is currently constructing a building addition on the adjacent property which will expand onto the 320 Scajaquada site as well as removal of the existing wastewater treatment plant.

1.2 Effectiveness of the Remedial Program

Remediation of the Site was completed between 1998 and 2000 and included:

- Dewatering of an approximately 1-acre area surrounding the former Wastewater Treatment Plant and on-site water treatment, confirmatory effluent sampling and analysis, and batch discharge to the Buffalo Sewer Authority (BSA) sanitary sewer system;
- Excavating fill/soil containing greater than the site cleanup goal of 10 parts per million (ppm) PCBs in the OU1 area, and confirmatory sampling;
- Transporting excavated materials off-site for treatment and disposal;
- Backfilling of the OU1 excavation with clay soil; and
- Paving the excavation area (OU1) and repaving of the OU2 area which was the remainder of the Parking Lot No. 4.

The remedial program was effective and long-term site monitoring requirements were established requiring:

- Pavement inspection and maintenance conducted on an annual basis to ensure that the integrity of the asphalt surface has been maintained;
- Visual inspection of storm sewer manhole covers and manhole risers for structural damage;
- Groundwater sampling of Site monitoring wells for PCBs, Total Lead, and Soluble Lead; and
- Storm sewer sampling from Manhole #2 for PCBs and Total Lead.

Groundwater sampling has been conducted on a biennial basis since 2008 and storm sewer sampling (Manhole #2) on an annual basis.

A requirement for the collection of groundwater samples for per and polyfluoroalkyl substances (PFAS) and 1,4-Dioxane at monitoring wells MW-204 (PFAS only), MW-211, and MW-202 were added to the biennial program in March 2021. The next biennial Groundwater sampling will be conducted in October 2026 and included in the subsequent PRR (2026).

Pavement inspection, storm sewer visual inspection, and storm sewer sampling are conducted on an annual basis.

1.2.1 Progress During the Reporting Period

The cover system is intact and functioning as intended except for the area of new building construction on the 300 Scajaquada site. However, there is vegetation observed in the edges/cracks of the asphalt in several areas of the parking lot. Removal will be conducted in the spring of 2025 and documented in the next PRR. Once the new building addition is complete, the cover system on the site will be put back in place and repaired. No groundwater use occurred during this reporting period. NEU-VELLE conducted the annual inspection on August 20, 2024 and completed the required inspection form (Appendix A). Photographs of the inspection are included in Appendix B.

The biennial groundwater sampling was completed in August 2024. A tabular summary of groundwater and storm sewer sampling results is provided in Appendix A. There were no detections of PCBs above Class GA standards. Total lead was detected above the Class GA standard of 25 ug/L in wells MW-210, MW-209, MW-206. and MW-202. Perfluorooctanoic Acid (PFOA) were detected at concentrations above the NYSDEC guidance levels of 2.7/6.7 ng/L as stated in the April 2023 Guidelines for Sampling and Analysis of PFAS for industrial use at monitoring wells MW-211 and MW-202. 1,4-Dioxane was detected above the Class GA standard of 0.35 µg/L at MW-211. All purge water collected during sampling activities was placed in the on-site frac tank for future disposal following completion of the demolition activities of the wastewater treatment plant. Disposal receipts will be presented in the wastewater treatment plant closure report to be submitted to the Department once completed.

The annual storm sewer sampling from Manhole #2 was not able to be conducted due to the manhole was dry at the time of inspection. There were no significant accumulation of sediment in the manhole at the time of inspection. The EQuIS formatted EDD from the August 2024 groundwater sampling was submitted to the NYSDEC on November 15, 2024. The laboratory report is provided as Appendix D.

On August 23, 2023, a Petition for Delisting a portion of the property for expansion of the building adjacent to the property (300 Scajaquada Street) was submitted to the NYSDEC. On September 11, 2023, NYSDEC provided comments on the petition which required analytical soil data for the area proposed for delisting. A final workplan for the investigation of subsurface soils was submitted to the NYSDEC on November 15, 2023 and approved on December 19, 2023. The investigation was conducted on February 1, 2024 and a summary report submitted to the NYSDEC on March 22, 2024. The NYSDEC denied the Petition for Delisting on April 24, 2024, due to exceedances of the Industrial Soil Cleanup Objectives (Part 375-6.8(b)) and the presence of grossly contaminated media observed during the investigation.

A Building Expansion Workplan and Wastewater Treatment Plant Closure Plan were submitted to the NYSDEC and approved on May 30, 2024, and September 4, 2024, respectively. Following completion of work, a summary report of each project will be submitted to the NYSDEC.

A Change of Use Form was submitted to the NYSDEC of November 16, 2023 regarding the demolition of the existing out-of-service wastewater treatment plant located on the site. The acknowledgement of receipt of the Change of Use Form from the NYSDEC was on November 17, 2023.

1.2.2 Progress to Remedial Objectives for the Site

The Remedial Objectives (ROs) for the Site as established in the March 1998 Record of Decision (ROD) have been achieved and the Site has been in long-term monitoring since 2002. The ROs were as follows:

- To the extent practicable, reduce the potential for human contact with PCBs and lead impacted soils;
- Prevent or greatly reduce the potential for migration of contaminants via surface run-off and on-site drain lines;
- Prevent, to the extent practicable, migration of contaminants at the site to the Scajaquada Creek Drain; and
- To the extent practicable, provide for attainment of SCGs in groundwater.

1.3 Compliance

There were no areas of potential non-compliance identified during the reporting period.

1.4 Recommendations

There are no recommended changes to the SMP at this time.

Section 2

NEU-VELLE LLC

Site Overview

2.0 Site Overview

2.1 Site Location

The Site is located at 320 Scajacuada Street in the City of Buffalo, Erie County. The Site is defined as the former Parking Lot #4 associated with the former General Motors and American Axle & Manufacturing (AAM) facility that manufactured axles and drive-train components for cars and trucks. The Site covers an area of approximately 7.248 acres and is included in the New York Registry of Inactive Hazardous Waste Sites (Site No. 915152). Currently the site is used for bus driver training and consists of an asphalt parking area. In addition, the site houses a decommissioned wastewater treatment facility which is in the process of being removal and a portion of a new building expansion on the 300 Scajaquada Street site.

2.2 Chronology of the Remedial Program

GM and NYSDEC entered on Order on Consent (Index #B9-0410-92-09), effective February 2, 1995, pursuant to which GM performed an Interim Remedial Measure (IRM) at OU1 and conducted a Site Investigation and Engineering Evaluation of Alternatives in both OU1 and OU2. Based upon the Engineering Evaluation of Alternatives Report prepared by Wehran-New York, Inc. (ENCOR), NYSDEC prepared a Proposed Remedial Action Plan, which it submitted for public comment in February 1998.

NYSDEC selected a final remedial alternative for the Site in a ROD that was issued in March 1998. A Remedial Design (RD) Report was prepared by EMCON to implement the ROD-selected remedial alternatives at the Site. The RD Report was approved by the NYSDEC, and remedial activities were conducted between July 1998 and March 2000.

Section 3

NEU-VELLE LLC

Remedy Performance, Effectiveness, and Protectiveness

3.0 Remedy Performance, Effectiveness, and Protectiveness

The performance, effectiveness, and protectiveness of the remedy are verified through evaluating each of the primary remedial measures.

- The pavement and structural integrity of the sewer system remain in good condition at the Site based on a visual evaluation that was conducted in August 2024. The next annual inspection will be conducted in August 2025.

- Groundwater samples in accordance with the O&M plan were collected on August 20, 2024. However, MW- 204 was damaged and MW-208 was totally dry and therefore could not be sampled. Based on the inspection of MW-204, the well casing was broken and the remaining well has collapsed making it unrepairable. It is recommended that the well be decommissioned/replaced in the spring of 2025.

- Sewer samples in accordance with the O&M plan were not able to be collected because there was no flow in the sewer at the time of the inspection. Sewer samples will be collected in 2025 and the results reported in the next PRR.

- MW-206 will be repaired during the next reporting period.

- MW-201 will be decommissioned per CP-43 during the next reporting period.

Section 4

NEU-VELLE LLC

IC/EC Plan Compliance Report

4.0 IC/EC Plan Compliance Report

4.1 IC/EC Requirements and Compliance

A series of IC's have been developed and are being adhered to at the Site and include:

- Inspection and maintenance of Parking Lot #4.
- Groundwater and sewer monitoring in accordance with the April 2001 O&M
- Manual and subsequent modifications to the O&M Manual in January 2004 and September 2008.

4.1.1 Controls

Engineering controls (ECs) developed for the Site consist of an asphalt pavement cover system.

4.1.2 Status

The Site IC/ECs are all currently active and in force.

4.1.3 Corrective Measures

There are no corrective measures proposed at this time.

4.2 IC/EC Certification

The IC/EC certifications are provided in Appendix D.

Section 5

NEU-VELLE LLC

Monitoring Plan Compliance Report

5.0 Monitoring Plan Compliance Report

5.1 Monitoring Plan Compliance Report

Routine Site Monitoring includes annual pavement inspection, annual visual inspection of sewer structure integrity, annual storm sewer sample collection, biennial groundwater sample collection, and periodic certification.

5.2 Monitoring Completed During Reporting Period

NEU-VELLE conducted the annual inspection on August 20, 2024 and completed the required inspection form (Appendix B). The cover system remains in good condition except in the areas of building construction which will be repaired as part of the building expansion project for the 300 Scajaquada Street site.

Groundwater sampling for PCBs, Total Lead, and Soluble Lead was conducted on August 20, 2024. Sampling for PFAS and 1,4-Dioxane was conducted at select monitoring wells.

Storm sewer sampling from Manhole #2 for PCBs and Total Lead was not conducted during this monitoring period due to no water in manhole.

Laboratory analytical results for samples collected during the reporting period are provided in Appendix C and the EDDs formatted for the NYSDEC Environmental Information Management System (EIMS) was submitted to the NYSDEC database on November 15, 2024.

There were no emergencies or unforeseen failures of established ECs that would require non-routine inspections.

5.3 Monitoring Deficiencies

No monitoring deficiencies were noted during the reporting period.

5.4 Conclusions and Recommendations for Changes

There are no recommendations for changes at this time.

Section 6

NEU-VELLE LLC

Operation & Maintenance (O&M) Plan Compliance Report

6.0 Operation & Maintenance (O&M) Plan Compliance Report

The Site remedy does not rely on any mechanical systems to protect public health and the environment; therefore, an O&M Plan Compliance Report is not applicable to this PRR.

Section 7

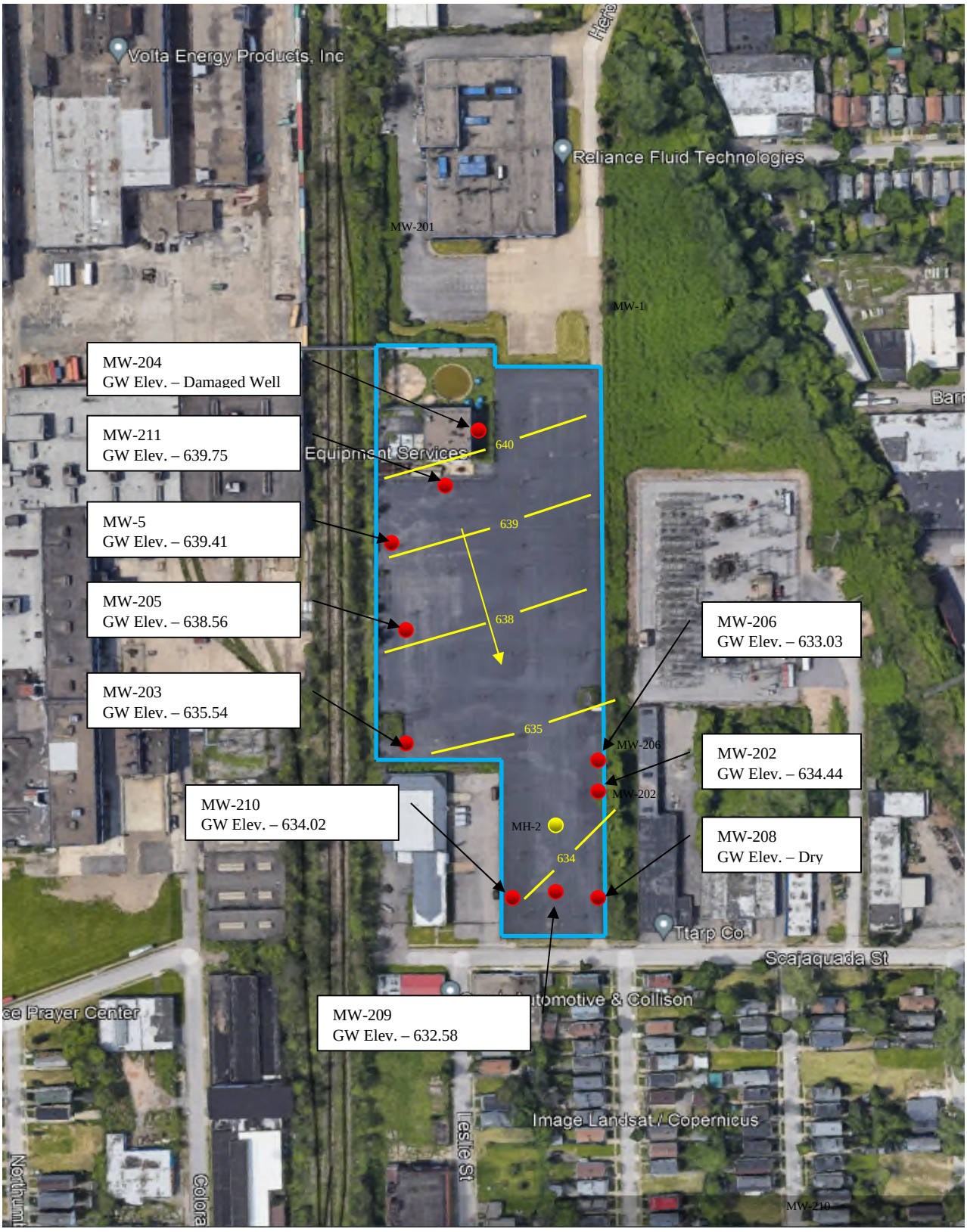
NEU-VELLE LLC

Overall PRR Conclusions and Recommendations

7.0 Overall PRR Conclusions and Recommendations

Site IC/ECs remain in place and are effective in maintaining the remedial objectives. No changes to the established SMP are recommended during the next PRR reporting period.

Figures



Property Boundary — Monitoring Well ● Manhole ●

Appendix A

NEU-VELLE LLC

Biennial Groundwater Sampling and Annual Storm Sewer Sampling Summary

Saginaw Site (Site #915152)
GW Well Data
August 2024

Elevation	MW-5	MW-202	MW-203	MW-204	MW-205	MW-206	MW-208	MW-209	MW-210	MW-211
Top of Well	645.29	639.11	639.23	643.73	641.61	639.34	638.16	636.63	638.08	643.39
Depth to Water (8/20/24)	5.88	4.67	3.69	Damaged	3.05	6.31	Dry	4.05	4.06	3.64
Groundwater Elevation	639.41	634.44	635.54	-	638.56	633.03	-	632.58	634.02	639.75

Top of well identification is noted from Niagara Boundary Survey map dated November 16, 2022.

Saginaw Site (Site #915152)
Semi-Annual GW Sampling Results
August 2024
SMP Constituents

	Class GA GW Standards	MW-5	MW-202	MW-203	MW-204	MW-205	MW-206	MW-208	MW-209	MW-210	MW-211
		8/20/24	8/20/24	8/20/24	8/20/24	8/20/24	8/20/24	8/20/24	8/20/24	8/20/24	8/20/24
Metals (mg/L)											
Lead (Total)	0.025	<0.05	**0.384**	<0.05	NS	<0.05	**3.26**	NS	**2.75**	**0.47**	<0.05
Lead (Dissolved)	0.025	<0.05	<0.05	<0.05	NS	<0.05	<0.05	NS	<0.05	<0.05	<0.05
PCBs (ug/L)											
PCB-1016	0.09 (1)	<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93
PCB-1221		<1.9	<19	<1.9	NS	<1.9	<1.9	NS	<19	<1.9	<1.9
PCB-1232		<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93
PCB-1242		<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93
PCB-1248		<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93
PCB-1254		<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93
PCB-1260		<0.93	<9.3	<0.93	NS	<0.93	<0.93	NS	<9.3	<0.93	<0.93

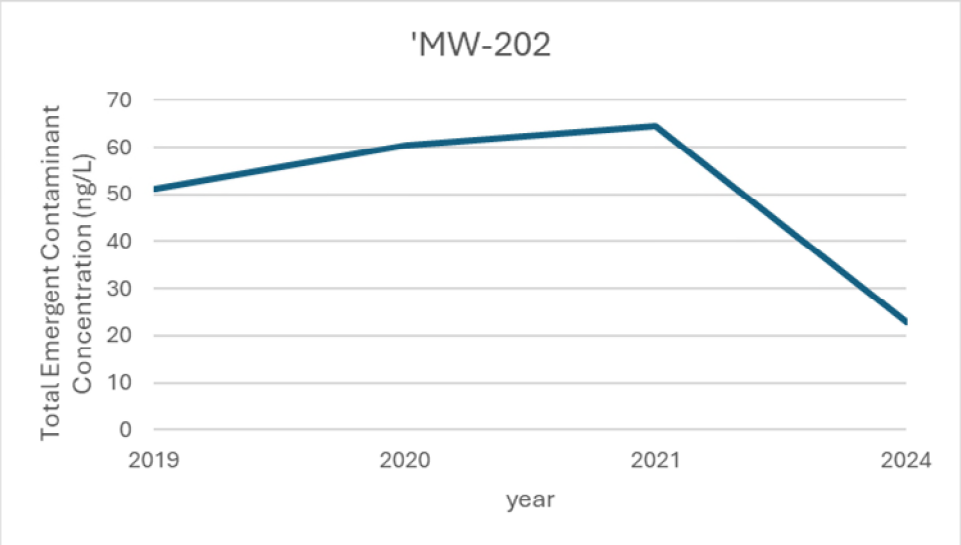
(1) Applicable standard is the sum of all cogeners.
(2) Bold indicates a reportable concentration.
(3) Green highlighted value indicates an exceedance of the standard shown
(4) "<" analyte not detected above reporting limit shown.
(5) "J" Estimated value.
(6) "NS" well was not sampled due to damaged well or dry.

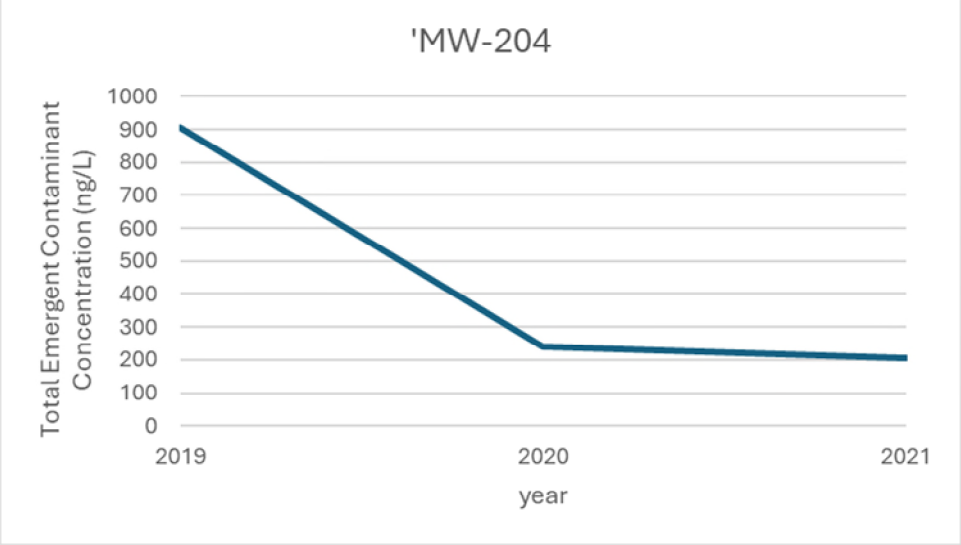
Saginaw Site (Site #915152)
Semi-Annual GW Sampling Results
Emergent Contaminants - August 2024

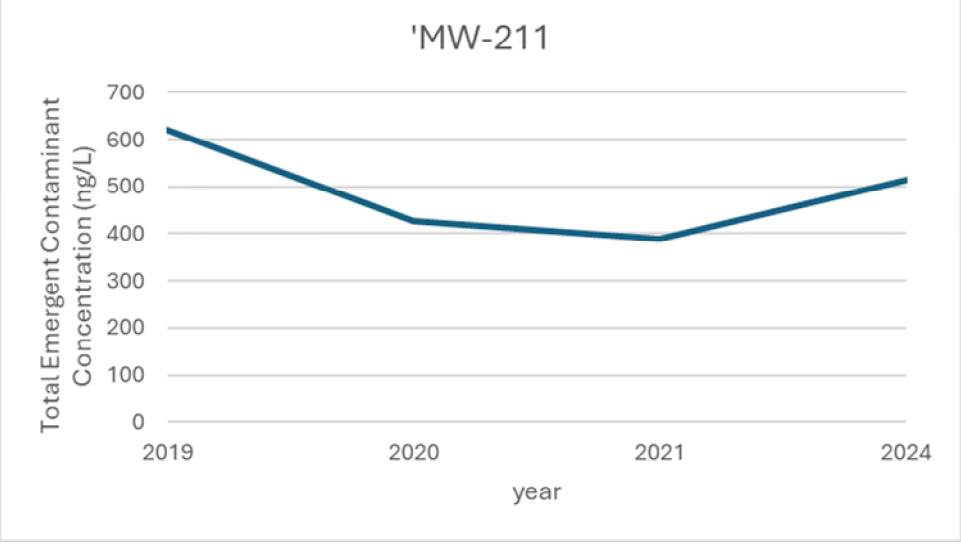
	NYSDEC Guidance (1)	MW-202 8/20/24	MW-204 8/20/24	MW-211 8/20/24
SVOCs (ug/L)				
1,4-Dioxane	0.35	<0.2	NS	**3.3**
PFOS/PFAS (ng/L)				
11-Chloroeicosafluoro-3-oxaundecane-1- sulfonic acid	N/A	<4.71	NS	<4.73
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	N/A	<4.79	NS	**16.5**
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	N/A	<4.82	NS	<4.84
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	N/A	<4.67	NS	<4.69
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	N/A	<4.74	NS	**73.1**
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	N/A	<5.00	NS	<5.02
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	N/A	<5.00	NS	<5.02
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	N/A	<5.00	NS	<5.02
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	N/A	<4.71	NS	<4.73
9-Chlorohexadecafluoro-3-oxanonane-1- sulfonic acid (9-Cl-PF3ONS)	N/A	<4.66	NS	<4.68
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	N/A	<5.00	NS	<5.02
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	N/A	<5.00	NS	<5.02
N-Ethylperfluorooctane sulfonamido NEtFOSAA)	N/A	<5.00	NS	<5.02
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	N/A	<5.00	NS	<5.02
N-Methylperfluorooctane sulfonamide (MeFOSA)	N/A	<5.00	NS	<5.02
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	N/A	<5.00	NS	<5.02
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	N/A	<5.00	NS	<5.02
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	N/A	<4.61	NS	<4.63
Perfluorobutane sulfonic acid (PFBS)	N/A	<4.42	NS	**5.82**
Perfluorobutanoic acid (PFBA)	N/A	**13.2**	NS	**33.9**
Perfluorobutylsulfonamide (PFBSA)	N/A	<5.00	NS	<5.02
Perfluorodecane sulfonic acid (PFDS)	N/A	<4.82	NS	<4.84
Perfluorodecanoic acid (PFDA)	N/A	<5.00	NS	<5.02
Perfluorododecane sulfonic acid (PFDoS)	N/A	<4.84	NS	<4.86
Perfluorododecanoic acid (PFDOA)	N/A	<5.00	NS	<5.02
Perfluoroheptane sulfonic acid (PFHpS)	N/A	<4.76	NS	<4.78
Perfluoroheptanoic acid (PFHpA)	N/A	<5.00	NS	**60.5**
Perfluorohexadecanoic acid (PFHxDA)	N/A	<5.00	NS	<5.02
Perfluorohexane sulfonic acid (PFHxS)	N/A	<4.55	NS	<4.57
Perfluorohexanesulfonamide (PFHxSA)	N/A	<5.00	NS	<5.02
Perfluorohexanoic acid (PFHxA)	N/A	<5.00	NS	**89.4**
Perfluorononane sulfonic acid (PFNS)	N/A	<4.80	NS	<4.82
Perfluorononanoic acid (PFNA)	N/A	<5.00	NS	**8.91**
Perfluorooctadecanoic acid (PFODA)	N/A	<5.00	NS	<5.02
Perfluorooctane sulfonamide (PFOSAm)	N/A	<5.00	NS	<5.02
Perfluorooctane sulfonic acid (PFOS)	2.7	**5.61**	NS	**11.9**
Perfluorooctanoic acid (PFOA)	6.7	**4.08**	NS	**32.3**
Perfluoropentane sulfonic acid (PFPeS)	N/A	<4.69	NS	<4.71
Perfluoropentanoic acid (PFPeA)	N/A	<5.00	NS	**182**
Perfluorotetradecanoic acid (PFTDA)	N/A	<5.00	NS	<5.02
Perfluorotridecanoic acid (PFTrDA)	N/A	<5.00	NS	<5.02
Perfluoroundecanoic acid (PFUnDA)	N/A	<5.00	NS	<5.02

(1) Guidance values shown are from the April 2023 Guidelines for Sampling and Analysis of PFAS for industrial use
< = Analyte not detected at reporting limit shown
NS = Sample not collected
µg/L = micrograms per liter; ng/L = nanograms per liter

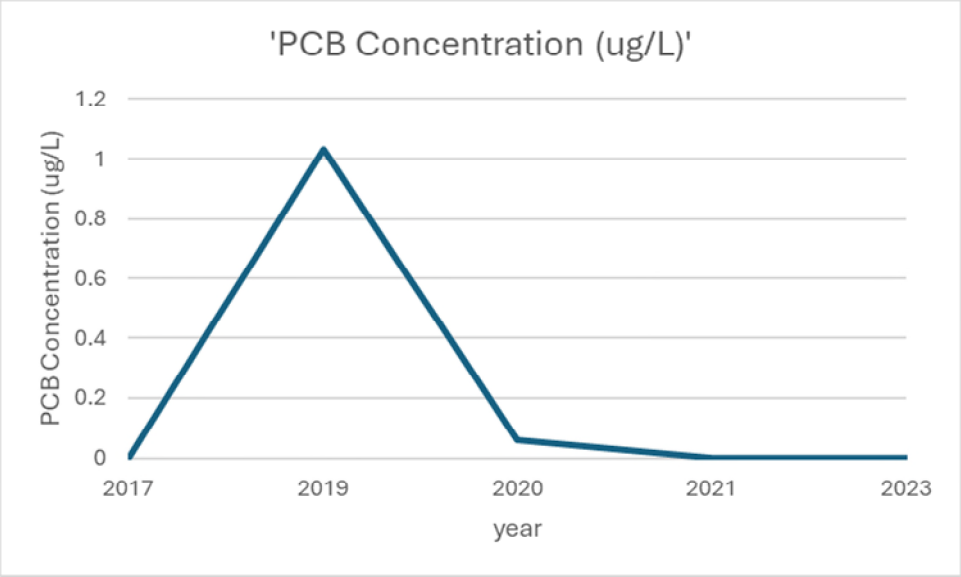
Saginaw Site (Site #915152)
Emergent Contaminant Concentrations
Trendlines

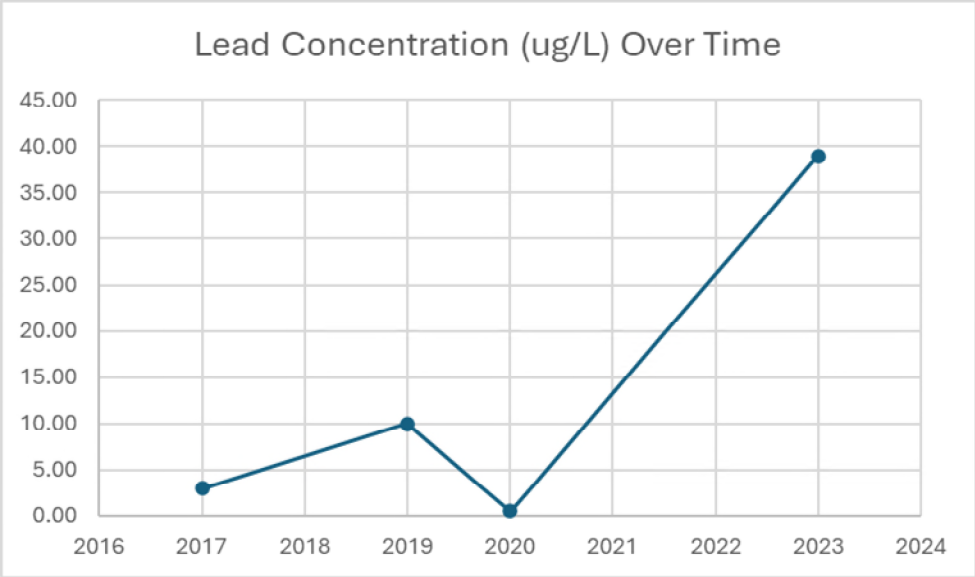






Saginaw Site (Site #915152)
Sewer Lead and PCB Contaminant Concentrations
Trendlines





GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-5	**Depth to Water (ft. BTOC): 5.88**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 11.3**
Date: 8/19/24	

Purge Details

Time Start: 0800	**Comments/Notes:**
Time Ended: 0825	
Total Purge Volume: ~1.5 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
0800	200 ml/min	6.96	17.4	18.15	1525	-130.2	0.5	6.01
0805	200 ml/min	7.01	17.2	12.24	1501	-130.5	0.3	6.20
0810	200 ml/min	7.04	17.2	12.01	1322	-141.6	0.3	6.25
0815	200 ml/min	7.04	17.0	8.03	1210	-148.2	0.2	7.37
0820	200 ml/min	7.05	17.1	3.21	1190	-150.7	0.1	7.37
0825	200 ml/min	7.05	17.1	1.01	1190	-151.3	0.1	7.38

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1045	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM	
Site: 320 Scajaquada, Buffalo, New York	
Well ID: MW-202	**Depth to Water (ft. BTOC): 4.67**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 7.71**
Date: 8/19/24	

Purge Details	
Time Start: 0900	**Comments/Notes:**
Time Ended: 0930	
Total Purge Volume: ~2.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
0900	200 ml/min	6.31	16.4	162	295.2	-92.5	2.2	5.10
0905	200 ml/min	6.50	16.4	81	281.5	-102.6	1.6	5.30
0910	200 ml/min	6.75	16.3	40	222	-109.2	1.2	5.35
0915	200 ml/min	6.84	16.0	32	182.5	-125	0.9	5.42
0920	200 ml/min	6.85	16.0	20	181	-152.3	0.8	5.68
0925	200 ml/min	6.92	15.9	15	162.3	-184.2	0.3	5.76
0930	200 ml/min	6.92	15.8	12	150.2	-191.2	0.3	5.82

Sample Details	
Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb, 1-4, Dioxane, PFAS**
Sample Time: 1205	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-203	**Depth to Water (ft. BTOC): 3.69**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 9.21**
Date: 8/19/24	

Purge Details

Time Start: 0950	**Comments/Notes:**
Time Ended: 1015	
Total Purge Volume: ~1.5 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
0950	200 ml/min	7.11	15.7	6.15	365.1	-122.6	0.8	3.71
0955	200 ml/min	7.09	15.5	6.29	372.2	-128.9	0.6	3.81
1000	200 ml/min	7.09	15.5	5.95	400.2	-136.2	0.6	3.90
1005	200 ml/min	7.08	15.2	5.25	425.3	-136.5	0.4	3.96
1010	200 ml/min	7.08	15.0	5.00	435.2	-140.8	0.2	4.01
1015	200 ml/min	7.08	15.0	5.00	436.5	-145.3	0.2	4.02

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1125	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-205	**Depth to Water (ft. BTOC): 3.05**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 6.25**
Date: 8/19/24	

Purge Details

Time Start: 1045	**Comments/Notes:**
Time Ended: 1105	
Total Purge Volume: ~1.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
1045	200 ml/min	7.20	17.5	31.20	1936	-58.3	7.2	3.59
1050	200 ml/min	7.19	17.5	18.30	2021	-68.1	3.5	4.25
1055	200 ml/min	7.20	17.4	6.21	2125	-75.3	3.0	5.34
1100	200 ml/min	7.18	17.2	2.31	2350	-92.4	2.6	5.68
1105	dry	dry	dry	dry	dry	dry	dry	dry

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1105	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-206	**Depth to Water (ft. BTOC): 6.31**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 10.10**
Date: 8/19/24	

Purge Details

Time Start: 1145	**Comments/Notes:**
Time Ended: 1220	
Total Purge Volume: ~2.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
1145	200 ml/min	6.85	16.7	161.40	596	-89.3	3.2	6.35
1155	200 ml/min	6.82	16.7	68.20	725	-89.5	1.6	6.39
1200	200 ml/min	6.72	16.7	41.25	762	-92.6	1.2	6.45
1205	200 ml/min	6.59	16.7	25.36	801	-105.3	0.8	6.68
1210	200 ml/min	6.64	16.6	28.23	815	-108.2	0.4	6.75
1215	200 ml/min	6.55	16.6	13.20	842	-110.2	0.1	6.87
1220	200 ml/min	6.53	16.5	12.10	852	-115.8	0.1	7.05

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1150	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-209	**Depth to Water (ft. BTOC): 4.05**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 5.61**
Date: 8/19/24	

Purge Details

Time Start: 1300	**Comments/Notes:**
Time Ended: 1330	
Total Purge Volume: ~1.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
1300	200 ml/min	7.26	17.2	69.50	485.1	-131.2	3.2	4.52
1305	200 ml/min	7.15	17.1	22.30	541.6	-151.3	1.7	5.20
1325	200 ml/min	7.12	16.9	9.23	763.2	-168.5	0.2	5.49
1330	dry	dry	dry	dry	dry	dry	dry	dry

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1240	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-210	**Depth to Water (ft. BTOC): 4.06**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 5.75**
Date: 8/19/24	

Purge Details

Time Start: 1400	**Comments/Notes:**
Time Ended: 1405	
Total Purge Volume: ~1.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
1400	200 ml/min	6.85	17.2	18.20	501.2	-141.6	3.2	4.25
1405	200 ml/min	6.80	17.2	14.35	485.6	-121.2	2.8	4.81
1410	200 ml/min	6.81	17.2	14.10	485.6	-118.5	2.1	4.96
1415	200 ml/min	6.8	17.1	10.21	480.2	-110.4	1.8	5.11
1420	200 ml/min	6.82	17.1	7.01	471.3	-109.6	0.9	5.25
1425	200 ml/min	6.80	17.1	1.15	462.5	-109.2	0.9	5.32

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb**
Sample Time: 1300	
Sampled By: AL	

GROUNDWATER MONITORING WELL PURGE FORM

Site: 320 Scajaquada, Buffalo, New York

Well ID: MW-211	**Depth to Water (ft. BTOC): 3.64**
NEU-VELLE Sampler: AL	**Total Depth (ft. BTOC): 8.59**
Date: 8/19/24	

Purge Details

Time Start: 1500	**Comments/Notes:**
Time Ended: 1520	
Total Purge Volume: ~1.0 Gallons	

Time	Flow	pH	Temperature	Turbidity	Conductivity	ORP	DO	DTW
1500	200 ml/min	7.20	17.2	92.1	1010	-142.3	1.1	3.60
1505	200 ml/min	7.18	17.1	30.2	925	-161.5	0.8	3.58
1510	200 ml/min	7.16	17.1	24.6	900	-185.3	0.8	3.51
1515	200 ml/min	7.16	17.0	19.5	875	-212.2	0.4	3.51
1520	200 ml/min	7.16	16.8	11.2	832	-210.5	0.3	3.50

Sample Details

Sample Date: 8/20/24	**Analysis: PCBs, Total Pb, Total Soluble Pb, 1-4, Dioxane, PFAS**
Sample Time: 1030	
Sampled By: AL	

Appendix B

NEU-VELLE LLC

Annual Site Wide Inspection Forms and Photographs

ANNUAL INSPECTION FORM

Inspection Date: 8/20/24
Inspected By: Albert G. Lyons, Jr. (NEU-VELLE LLC)

PAVEMENT (Identify any damaged areas on site sketch)

1. Cracked Areas — Yes _____ — No __x____
2. Settled Areas — Yes _____ — No __x____
3. Potholes — Yes _____ — No __x____
4. Heaving — Yes _____ — No __x____
5. Plow Damage — Yes _____ — No __x____
6. Drainage — Good__x____ — Poor _____

Explain:

7. Condition of Surface Sealing — Good__x____ — Poor _____

Explain: Surface is in good shape. No deep fissures in sealant. Photos collected.

STORM SEWERS

1. Condition of Manhole Risers — Good ___x_____ Poor _____

Explain:

2. Sediment in Main — None ___x_____ Avg (1-4") _____ Avg (>4") _____

Comments: No sediment visible in MH#2. No Flow.

MONITORING WELLS

	MW-5	MW-202	MW-203	MW-204	MW-205	MW-206	MW-208	MW-209	MW-210	MW-211
Is protective casing in good condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is flush mount casing in good condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Are casing labeled?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is concrete surface seal in good condition?	Yes	Yes	Yes	Yes	Yes	**No**	Yes	Yes	Yes	Yes
Is protected pad in good condition?	Yes	Yes	Yes	Yes	Yes	**No**	Yes	Yes	Yes	Yes
Are locks present?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Are lock in good condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Is riser in good condition?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Are J-plugs present?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

Comments:

MW-206 will be repaired during next reporting period.
MW-204 and MW-201 will be decommissioned during next reporting period

Appendix A – Annual Inspection Photolog

Annual Inspection 2023-2024 PRR	**Photo Date:** August 2024	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 1		
Direction Photo Taken: Looking North		
Description: Typical. Pavement in good condition.		
Annual Inspection 2023-2024 PRR	**Photo Date:** August 2024	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 2		
Direction Photo Taken: Looking southwest.		
Description: Typical. Pavement in good condition.		

Appendix A – Annual Inspection Photolog

Annual Inspection 2023-2024 PRR	**Photo Date:** August 2024	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 1		
Direction Photo Taken: Looking east		
Description: Typical. Pavement in good condition.		
Annual Inspection 2023-2024PRR	**Photo Date:** August 2024	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 2		
Direction Photo Taken: Looking south.		
Description: Typical. Pavement in good condition.		

Appendix A – Annual Inspection Photolog

Annual Inspection 2023-2024 PRR	**Photo Date:** August 2024	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 1 **Direction Photo Taken:** Looking west **Description:** Typical. Pavement in good condition.		
Annual Inspection 2024-2025 PRR	**Photo Date:** August 2025	**Project:** Saginaw – Buffalo Site Site No. 915152
Photo No. 2 **Direction Photo Taken:** Looking north. **Description:** Typical. Pavement in good condition.		

Appendix C

NEU-VELLE LLC

Laboratory Report

September 10, 2024 Service Request No:R2407957

Al Lyons
Neu-Velle LLC
10 Jones Avenue
Rochester, NY 14608

Laboratory Results for: 320 Scajaquada

Dear Al,

Enclosed are the results of the sample(s) submitted to our laboratory August 21, 2024
For your reference, these analyses have been assigned our service request number **R2407957.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Neu-Velle LLC
Project: 320 Scajaquada
Sample Matrix: Water

Service Request: R2407957
Date Received: 08/21/2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Seventeen water samples were received for analysis at ALS Environmental on 08/21/2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Semivolatiles by GC/MS:

No significant anomalies were noted with this analysis.

Semivoa GC:

Method 8082A: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV) on one detector. All recoveries were acceptable on the secondary detector. Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Method 8082A, 852324: The sample was diluted to elevate the reporting limit above the presence of non-target background components indicated on the chromatogram. The matrix interference prevented adequate resolution of one or more target compound(s) at the reporting limit. Samples -009 and -015.

Method 8082A, 08/28/2024: The control limit was exceeded for one or more surrogates in the Continuing Calibration Verification (CCV). The surrogates were within acceptance limits for the associated field samples. The data quality was not significantly affected and no further corrective action was taken.

Method 8082A, 852324s: The control limits were exceeded for one or more surrogates due to matrix interferences. Due to the presence of non-target background components that prevented adequate resolution of the surrogate, accurate quantitation was not possible. No further corrective action was appropriate. Samples -009, -011, and -015.

Metals:

When analyzed without dilution, the concentration of one or more elements in one or more samples exceeded the associated single element interference check concentration. As per section 9.9.1 of EPA 6010D, affected samples were diluted to reduce the solution concentration of the high concentration element below the interference check concentration, whether or not the high concentration element was an analyte of interest. The dilution has increased the reporting limits accordingly.

Subcontracted Analytical Parameters:

No significant anomalies were noted with this analysis.

Approved by _____ Date 09/10/2024

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-211			Lab ID: R2407957-013			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1,4-Dioxane	3.3			0.20	ug/L	8270D SIM

CLIENT ID: MW-210			Lab ID: R2407957-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Lead, Total	470			250	ug/L	6010D

CLIENT ID: MW-209			Lab ID: R2407957-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Lead, Total	2750			250	ug/L	6010D

CLIENT ID: MW-206			Lab ID: R2407957-011			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Lead, Total	3260			250	ug/L	6010D

CLIENT ID: MW-202			Lab ID: R2407957-015			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Lead, Total	384			50	ug/L	6010D

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Neu-Velle LLC **Service Request:**R2407957
Project: 320 Scajaquada

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2407957-001	MW-5	8/20/2024	1045
R2407957-002	MW-5 Diss	8/20/2024	1045
R2407957-003	MW-205	8/20/2024	1105
R2407957-004	MW-205 Diss	8/20/2024	1105
R2407957-005	MW-203	8/20/2024	1125
R2407957-006	MW-203 Diss	8/20/2024	1125
R2407957-007	MW-210	8/20/2024	1300
R2407957-008	MW-210 Diss	8/20/2024	1300
R2407957-009	MW-209	8/20/2024	1240
R2407957-010	MW-209 Diss	8/20/2024	1240
R2407957-011	MW-206	8/20/2024	1150
R2407957-012	MW-206 Diss	8/20/2024	1150
R2407957-013	MW-211	8/20/2024	1030
R2407957-014	MW-211 Diss	8/20/2024	1030
R2407957-015	MW-202	8/20/2024	1205
R2407957-016	MW-202 Diss	8/20/2024	1205

Chain of Custody / Analytical Request Form

1565 Jefferson Road, Building 300, Suite 360 ● Rochester, NY 14623 ● +1 585 288 5380 ● alsglobal.com

SR#:

Page 1 of 1

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: NEU-VELLE LLC	Project Name: 320 Scajaquada
Contact: AL LYONS	Project Number:
Email: AL@NEU-VELLE.COM	ALS Quote #:
585-313-9683	Sampler's Signature:
Address: 10 JONES AVENUE	Email CC:
ROCHESTER, NEW YORK 14608	Email CC:
	State Samples Collected (Circle or Write): NY, MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	Total PCB's	Total Lead	Toatal Soluble Lead	1-4 Dioxane	PFAS	Notes:
	MW-5			GW	4		x	x	x			
	MW-205			GW	4		x	x	x			
	MW-203			GW	4		x	x	x			
	MW-210			GW	4		x	x	x			
	MW-209			GW	4		x	x	x			
	MW-206			GW	4		x	x	x			
	[redacted]			[redacted]								
	MW-211			GW	8		x	x	x	x	x	
	MW-202			GW	8		x	x	x	x	x	
	[redacted]			[redacted]								

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
X Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type:

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other:_____

Invoice To: (□ Same as Report To)

PO #:

Company:

Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Al Lyons	Smith				
Company	Neu-Velle	ALS				
Date/Time	8/21/24 945	8/21/24 945				

R2407957 5
Neu-Velle LLC
320 Scajaquada

Chain of Custody / Analytical Request Form

SR#:

Page 1 of 1

1565 Jefferson Road, Building 300, Suite 360 ● Rochester, NY 14623 ● +1 585 288 5380 ● alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: NEU-VELLE LLC	Project Name: 320 Scajaquada
Contact: AL LYONS	Project Number:
Email: AL@NEU-VELLE.COM	ALS Quote #:
585-313-9683	Sampler's Signature:
Address: 10 JONES AVENUE	Email CC:
ROCHESTER, NEW YORK 14608	Email CC:
	State Samples Collected (Circle or Write): NY, MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW, WW, SW, DW, S, L, NA)	Number of Containers	MS/MSD?	Total PCB's	Total Lead	Toatal/Soluble Lead	1-4 Dioxane	PFAS	Notes:
	MW-5	8/20/24	1045	GW	4		x	x	x			
	MW-205	8/20/24	1105	GW	4		x	x	x			
	MW-203	8/20/24	1125	GW	4		x	x	x			
	MW-210	8/20/24	1300	GW	4		x	x	x			
	MW-209	8/21/24	1240	GW	4		x	x	x			
	MW-206	8/21/24	1150	GW	4		x	x	x			
	[redacted]											
	MW-211	8/21/24	1030	GW	8		x	x	x	x	x	
	MW-202	8/21/24	1205	GW	8		x	x	x	x	x	
	[redacted]											

Special Instructions / Comments:

Turnaround Requirements

Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

___ Tier II/Cat A - Results/QC
X Tier IV/Cat B - Data Validation Report w/ Data
EDD: X Yes ___ No
EDD Type:

Metals: RCRA 8●PP 13●TAL 23●TCLP●Other (List)

VOA/SVOA Report List: TCL ● BTEX ● TCLP ● CP-51/Stars ●THM ● Other: _____

Invoice To: (☐ Same as Report To)

PO #:
Company:
Contact:
Email:
Phone:
Address:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	[signature]	[signature]				
Printed Name	AL Lyons	SIMMS				
Company	neu-velle	ALS				
Date/Time	8/21/24 945	8/21/24 945				

(1)

R2407957 5
Neu-Velle LLC
320 Scajaqueda

Cooler Receipt and Preservation Check Form

Project/Client Neu-Velle Folder Number ______

Cooler received on 8/21/24 by: SES COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	Did **VOA** vials have sig* **bubbles?**		Y (N) NA
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Sig* bubbles: **Alk?** Y N (NA)	**Sulfide?**	Y N (NA)
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	(ALS/ROC)	CLIENT
4	Circle: (**Wet Ice**) **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set		(NA)

8. Temperature Readings Date: 8/21/24 Time: 1000 ID: IR#12 (IR#11) From: Temp Blank (Sample Bottle)

Temp (°C)	17.9	15.6					
Within 0-6°C?	Y (N)	Y (N)	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: ______ Ice melted (Poorly Packed) (described below) Same Day Rule

&Client Approval to Run Samples: ______ Standing Approval Client aware at drop-off Client notified by: ______

All samples held in storage location: SMO by SES on 8/21/24 at 1002
5035 samples placed in storage location: ______ by ______ on ______ at ______ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 8/21/24 Time: 1353 by: RJH

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	204524	HNO_3	✓		2134014	1/26				
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: C52923-2AE/1C52223-1GJ/C60822-2ER6

Explain all Discrepancies/ Other Comments:

only ice on top of samples

* Did not label bottles only label plastic bag with Sample ID

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: RJH

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r21.doc 05/17/2024

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory. To verify NH accredited analytes, go to https://www4.des.state.nh.us/CertifiedLabs/Certified-Method.aspx.

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Neu-Velle LLC **Service Request:** R2407957
Project: 320 Scajaquada/

Sample Name: MW-5 **Date Collected:** 08/20/24
Lab Code: R2407957-001 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-5 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-002 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Sample Name: MW-205 **Date Collected:** 08/20/24
Lab Code: R2407957-003 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-205 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-004 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Client: Neu-Velle LLC **Service Request:** R2407957
Project: 320 Scajaquada/

Sample Name: MW-203 **Date Collected:** 08/20/24
Lab Code: R2407957-005 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-203 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-006 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Sample Name: MW-210 **Date Collected:** 08/20/24
Lab Code: R2407957-007 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-210 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-008 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Client: Neu-Velle LLC **Service Request:** R2407957
Project: 320 Scajaquada/

Sample Name: MW-209 **Date Collected:** 08/20/24
Lab Code: R2407957-009 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-209 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-010 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Sample Name: MW-206 **Date Collected:** 08/20/24
Lab Code: R2407957-011 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER

Sample Name: MW-206 Diss **Date Collected:** 08/20/24
Lab Code: R2407957-012 **Date Received:** 08/21/24
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Client: Neu-Velle LLC
Project: 320 Scajaquada/
Service Request: R2407957

Sample Name: MW-211
Lab Code: R2407957-013
Sample Matrix: Water
Date Collected: 08/20/24
Date Received: 08/21/24

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER
8270D SIM	KPROCOPIO	KPROCOPIO

Sample Name: MW-211 Diss
Lab Code: R2407957-014
Sample Matrix: Water
Date Collected: 08/20/24
Date Received: 08/21/24

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

Sample Name: MW-202
Lab Code: R2407957-015
Sample Matrix: Water
Date Collected: 08/20/24
Date Received: 08/21/24

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN
8082A	JVANHEYNINGEN	AFELSER
8270D SIM	KPROCOPIO	KPROCOPIO

Sample Name: MW-202 Diss
Lab Code: R2407957-016
Sample Matrix: Water
Date Collected: 08/20/24
Date Received: 08/21/24

Analysis Method	Extracted/Digested By	Analyzed By
6010D	CDISTEFANO	NMANSEN

PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

INORGANIC

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C or 6010D	3005A/3010A
6020A or 6020B	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-N-2016 Amenable and Residual Cyanide	SM 4500-CN-G and SM 4500-CN-B,C-2016
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C or 6010D	3050B
6020A or 6020B	3050B
6010C or 6010D TCLP (1311) extract	3005A/3010A
6010C or 6010D SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

ORGANIC

Preparation Methods for Organic methods are listed in the header of the Results pages.

Regarding "Bulk/5035A":
For soil/solid samples submitted in soil jars for Volatiles analysis, the prep method is listed as "Bulk/5035A". The lab follows the closed-system EPA 5035A protocols once the sample is transferred to a sealed vial, but collection in bulk in soil jars does not follow the collection protocols listed in EPA 5035A. In accordance with the NYSDOH technical notice of October 2012, all results or reporting limits <200 ug/kg are to be considered estimated due to potential low bias.

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Semivolatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:30
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-211	**Units:**	ug/L
Lab Code:	R2407957-013	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	**3.3**	0.20	1	08/27/24 19:56	8/27/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	99	64 - 124	08/27/24 19:56	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-202	**Units:**	ug/L
Lab Code:	R2407957-015	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.20 U	0.20	1	08/27/24 20:16	8/27/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	108	64 - 124	08/27/24 20:16	

Semivolatile Organic Compounds by GC

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:45
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2407957-001	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 14:46	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 14:46	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 14:46	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 14:46	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 14:46	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 14:46	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 14:46	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	39	10 - 118	08/28/24 14:46	
Tetrachloro-m-xylene	79	10 - 103	08/28/24 14:46	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-205	**Units:**	ug/L
Lab Code:	R2407957-003	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 15:00	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 15:00	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 15:00	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 15:00	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 15:00	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 15:00	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 15:00	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	22	10 - 118	08/28/24 15:00	
Tetrachloro-m-xylene	69	10 - 103	08/28/24 15:00	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:25
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-203	**Units:**	ug/L
Lab Code:	R2407957-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 15:14	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 15:14	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 15:14	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 15:14	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 15:14	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 15:14	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 15:14	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	52	10 - 118	08/28/24 15:14	
Tetrachloro-m-xylene	75	10 - 103	08/28/24 15:14	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 13:00
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-210	**Units:**	ug/L
Lab Code:	R2407957-007	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 15:27	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 15:27	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 15:27	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 15:27	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 15:27	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 15:27	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 15:27	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	17	10 - 118	08/28/24 15:27	
Tetrachloro-m-xylene	70	10 - 103	08/28/24 15:27	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:40
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-209	**Units:**	ug/L
Lab Code:	R2407957-009	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.3 U	9.3	10	08/28/24 17:42	8/24/24	
Aroclor 1221	19 U	19	10	08/28/24 17:42	8/24/24	
Aroclor 1232	9.3 U	9.3	10	08/28/24 17:42	8/24/24	
Aroclor 1242	9.3 U	9.3	10	08/28/24 17:42	8/24/24	
Aroclor 1248	9.3 U	9.3	10	08/28/24 17:42	8/24/24	
Aroclor 1254	9.3 U	9.3	10	08/28/24 17:42	8/24/24	
Aroclor 1260	9.3 U	9.3	10	08/28/24 17:42	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	2436 *	10 - 118	08/28/24 17:42	*
Tetrachloro-m-xylene	31	10 - 103	08/28/24 17:42	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:50
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-206	**Units:**	ug/L
Lab Code:	R2407957-011	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 18:09	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 18:09	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 18:09	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 18:09	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 18:09	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 18:09	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 18:09	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	531 *	10 - 118	08/28/24 18:09	*
Tetrachloro-m-xylene	34	10 - 103	08/28/24 18:09	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:30
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-211	**Units:**	ug/L
Lab Code:	R2407957-013	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.93 U	0.93	1	08/28/24 15:41	8/24/24	
Aroclor 1221	1.9 U	1.9	1	08/28/24 15:41	8/24/24	
Aroclor 1232	0.93 U	0.93	1	08/28/24 15:41	8/24/24	
Aroclor 1242	0.93 U	0.93	1	08/28/24 15:41	8/24/24	
Aroclor 1248	0.93 U	0.93	1	08/28/24 15:41	8/24/24	
Aroclor 1254	0.93 U	0.93	1	08/28/24 15:41	8/24/24	
Aroclor 1260	0.93 U	0.93	1	08/28/24 15:41	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	34	10 - 118	08/28/24 15:41	
Tetrachloro-m-xylene	54	10 - 103	08/28/24 15:41	

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-202	**Units:**	ug/L
Lab Code:	R2407957-015	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.3 U	9.3	10	08/28/24 17:56	8/24/24	
Aroclor 1221	19 U	19	10	08/28/24 17:56	8/24/24	
Aroclor 1232	9.3 U	9.3	10	08/28/24 17:56	8/24/24	
Aroclor 1242	9.3 U	9.3	10	08/28/24 17:56	8/24/24	
Aroclor 1248	9.3 U	9.3	10	08/28/24 17:56	8/24/24	
Aroclor 1254	9.3 U	9.3	10	08/28/24 17:56	8/24/24	
Aroclor 1260	9.3 U	9.3	10	08/28/24 17:56	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	2256 *	10 - 118	08/28/24 17:56	*
Tetrachloro-m-xylene	43	10 - 103	08/28/24 17:56	

Metals

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:45
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-5	**Basis:**	NA
Lab Code:	R2407957-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	50 U	ug/L	50	1	08/28/24 00:00	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:45
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-5 Diss	**Basis:**	NA
Lab Code:	R2407957-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:03	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-205	**Basis:**	NA
Lab Code:	R2407957-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	50 U	ug/L	50	1	08/28/24 00:06	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-205 Diss	**Basis:**	NA
Lab Code:	R2407957-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:10	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:25
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-203	**Basis:**	NA
Lab Code:	R2407957-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	50 U	ug/L	50	1	08/28/24 00:13	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:25
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-203 Diss	**Basis:**	NA
Lab Code:	R2407957-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:16	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 13:00
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-210	**Basis:**	NA
Lab Code:	R2407957-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	**470**	ug/L	250	5	08/28/24 01:21	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 13:00
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-210 Diss	**Basis:**	NA
Lab Code:	R2407957-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:29	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:40
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-209	**Basis:**	NA
Lab Code:	R2407957-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	**2750**	ug/L	250	5	08/28/24 01:24	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:40
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-209 Diss	**Basis:**	NA
Lab Code:	R2407957-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:36	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:50
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-206	**Basis:**	NA
Lab Code:	R2407957-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	**3260**	ug/L	250	5	08/28/24 01:28	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 11:50
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-206 Diss	**Basis:**	NA
Lab Code:	R2407957-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:42	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:30
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-211	**Basis:**	NA
Lab Code:	R2407957-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	50 U	ug/L	50	1	08/28/24 00:45	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 10:30
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-211 Diss	**Basis:**	NA
Lab Code:	R2407957-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:49	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-202	**Basis:**	NA
Lab Code:	R2407957-015		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Total	6010D	**384**	ug/L	50	1	08/28/24 00:52	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	08/20/24 12:05
Sample Matrix:	Water	**Date Received:**	08/21/24 09:45
Sample Name:	MW-202 Diss	**Basis:**	NA
Lab Code:	R2407957-016		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/28/24 00:55	08/26/24	

QC Summary Forms

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Semivolatile Organic Compounds by GC/MS

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1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Neu-Velle LLC **Service Request:** R2407957
Project: 320 Scajaquada
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Extraction Method: EPA 3535A

Sample Name	Lab Code	Tetrahydrofuran-d8 (SUR) 64 - 124
MW-211	R2407957-013	99
MW-202	R2407957-015	108
Method Blank	RQ2410565-01	105
Lab Control Sample	RQ2410565-02	109
Duplicate Lab Control Sample	RQ2410565-03	102

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2410565-01	**Basis:**	NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	0.040 U	0.040	1	08/27/24 18:37	8/27/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Tetrahydrofuran-d8 (SUR)	105	64 - 124	08/27/24 18:37	

Client: Neu-Velle LLC
Project: 320 Scajaquada
Sample Matrix: Water

Service Request: R2407957
Date Analyzed: 08/27/24

Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Units:ug/L
Basis:NA

		Lab Control Sample			Duplicate Lab Control Sample					
		RQ2410565-02			RQ2410565-03					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	8270D SIM	9.04	9.83	92	9.02	9.83	92	58-124	<1	30

Semivolatile Organic Compounds by GC

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Client: Neu-Velle LLC **Service Request:** R2407957
Project: 320 Scajaquada
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl 10 - 118	Tetrachloro-m-xylene 10 - 103
MW-5	R2407957-001	39	79
MW-205	R2407957-003	22 P	69
MW-203	R2407957-005	52	75
MW-210	R2407957-007	17	70
MW-209	R2407957-009	2436 P *	31
MW-206	R2407957-011	531 P *	34
MW-211	R2407957-013	34	54
MW-202	R2407957-015	2256 P *	43
Method Blank	RQ2410378-01	50	62
Lab Control Sample	RQ2410378-04	53	74
Duplicate Lab Control Sample	RQ2410378-05	47	75

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2410378-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	1.0 U	1.0	1	08/28/24 11:50	8/24/24	
Aroclor 1221	2.0 U	2.0	1	08/28/24 11:50	8/24/24	
Aroclor 1232	1.0 U	1.0	1	08/28/24 11:50	8/24/24	
Aroclor 1242	1.0 U	1.0	1	08/28/24 11:50	8/24/24	
Aroclor 1248	1.0 U	1.0	1	08/28/24 11:50	8/24/24	
Aroclor 1254	1.0 U	1.0	1	08/28/24 11:50	8/24/24	
Aroclor 1260	1.0 U	1.0	1	08/28/24 11:50	8/24/24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10 - 118	08/28/24 11:50	
Tetrachloro-m-xylene	62	10 - 103	08/28/24 11:50	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Neu-Velle LLC
Project: 320 Scajaquada
Sample Matrix: Water

Service Request: R2407957
Date Analyzed: 08/28/24

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Units:ug/L
Basis:NA

			Lab Control Sample RQ2410378-04			Duplicate Lab Control Sample RQ2410378-05				
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	8082A	4.24	4.00	106	4.29	4.00	107	35-131	1	30
Aroclor 1260	8082A	3.84	4.00	96	3.83	4.00	96	37-141	<1	30

Confirmation Results

Client: Neu-Velle LLC
Project: 320 Scajaquada
Matrix: Water

Service Request: R2407957
Date Collected: NA
Date Received:

Sample Name: Lab Control Sample
Lab Code: RQ2410378-04

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	1.0	4.24	4.42	4		1	08/28/24 12:04
Aroclor 1260	1.0	3.84	3.92	2		1	08/28/24 12:04

Confirmation Results

Client: Neu-Velle LLC
Project: 320 Scajaquada
Matrix: Water

Service Request: R2407957
Date Collected: NA
Date Received:

Sample Name: Duplicate Lab Control Sample
Lab Code: RQ2410378-05

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

Analyte Name	MRL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Aroclor 1016	1.0	4.29	4.36	2		1	08/28/24 12:17
Aroclor 1260	1.0	3.83	3.83	<1		1	08/28/24 12:17

Metals

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Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2407957-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/27/24 23:47	08/26/24	
Lead, Total	6010D	50 U	ug/L	50	1	08/27/24 23:47	08/26/24	

Analytical Report

Client:	Neu-Velle LLC	**Service Request:**	R2407957
Project:	320 Scajaquada	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2407957-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	Dil.	Date Analyzed	Date Extracted	Q
Lead, Dissolved	6010D	50 U	ug/L	50	1	08/27/24 23:50	08/26/24	

Client: Neu-Velle LLC
Project: 320 Scajaquada
Sample Matrix: Water

Service Request: R2407957
Date Analyzed: 08/27/24

Duplicate Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

			Lab Control Sample		Duplicate Lab Control Sample					
			R2407957-LCS		R2407957-DLCS					
Analyte Name	**Analytical Method**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Lead, Dissolved	6010D	519	500	104	515	500	103	80-120	<1	20
Lead, Total	6010D	519	500	104	515	500	103	80-120	<1	20

Subcontracted Analytical Parameters

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right solutions.
right partner.

September 06, 2024

Meghan Pedro
ALS Environmental
1565 Jefferson Rd
Bldg 300
Rochester, NY 14623

Work Order: **HN2405634**

Re: **R2407957**

Dear Meghan,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates to the samples received by ALS Environmental and for the analysis requested.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:
ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Chelsey Cook
/S/ CHELSEY COOK

Project Manager

Narrative Documents

Client: ALS Environmental **Work Order:** HN2405634
Project: R2407957 **Date Received:** 23-Aug-2024

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt

3 water samples were received for analysis at ALS Environmental on 23-Aug-2024. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Organics

EPA 537 Mod-W

Batch ID: 2537812

HN2405634-001: d5-N-EtFOSA - One or more surrogate recoveries were below the lower control limits. The sample results may be biased low.
HN2405634-001: d3-N-MeFOSA - One or more surrogate recoveries were below the lower control limits. The sample results may be biased low.
HN2405634-001: 13C2-FtS 6:2 - Surrogate high due to matrix interference.

HN2405634-001: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
HN2405634-001: 13C2-FtS 8:2 - Surrogate high due to matrix interference.

HN2405634-001: 13C2-PFHxDA - The RPD between the LCS and LCSD was outside of the control limit. The sample results should be considered estimated for this analyte:
HN2405634-002: 13C2-FtS 4:2 - One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed.
HN2405634-002: 13C2-PFHxDA - The RPD between the LCS and LCSD was outside of the control limit. The sample results should be considered estimated for this analyte:
HN2405634-003: 13C2-PFHxDA - The RPD between the LCS and LCSD was outside of the control limit. The sample results should be considered estimated for this analyte:

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting limits.

For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-211			Lab ID: HN2405634-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.5		1.13	4.81	ng/L	EPA 537Mod
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	73.1		1.93	4.74	ng/L	EPA 537Mod
Perfluorobutane sulfonic acid (PFBS)	5.82		0.352	4.44	ng/L	EPA 537Mod
Perfluorobutanoic acid (PFBA)	33.9		2.61	5.02	ng/L	EPA 537Mod
Perfluoroheptanoic acid (PFHpA)	60.5		1.74	5.02	ng/L	EPA 537Mod
Perfluorohexanoic acid (PFHxA)	89.4		1.20	5.02	ng/L	EPA 537Mod
Perfluorononanoic acid (PFNA)	8.91		0.874	5.02	ng/L	EPA 537Mod
Perfluorooctane sulfonic acid (PFOS)	11.9		0.896	1.86	ng/L	EPA 537Mod
Perfluorooctanoic acid (PFOA)	32.3		0.633	2.01	ng/L	EPA 537Mod
Perfluoropentanoic acid (PFPeA)	182		1.28	5.02	ng/L	EPA 537Mod

CLIENT ID: MW-202			Lab ID: HN2405634-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutanoic acid (PFBA)	13.2		2.60	5.00	ng/L	EPA 537Mod
Perfluorooctane sulfonic acid (PFOS)	5.61		0.892	1.86	ng/L	EPA 537Mod
Perfluorooctanoic acid (PFOA)	4.08		0.630	2.00	ng/L	EPA 537Mod

Sample Receipt Information

SAMPLE SUMMARY

Client: ALS Environmental
Project: R2407957
Workorder: HN2405634

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2405634-001	MW-211	WATER	08/20/24 10:30	08/23/24 09:30
HN2405634-002	MW-202	WATER	08/20/24 12:05	08/23/24 09:30
HN2405634-003	Field Blank	WATER	08/20/24	08/23/24 09:30

ALS Environmental Chain of Custody

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Project Number: R2407957
Project Manager: Meghan Pedro
QAP: LAB QAP

ALS Contact: Meghan Pedro

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	PFAS-DW_537.1 537.1
R2407957-013	MW-211	2	Water	8/20/24	1030	Holland ALS	X
R2407957-015	MW-202	2	Water	8/20/24	1205	Holland ALS	X
R2407957-017	Field Blank	1	Water	8/20/24		Holland ALS	X

nvironmental Division
olland
Work Order Reference
HN2405634

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Special Instructions/Comments

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements

_____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

X **STANDARD**

Requested FAX Date: _____

Requested Report Date: 09/06/24

Report Requirements

____ I. Results Only

X II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J N

EDD N

Invoice Information

PO# 58R2407957

Bill to

Relinquished By: 8/22/24 1400 Received By: 8/23/24

Airbill Number:

ALS Holland Sample Receiving Checklist

Received by:	Hunter Buto
Date/Time:	8/28/24 930
Carrier Name:	FedEx
Shipping container/cooler in good condition?	(Yes) / No / Not Present
Custody seals intact on shipping container/cooler?	Yes / No / (Not Present)
Custody seals intact on sample bottles?	Yes / No / (Not Present)
Chain of Custody present?	(Yes) / No
COC signed when relinquished and received?	(Yes) / No
COC agrees with sample labels?	(Yes) / No
Samples in proper container/bottle?	(Yes) / No
Sample containers intact?	(Yes) / No
Sufficient sample volume for indicated test?	(Yes) / No
All samples received within holding time?	(Yes) / No
Container/Temp Blank temperature in compliance?	(Yes) / No
Temperature(s) (°C):	4.7/4.7
Thermometer(s):	DF2
Sample(s) received on ice?	(Yes) / No
Matrix/Matrices:	Water
Cooler(s)/Kit(s):	—
Date/Time sample(s) sent to storage:	8/29/24 911
Water – VOA vials have zero headspace?	Yes / No / (No Vials)
Water – pH acceptable upon receipt?	Yes / No / (N/A)
pH strip lot #: _____	< 2 _____ > 12 _____ Other _____
pH adjusted (note adjustments below)?	Yes / No / (N/A)
pH adjusted by:	—
Login Notes:	

Miscellaneous Forms

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
NC	Not Calculated
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications[1]

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	1/1/2024	12/31/2024
Colorado	UST		6/21/2024	6/30/2025
Connecticut	Drinking Water (Secondary)	PH-0155	1/23/2023	12/31/2024
Florida	NELAP (Primary)	E871106	7/1/2024	6/30/2025
Illinois	NELAP (Secondary)	200076	12/14/2023	12/31/2024
Indiana	Drinking Water (Secondary)	C-MI-08	4/4/2024	9/4/2026
Iowa	State Specific	403	9/18/2023	9/1/2025
Kansas	NELAP (Secondary)	E-10411	7/09/2024	7/31/2025
Kentucky	Waste Water	KY98004	12/5/2023	12/31/2024
Kentucky	UST	120474	6/24/24	6/30/2025
Michigan	Drinking Water (Primary)	0022	12/19/2023	9/4/2026
Minnesota	NELAP (Secondary)	026-999-449	12/29/2023	12/31/2024
New Jersey	NELAP (Secondary)	MI015	7/1/2024	6/30/2025
New York	Drinking Water (Secondary)	12128	3/29/2024	4/1/2025
North Dakota	State Specific	R-192	9/12/2023	6/30/2024
Ohio	Drinking Water (Secondary)	87783	7/1/2024	6/30/2025
Pennsylvania	NELAP (Secondary)	68-03827	6/14/2024	7/31/2025
Texas	NELAP (Secondary)	T104704494	2/1/2024	1/31/2025
USDA	Domestic CA	Soil-MI-007	8/21/2023	2/18/2025
USDA	Soil Import	P330-19-00039	3/3/2023	3/3/2026
West Virginia	State Specific	355	6/24/2024	8/31/2025
Wisconsin	State Specific	399084510	8/11/2023	8/31/2024

1 - Scope available upon request

ANALYST SUMMARY

Client:	ALS Environmental	**Work Order:**	HN2405634
Project:	R2407957		

Sample Name:	MW-211	**Date Collected:**	08/20/24
Laboratory Code:	HN2405634-001	**Date Received:**	08/23/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 537Mod	1625402	Clayton Rzepka	2537812	Morgan Morehouse

Sample Name:	MW-202	**Date Collected:**	08/20/24
Laboratory Code:	HN2405634-002	**Date Received:**	08/23/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 537Mod	1625402	Clayton Rzepka	2537812	Morgan Morehouse

Sample Name:	Field Blank	**Date Collected:**	08/20/24
Laboratory Code:	HN2405634-003	**Date Received:**	08/23/24
Sample Matrix:	WATER		

Analysis Method	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 537Mod	1625402	Clayton Rzepka	2537812	Morgan Morehouse

Sample Results

Organics

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 10:30
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-211	**Units:**	ng/L
Lab Code:	HN2405634-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	<4.73 U	4.73	1	09/03/24 23:22	8/30/24	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	**16.5**	4.81	1	09/03/24 23:22	8/30/24	
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	<4.84 U	4.84	1	09/03/24 23:22	8/30/24	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	<4.69 U	4.69	1	09/03/24 23:22	8/30/24	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	**73.1**	4.74	1	09/03/24 23:22	8/30/24	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	<4.73 U	4.73	1	09/03/24 23:22	8/30/24	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	<4.68 U	4.68	1	09/03/24 23:22	8/30/24	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Methylperfluorooctane sulfonamide (MeFOSA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	<4.63 U	4.63	1	09/03/24 23:22	8/30/24	
Perfluorobutane sulfonic acid (PFBS)	**5.82**	4.44	1	09/03/24 23:22	8/30/24	
Perfluorobutanoic acid (PFBA)	**33.9**	5.02	1	09/03/24 23:22	8/30/24	
Perfluorobutylsulfonamide (PFBSA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorodecane sulfonic acid (PFDS)	<4.84 U	4.84	1	09/03/24 23:22	8/30/24	
Perfluorodecanoic acid (PFDA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorododecane sulfonic acid (PFDoS)	<4.86 U	4.86	1	09/03/24 23:22	8/30/24	
Perfluorododecanoic acid (PFDOA)	<5.02 U	5.02	1	09/03/24 23:22	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 10:30
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-211	**Units:**	ng/L
Lab Code:	HN2405634-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroheptane sulfonic acid (PFHpS)	<4.78	U	4.78	1	09/03/24 23:22	8/30/24	
Perfluoroheptanoic acid (PFHpA)	**60.5**		5.02	1	09/03/24 23:22	8/30/24	
Perfluorohexadecanoic acid (PFHxDA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorohexane sulfonic acid (PFHxS)	<4.57	U	4.57	1	09/03/24 23:22	8/30/24	
Perfluorohexanesulfonamide (PFHxSA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorohexanoic acid (PFHxA)	**89.4**		5.02	1	09/03/24 23:22	8/30/24	
Perfluorononane sulfonic acid (PFNS)	<4.82	U	4.82	1	09/03/24 23:22	8/30/24	
Perfluorononanoic acid (PFNA)	**8.91**		5.02	1	09/03/24 23:22	8/30/24	
Perfluorooctadecanoic acid (PFODA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorooctane sulfonamide (PFOSAm)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorooctane sulfonic acid (PFOS)	**11.9**		1.86	1	09/03/24 23:22	8/30/24	
Perfluorooctanoic acid (PFOA)	**32.3**		2.01	1	09/03/24 23:22	8/30/24	
Perfluoropentane sulfonic acid (PFPeS)	<4.71	U	4.71	1	09/03/24 23:22	8/30/24	
Perfluoropentanoic acid (PFPeA)	**182**		5.02	1	09/03/24 23:22	8/30/24	
Perfluorotetradecanoic acid (PFTDA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluorotridecanoic acid (PFTrDA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	
Perfluoroundecanoic acid (PFUnDA)	<5.02	U	5.02	1	09/03/24 23:22	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 10:30
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-211	**Units:**	ng/L
Lab Code:	HN2405634-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS - Surrogates

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Surrogate Name		% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 10:2		160	48 - 161	09/03/24 23:22	
13C2-FtS 4:2	**S**	337	50 - 150	09/03/24 23:22	S
13C2-FtS 6:2	**S**	303	50 - 150	09/03/24 23:22	S
13C2-FtS 8:2	**S**	292	50 - 150	09/03/24 23:22	S
13C2-PFDA		79.9	50 - 150	09/03/24 23:22	
13C2-PFDoA		74.3	50 - 150	09/03/24 23:22	
13C2-PFHxA		57.8	50 - 150	09/03/24 23:22	
13C2-PFHxDA		63.7	26 - 139	09/03/24 23:22	
13C2-PFTeA		64.6	40 - 134	09/03/24 23:22	
13C2-PFUnA		85.7	50 - 150	09/03/24 23:22	
13C3-HFPO-DA		57.6	50 - 150	09/03/24 23:22	
13C3-PFBS		73.9	50 - 150	09/03/24 23:22	
13C4-PFBA		61.8	50 - 150	09/03/24 23:22	
13C4-PFHpA		63.3	50 - 150	09/03/24 23:22	
13C4-PFOA		62.7	50 - 150	09/03/24 23:22	
13C4-PFOS		63.6	50 - 150	09/03/24 23:22	
13C5-PFNA		72.5	50 - 150	09/03/24 23:22	
13C5-PFPeA		59.3	50 - 150	09/03/24 23:22	
13C8-FOSA		61.5	50 - 150	09/03/24 23:22	
18O2-PFHxS		56.9	50 - 150	09/03/24 23:22	
d3-N-MeFOSA	**S**	48.4	50 - 150	09/03/24 23:22	S
d3-N-MeFOSAA		79.4	50 - 150	09/03/24 23:22	
d5-N-EtFOSA	**S**	48.0	50 - 150	09/03/24 23:22	S
d5-N-EtFOSAA		103	50 - 150	09/03/24 23:22	
d7-N-MeFOSE		59.9	50 - 150	09/03/24 23:22	
d9-N-EtFOSE		58.3	50 - 150	09/03/24 23:22	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 12:05
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-202	**Units:**	ng/L
Lab Code:	HN2405634-002	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	<4.71 U	4.71	1	09/03/24 23:36	8/30/24	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	<4.79 U	4.79	1	09/03/24 23:36	8/30/24	
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	<4.82 U	4.82	1	09/03/24 23:36	8/30/24	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	<4.67 U	4.67	1	09/03/24 23:36	8/30/24	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	<4.74 U	4.74	1	09/03/24 23:36	8/30/24	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	<4.71 U	4.71	1	09/03/24 23:36	8/30/24	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	<4.66 U	4.66	1	09/03/24 23:36	8/30/24	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Methylperfluorooctane sulfonamide (MeFOSA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	<4.61 U	4.61	1	09/03/24 23:36	8/30/24	
Perfluorobutane sulfonic acid (PFBS)	<4.42 U	4.42	1	09/03/24 23:36	8/30/24	
Perfluorobutanoic acid (PFBA)	**13.2**	5.00	1	09/03/24 23:36	8/30/24	
Perfluorobutylsulfonamide (PFBSA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorodecane sulfonic acid (PFDS)	<4.82 U	4.82	1	09/03/24 23:36	8/30/24	
Perfluorodecanoic acid (PFDA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorododecane sulfonic acid (PFDoS)	<4.84 U	4.84	1	09/03/24 23:36	8/30/24	
Perfluorododecanoic acid (PFDOA)	<5.00 U	5.00	1	09/03/24 23:36	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 12:05
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-202	**Units:**	ng/L
Lab Code:	HN2405634-002	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroheptane sulfonic acid (PFHpS)	<4.76	U	4.76	1	09/03/24 23:36	8/30/24	
Perfluoroheptanoic acid (PFHpA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorohexadecanoic acid (PFHxDA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorohexane sulfonic acid (PFHxS)	<4.55	U	4.55	1	09/03/24 23:36	8/30/24	
Perfluorohexanesulfonamide (PFHxSA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorohexanoic acid (PFHxA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorononane sulfonic acid (PFNS)	<4.80	U	4.80	1	09/03/24 23:36	8/30/24	
Perfluorononanoic acid (PFNA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorooctadecanoic acid (PFODA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorooctane sulfonamide (PFOSAm)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorooctane sulfonic acid (PFOS)	**5.61**		1.86	1	09/03/24 23:36	8/30/24	
Perfluorooctanoic acid (PFOA)	**4.08**		2.00	1	09/03/24 23:36	8/30/24	
Perfluoropentane sulfonic acid (PFPeS)	<4.69	U	4.69	1	09/03/24 23:36	8/30/24	
Perfluoropentanoic acid (PFPeA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorotetradecanoic acid (PFTDA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluorotridecanoic acid (PFTrDA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	
Perfluoroundecanoic acid (PFUnDA)	<5.00	U	5.00	1	09/03/24 23:36	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24 12:05
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	MW-202	**Units:**	ng/L
Lab Code:	HN2405634-002	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS - Surrogates

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Surrogate Name		% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 10:2		108	48 - 161	09/03/24 23:36	
13C2-FtS 4:2	**S**	178	50 - 150	09/03/24 23:36	S
13C2-FtS 6:2		143	50 - 150	09/03/24 23:36	
13C2-FtS 8:2		99.3	50 - 150	09/03/24 23:36	
13C2-PFDA		78.6	50 - 150	09/03/24 23:36	
13C2-PFDoA		82.0	50 - 150	09/03/24 23:36	
13C2-PFHxA		80.6	50 - 150	09/03/24 23:36	
13C2-PFHxDA		66.9	26 - 139	09/03/24 23:36	
13C2-PFTeA		73.2	40 - 134	09/03/24 23:36	
13C2-PFUnA		78.6	50 - 150	09/03/24 23:36	
13C3-HFPO-DA		81.5	50 - 150	09/03/24 23:36	
13C3-PFBS		87.3	50 - 150	09/03/24 23:36	
13C4-PFBA		80.1	50 - 150	09/03/24 23:36	
13C4-PFHpA		85.4	50 - 150	09/03/24 23:36	
13C4-PFOA		78.2	50 - 150	09/03/24 23:36	
13C4-PFOS		73.8	50 - 150	09/03/24 23:36	
13C5-PFNA		79.4	50 - 150	09/03/24 23:36	
13C5-PFPeA		87.2	50 - 150	09/03/24 23:36	
13C8-FOSA		79.4	50 - 150	09/03/24 23:36	
18O2-PFHxS		76.6	50 - 150	09/03/24 23:36	
d3-N-MeFOSA		69.1	50 - 150	09/03/24 23:36	
d3-N-MeFOSAA		79.1	50 - 150	09/03/24 23:36	
d5-N-EtFOSA		66.5	50 - 150	09/03/24 23:36	
d5-N-EtFOSAA		84.0	50 - 150	09/03/24 23:36	
d7-N-MeFOSE		80.2	50 - 150	09/03/24 23:36	
d9-N-EtFOSE		83.0	50 - 150	09/03/24 23:36	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	Field Blank	**Units:**	ng/L
Lab Code:	HN2405634-003	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	<4.73 U	4.73	1	09/03/24 23:49	8/30/24	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	<4.82 U	4.82	1	09/03/24 23:49	8/30/24	
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	<4.84 U	4.84	1	09/03/24 23:49	8/30/24	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	<4.69 U	4.69	1	09/03/24 23:49	8/30/24	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	<4.74 U	4.74	1	09/03/24 23:49	8/30/24	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	<4.73 U	4.73	1	09/03/24 23:49	8/30/24	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	<4.68 U	4.68	1	09/03/24 23:49	8/30/24	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Methylperfluorooctane sulfonamide (MeFOSA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	<4.63 U	4.63	1	09/03/24 23:49	8/30/24	
Perfluorobutane sulfonic acid (PFBS)	<4.44 U	4.44	1	09/03/24 23:49	8/30/24	
Perfluorobutanoic acid (PFBA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorobutylsulfonamide (PFBSA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorodecane sulfonic acid (PFDS)	<4.84 U	4.84	1	09/03/24 23:49	8/30/24	
Perfluorodecanoic acid (PFDA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorododecane sulfonic acid (PFDoS)	<4.86 U	4.86	1	09/03/24 23:49	8/30/24	
Perfluorododecanoic acid (PFDOA)	<5.03 U	5.03	1	09/03/24 23:49	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	Field Blank	**Units:**	ng/L
Lab Code:	HN2405634-003	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroheptane sulfonic acid (PFHpS)	<4.78	U	4.78	1	09/03/24 23:49	8/30/24	
Perfluoroheptanoic acid (PFHpA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorohexadecanoic acid (PFHxDA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorohexane sulfonic acid (PFHxS)	<4.57	U	4.57	1	09/03/24 23:49	8/30/24	
Perfluorohexanesulfonamide (PFHxSA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorohexanoic acid (PFHxA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorononane sulfonic acid (PFNS)	<4.82	U	4.82	1	09/03/24 23:49	8/30/24	
Perfluorononanoic acid (PFNA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorooctadecanoic acid (PFODA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorooctane sulfonamide (PFOSAm)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorooctane sulfonic acid (PFOS)	<1.86	U	1.86	1	09/03/24 23:49	8/30/24	
Perfluorooctanoic acid (PFOA)	<2.01	U	2.01	1	09/03/24 23:49	8/30/24	
Perfluoropentane sulfonic acid (PFPeS)	<4.71	U	4.71	1	09/03/24 23:49	8/30/24	
Perfluoropentanoic acid (PFPeA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorotetradecanoic acid (PFTDA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluorotridecanoic acid (PFTrDA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	
Perfluoroundecanoic acid (PFUnDA)	<5.03	U	5.03	1	09/03/24 23:49	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	08/20/24
Sample Matrix:	WATER	**Date Received:**	08/23/24 09:30
Sample Name:	Field Blank	**Units:**	ng/L
Lab Code:	HN2405634-003	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS - Surrogates

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 10:2	108	48 - 161	09/03/24 23:49	
13C2-FtS 4:2	99.3	50 - 150	09/03/24 23:49	
13C2-FtS 6:2	101	50 - 150	09/03/24 23:49	
13C2-FtS 8:2	91.2	50 - 150	09/03/24 23:49	
13C2-PFDA	88.6	50 - 150	09/03/24 23:49	
13C2-PFDoA	94.3	50 - 150	09/03/24 23:49	
13C2-PFHxA	94.8	50 - 150	09/03/24 23:49	
13C2-PFHxDA	82.6	26 - 139	09/03/24 23:49	
13C2-PFTeA	82.2	40 - 134	09/03/24 23:49	
13C2-PFUnA	90.1	50 - 150	09/03/24 23:49	
13C3-HFPO-DA	99.2	50 - 150	09/03/24 23:49	
13C3-PFBS	102	50 - 150	09/03/24 23:49	
13C4-PFBA	101	50 - 150	09/03/24 23:49	
13C4-PFHpA	97.5	50 - 150	09/03/24 23:49	
13C4-PFOA	98.1	50 - 150	09/03/24 23:49	
13C4-PFOS	90.4	50 - 150	09/03/24 23:49	
13C5-PFNA	93.0	50 - 150	09/03/24 23:49	
13C5-PFPeA	100	50 - 150	09/03/24 23:49	
13C8-FOSA	76.9	50 - 150	09/03/24 23:49	
18O2-PFHxS	98.1	50 - 150	09/03/24 23:49	
d3-N-MeFOSA	69.1	50 - 150	09/03/24 23:49	
d3-N-MeFOSAA	89.0	50 - 150	09/03/24 23:49	
d5-N-EtFOSA	69.9	50 - 150	09/03/24 23:49	
d5-N-EtFOSAA	96.0	50 - 150	09/03/24 23:49	
d7-N-MeFOSE	101	50 - 150	09/03/24 23:49	
d9-N-EtFOSE	85.7	50 - 150	09/03/24 23:49	

QC Summary Forms

Organics

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	NA
Sample Matrix:	WATER	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	QC-1625402-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	<4.71 U	4.71	1	09/03/24 17:50	8/30/24	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	<4.79 U	4.79	1	09/03/24 17:50	8/30/24	
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	<4.82 U	4.82	1	09/03/24 17:50	8/30/24	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	<4.67 U	4.67	1	09/03/24 17:50	8/30/24	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	<4.74 U	4.74	1	09/03/24 17:50	8/30/24	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	<4.71 U	4.71	1	09/03/24 17:50	8/30/24	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	<4.66 U	4.66	1	09/03/24 17:50	8/30/24	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Methylperfluorooctane sulfonamide (MeFOSA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	<4.61 U	4.61	1	09/03/24 17:50	8/30/24	
Perfluorobutane sulfonic acid (PFBS)	<4.42 U	4.42	1	09/03/24 17:50	8/30/24	
Perfluorobutanoic acid (PFBA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorobutylsulfonamide (PFBSA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorodecane sulfonic acid (PFDS)	<4.82 U	4.82	1	09/03/24 17:50	8/30/24	
Perfluorodecanoic acid (PFDA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorododecane sulfonic acid (PFDoS)	<4.84 U	4.84	1	09/03/24 17:50	8/30/24	
Perfluorododecanoic acid (PFDOA)	<5.00 U	5.00	1	09/03/24 17:50	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	NA
Sample Matrix:	WATER	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	QC-1625402-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Analyte Name	Result		MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroheptane sulfonic acid (PFHpS)	<4.76	U	4.76	1	09/03/24 17:50	8/30/24	
Perfluoroheptanoic acid (PFHpA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorohexadecanoic acid (PFHxDA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorohexane sulfonic acid (PFHxS)	<4.55	U	4.55	1	09/03/24 17:50	8/30/24	
Perfluorohexanesulfonamide (PFHxSA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorohexanoic acid (PFHxA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorononane sulfonic acid (PFNS)	<4.80	U	4.80	1	09/03/24 17:50	8/30/24	
Perfluorononanoic acid (PFNA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorooctadecanoic acid (PFODA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorooctane sulfonamide (PFOSAm)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorooctane sulfonic acid (PFOS)	<1.86	U	1.86	1	09/03/24 17:50	8/30/24	
Perfluorooctanoic acid (PFOA)	<2.00	U	2.00	1	09/03/24 17:50	8/30/24	
Perfluoropentane sulfonic acid (PFPeS)	<4.69	U	4.69	1	09/03/24 17:50	8/30/24	
Perfluoropentanoic acid (PFPeA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorotetradecanoic acid (PFTDA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluorotridecanoic acid (PFTrDA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	
Perfluoroundecanoic acid (PFUnDA)	<5.00	U	5.00	1	09/03/24 17:50	8/30/24	

Analytical Report

Client:	ALS Environmental	**Service Request:**	HN2405634
Project:	R2407957/	**Date Collected:**	NA
Sample Matrix:	WATER	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	QC-1625402-001	**Basis:**	Wet

Per- and Polyfluorinated Alkyl Substances by LC-MS - Surrogates

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-FtS 10:2	93.3	48 - 161	09/03/24 17:50	
13C2-FtS 4:2	77.7	50 - 150	09/03/24 17:50	
13C2-FtS 6:2	82.5	50 - 150	09/03/24 17:50	
13C2-FtS 8:2	79.2	50 - 150	09/03/24 17:50	
13C2-PFDA	78.7	50 - 150	09/03/24 17:50	
13C2-PFDoA	78.6	50 - 150	09/03/24 17:50	
13C2-PFHxA	80.7	50 - 150	09/03/24 17:50	
13C2-PFHxDA	50.0	26 - 139	09/03/24 17:50	
13C2-PFTeA	57.0	40 - 134	09/03/24 17:50	
13C2-PFUnA	73.9	50 - 150	09/03/24 17:50	
13C3-HFPO-DA	85.0	50 - 150	09/03/24 17:50	
13C3-PFBS	83.0	50 - 150	09/03/24 17:50	
13C4-PFBA	80.7	50 - 150	09/03/24 17:50	
13C4-PFHpA	81.5	50 - 150	09/03/24 17:50	
13C4-PFOA	76.8	50 - 150	09/03/24 17:50	
13C4-PFOS	78.2	50 - 150	09/03/24 17:50	
13C5-PFNA	81.4	50 - 150	09/03/24 17:50	
13C5-PFPeA	81.4	50 - 150	09/03/24 17:50	
13C8-FOSA	73.0	50 - 150	09/03/24 17:50	
18O2-PFHxS	72.4	50 - 150	09/03/24 17:50	
d3-N-MeFOSA	53.8	50 - 150	09/03/24 17:50	
d3-N-MeFOSAA	71.5	50 - 150	09/03/24 17:50	
d5-N-EtFOSA	53.2	50 - 150	09/03/24 17:50	
d5-N-EtFOSAA	71.4	50 - 150	09/03/24 17:50	
d7-N-MeFOSE	73.9	50 - 150	09/03/24 17:50	
d9-N-EtFOSE	70.4	50 - 150	09/03/24 17:50	

QA/QC Report

Client: ALS Environmental
Project: R2407957
Sample Matrix: WATER

Work Order: HN2405634
Date Analyzed: 09/03/2024
Date Extracted: 08/30/2024

Duplicate Laboratory Control Sample Summary
Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Units: ng/L
Analysis Lab Lot: 2537812

	Laboratory Control Sample QC-1625402-002			Duplicate Laboratory Control Sample QC-1625402-003					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	30.1	30.1	100	31.9	30.1	106	61-128	5.78	30
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	30.9	30.7	101	37.9	30.7	123	71-148	20.2	30
1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	30.8	30.8	99.9	32.8	30.8	107	54-178	6.54	30
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	35.0	29.9	117	36.1	29.9	121	67-143	3.18	30
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	32.2	30.3	106	33.3	30.3	110	66-151	3.30	30
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	27.8	32	86.8	24.2	32	75.6	39-117	13.9	30
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	37.3	32	117	35.9	32	112	71-138	3.82	30
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	33.6	32	105	32.4	32	101	64-134	3.65	30
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	32.5	30.1	108	33.5	30.1	111	74-135	2.92	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	31.0	29.8	104	32.4	29.8	109	69-133	4.55	30
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	36.4	32	114	39.0	32	122	70-139	6.65	30
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	24.2	32	75.7	24.1	32	75.2	61-131	0.570	30
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	32.2	32	101	33.0	32	103	67-140	2.54	30
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	34.2	32	107	33.0	32	103	69-135	3.37	30
N-Methylperfluorooctane sulfonamide (MeFOSA)	27.2	32	85.0	26.9	32	84.1	55-133	1.05	30
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	36.4	32	114	37.8	32	118	75-133	3.55	30
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	31.2	32	97.5	29.5	32	92.3	71-135	5.47	30
Perfluoro-4-ethylcyclohexanesulfonic Acid (PFecHS)	33.3	28.8	116	32.8	28.8	114	79-131	1.60	30
Perfluorobutane sulfonic acid (PFBS)	30.8	28.3	109	32.2	28.3	114	69-131	4.18	30
Perfluorobutanoic acid (PFBA)	33.1	32	103	33.3	32	104	73-139	0.656	30
Perfluorobutylsulfonamide (PFBSA)	34.0	32	106	40.9	32	128	68-164	18.5	30
Perfluorodecane sulfonic acid (PFDS)	30.4	30.8	98.6	31.4	30.8	102	64-128	3.40	30
Perfluorodecanoic acid (PFDA)	34.7	32	108	33.6	32	105	77-135	3.24	30

QA/QC Report

Client: ALS Environmental
Project: R2407957
Sample Matrix: WATER

Work Order: HN2405634
Date Analyzed: 09/03/2024
Date Extracted: 08/30/2024

Duplicate Laboratory Control Sample Summary
Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Units: ng/L
Analysis Lab Lot: 2537812

	Laboratory Control Sample QC-1625402-002			Duplicate Laboratory Control Sample QC-1625402-003					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorododecane sulfonic acid (PFDoS)	21.8	31	70.5	25.2	31	81.2	59-122	14.0	30
Perfluorododecanoic acid (PFDOA)	35.8	32	112	33.6	32	105	77-137	6.43	30
Perfluoroheptane sulfonic acid (PFHpS)	31.9	30.5	105	31.3	30.5	102	70-137	2.08	30
Perfluoroheptanoic acid (PFHpA)	34.7	32	108	35.1	32	110	72-130	1.33	30
Perfluorohexane sulfonic acid (PFHxS)	31.8	29.1	109	31.2	29.1	107	68-131	1.84	30
Perfluorohexanesulfonamide (PFHxSA)	31.5	32	98.3	32.6	32	102	74-135	3.51	30
Perfluorohexanoic acid (PFHxA)	34.2	32	107	33.9	32	106	72-129	1.01	30
Perfluorononane sulfonic acid (PFNS)	30.3	30.7	98.8	29.0	30.7	94.5	70-132	4.46	30
Perfluorononanoic acid (PFNA)	34.1	32	106	34.9	32	109	79-131	2.53	30
Perfluorooctane sulfonamide (PFOSAm)	30.7	32	96.0	37.1	32	116	66-140	18.8	30
Perfluorooctane sulfonic acid (PFOS)	31.3	29.7	105	34.6	29.7	116	72-133	10.1	30
Perfluorooctanoic acid (PFOA)	34.5	32	108	32.8	32	102	71-133	5.18	30
Perfluoropentane sulfonic acid (PFPeS)	32.5	30	108	33.7	30	112	73-137	3.60	30
Perfluoropentanoic acid (PFPeA)	33.5	32	104	33.6	32	105	72-129	0.429	30
Perfluoroundecanoic acid (PFUnDA)	34.4	32	107	33.6	32	105	80-135	2.08	30

QA/QC Report

Client: ALS Environmental
Project: R2407957
Sample Matrix: WATER

Work Order: HN2405634
Date Analyzed: 09/04/2024
Date Extracted: 08/30/2024

Duplicate Laboratory Control Sample Summary
Per- and Polyfluorinated Alkyl Substances by LC-MS

Analysis Method: EPA 537Mod
Prep Method: EPA 537Mod

Units: ng/L
Analysis Lab Lot: 2540221

	Laboratory Control Sample QC-1625402-002			Duplicate Laboratory Control Sample QC-1625402-003					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorohexadecanoic acid (PFHxDA)	27.5	32	86.0	27.7	32	86.6	64-142	0.661	30
Perfluorooctadecanoic acid (PFODA)	31.7	32	99.1	34.2	32	107	71-144	7.73	30
Perfluorotetradecanoic acid (PFTDA)	35.3	32	110	34.0	32	106	62-139	3.60	30
Perfluorotridecanoic acid (PFTrDA)	43.7	32	137	43.1	32	135	63-147	1.52	30

Appendix D

NEU-VELLE LLC

Institutional Control/ Engineering Control (IC/EC) Certification

Enclosure 2

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

Site Details Box 1

Site No. 915152

Site Name Saginaw - Buffalo

Site Address: 320 Scajaquada St. Zip Code: 14215
City/Town: Buffalo
County: Erie
Site Acreage: 7.248

Reporting Period: August 31, 2023 to August 31, 2024

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	X	
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	X	
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	X	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915152 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
101.24-1-3.1	300-320 SCAJ LLC	Monitoring Plan O&M Plan

i) Inspection and Maintenance of Parking Lot #4.
ii) Groundwater and Sewer Monitoring according to the Operation and Maintenance Manual, dated April 2, 2001.
iii) Modification to O&M Frequency Dated January 4, 2004.
iv) Modification to O&M Frequency Dated September 22, 2008.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
101.24-1-3.1	Cover System

Asphalt Parking Lot Cover.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) If a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915152

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Albert 6. Lyons, Jr. at Neu-Velle LLC
10 Jones Ave
Rochester NY 14608
print name print business address

am certifying as Owner Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Albert D Lyons 9/26/24

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

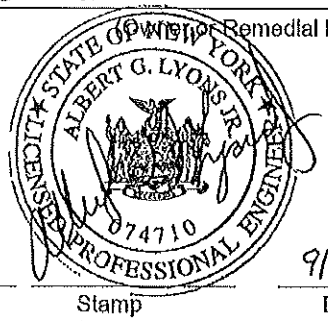
Box 7

Professional Engineer Signature

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

I Albert G. Lyons, Jr. (print name) at Neu-Velle LLC, 10 Jones Ave, Rochester, NY 14608 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)



Albert G Lyons — 9/26/24

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

HANCOCK ESTABROOK LLP

DOREEN A. SIMMONS, ESQ.
dsimmons@hancocklaw.com

November 16, 2023

VIA ELECTRONIC SUBMISSION: DERSiteControl@dec.ny.gov

Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7920

Re: Change of Use - Site No. 915152 / Saginaw-Buffalo

Dear Sir / Madam:

We hereby submit the attached 60-Day Advance Notification of Site Change of Use form for the Saginaw-Buffalo Site (DEC Site ID No. 915152). We submit this form to notify the Department about the demolition of an existing out-of-service wastewater treatment plant. Work is scheduled to commence on the date indicated in Section III of the Change of Use form or earlier, but in any case, subject to the Department's approval of the submitted Demolition Work Plan.

Please contact me with any questions or comments. Thank you.

Very truly yours,

HANCOCK ESTABROOK, LLP

Doreen A. Simmons

DAS/slp
Enclosures
cc: Matthew C. Edwards, RA, BUFFALO Construction Consultants (*via e-mail*)
Albert G. Lyons, Jr. P.E., NEU-VELLE LLC (*via e-mail*)
Gregory Scholand, Esq., NYSDEC
Megan Kuczka, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: SAGINAW-BUFFALO **DEC Site ID No.** 915152

II. Contact Information of Person Submitting Notification:

Name: Matthew C. Edwards, RA - Buffalo Construction Consultants
Address1: 496 Kennedy Rd.
Address2: Buffalo, NY 14227
Phone: 716-725-8178 E-mail: medwards@buffaloconstruct.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☐ Change in Ownership or Change in Remedial Party(ies)
- ☐ Transfer of Certificate of Completion (CoC)
- ☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 2023-12-11

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Demolition of existing out-of-service wastewater treatment plant. Work will commence on date indicated in section III above or immediately upon NYSDEC approval of submitted work plan.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: Matthew C. Edwards, PA (Signature) 11/13/23 (Date)

MATTHEW C. EDWARDS (Print Name)

Address1: 496 KENNEDY ROAD

Address2: BUFFALO, NY, 14227

Phone: 716-725-8178 E-mail: MEDWARDS@BUFFALOCONSTRUCT.COM

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. **Agreement to Notify DEC after Transfer:** If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____
(Signature) (Date)

_____
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Appendix E

NEU-VELLE LLC

Building Permit

BUILDING PERMIT

Department of Permit & Inspection Services

65 Niagara Sq Rm. 301
Buffalo, NY 14202

Byron W. Brown, Mayor

Department of Permit & Inspection Services

. . . . Building a Better Buffalo

Application Type: General Construction Permit

You must contact the Inspector at (716)851-4928 or at the number listed below prior to starting any work

Application/Permit No.: **GC23-9583699**

Address: 300 SCAJAQUADA ST

Location:

Applicant: BUFFALO CONSTRUCTION CONSULTANTS, INC.

Phone: (716)444-0822

Issue Date: 04/12/2024

Processed By: THOMAS PUGLISI

Expire Date: 10/12/2024

Fees: $16,156.00

License No.: GNC17-10042807

License Type: GENERAL CONTRACTOR

SBL No.: 1012400001009000

Land Use: 449

Census Track: 36.00

Inspector: ED FULLAGAR (716)851-4928
efullagar@city-buffalo.com

Value: $4,000,000.00

Plans: Yes

Description of Work: *** CHANGE OF USE *** CHANGE OF USE TO CONVERT EXISTING SPACE TO (DISPATCH FACILITY) USE IN THE (D-IH) ZONE. SUBDIVIDE A PORTION OF (302 SCAJAQUADA) AND COMBINE WITH (300 SCAJACUADA) FOR THE NEW CONSTRUCTION OF (3) ADDITIONS ALONG WITH ALTERATIONS AND RENOVATIONS TO EXISTING STRUCTURE.
*** FILED THROUGH IDT *** *** PLANS FILED THROUGH IDT 11/15/23 ***
*** ATTACHED ASBESTOS SURVEY *** *** ASBESTOS CLEARANCE LETTER IN IDT. ***

*** ALL FOOTINGS SHALL BE INSPECTED BY THE BUILDING INSPECTOR BEFORE BEING FILLED ***
*** MAJOR SITE *** *** ENCROACHMENT ***
*** SAME PROPERTY OWNER FOR 300 SCAJACUADA AND 302 SCAJACUADA SHALL PROVIDE A NEW SURVEY AND LEGAL DOCUMENTATION PRIOR TO THE ISSUANCE OF THIS PERMIT ***

*** **PHASED PERMIT SITE WORK AND FOUNDATIONS ONLY - DPW APPROVAL NEEDED** ***

YOU MUST CONTACT YOUR INSPECTOR PRIOR TO STARTING ANY WORK

Commissioner, Permit & Inspection Services

Thank you for investing in the City of Buffalo

AND AS SHOWN ON APPLICATION NUMBERED ABOVE. WHICH APPLICATION IS MADE PART OF THIS PERMIT.
*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE ***
ALL WORK PERFORMED AND ANY ASSOCIATED PLANS SUBMITTED FOR THE ISSUANCE OF THIS PERMIT, SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.

THIS PERMIT MUST BE DISPLAYED WHERE IT IS VISIBLE FROM THE STREET

Signature of Contact/Contractor _____ Date: 4/12/2024

Byron W. Brown, Mayor

BUILDING PERMIT

Department of Permit & Inspection Services

65 Niagara Sq Rm. 301
Buffalo, NY 14202

Application Type: General Construction Permit

Commissioner, Permit & Inspection Services

Thank you for investing in the City of Buffalo

AND AS SHOWN ON APPLICATION NUMBERED ABOVE. WHICH APPLICATION IS MADE PART OF THIS PERMIT.
*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE ***
ALL WORK PERFORMED AND ANY ASSOCIATED PLANS SUBMITTED FOR THE ISSUANCE OF THIS PERMIT, SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.

THIS PERMIT MUST BE DISPLAYED WHERE IT IS VISIBLE FROM THE STREET

Signature of Contact/Contractor _____ Date: 4/12/2024

DEMOLITION PERMIT

Department of Permit & Inspection Services

65 Niagara Sq Rm. 301
Buffalo, NY 14202

Byron W. Brown, Mayor

Department of Permit & Inspection Services

. . . . Building a Better Buffalo

Application Type: Demolition Application

You must contact the Inspector at (716)851-4904 or at the number listed below prior to starting any work

Application/Permit No.: DEMO23-9584002
Address: 320 SCAJAQUADA ST
Location:
Applicant: EPIC CONTRACTING OF ORCHARD PARK INC.
Phone: (716)662-2782

Issue Date: 05/24/2024
Processed By: THOMAS PUGLISI
Expire Date: 11/24/2024

Fees: $550.00
License No.: DM220-10058642
License Type: DEMOLITION GRADE 2

SBL No.: 1012400001003000
Land Use: 710
Census Track: 36.00
Inspector: Sean Myers (716)851-4904
smyers@city-buffalo.com

Value: $70,000.00
Plans: No

Description of Work: DEMOLISH TO GRADE EXISTING 2-STORY INDUSTRIAL BUILDING WITH ABANDONED INTERIOR TANKS ALONG SITE WORK FOR REMOVAL OF EXISTING FOUNDATIONS/CONCRETE STRUCTURES, FENCING, GUARDRAILS, STEEL BOLLARDS AND OVERHEAD STEEL PIPING SUPPORT TRESTLE. *** FILED THROUGH IDT *** *** POS. ASBESTOS SURVEY ATTACHED *** *** ATTACHED ASBESTOS CLEARANCE LETTER ***

*** FUTURE LAND USE VACANT *** *** SEE ATTACHMENTS ***

YOU MUST CONTACT YOUR INSPECTOR PRIOR TO STARTING ANY WORK

RECEIVED/PAID
MAY 24 2024
COB TREASURY

Commissioner, Permit & Inspection Services

Thank you for investing in the City of Buffalo

AND AS SHOWN ON APPLICATION NUMBERED ABOVE, WHICH APPLICATION IS MADE PART OF THIS PERMIT.
*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE ***
ALL WORK PERFORMED AND ANY ASSOCIATED PLANS SUBMITTED FOR THE ISSUANCE OF THIS PERMIT, SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.

THIS PERMIT MUST BE DISPLAYED WHERE IT IS VISIBLE FROM THE STREET

Signature of Contact/Contractor _____ Date: 5/24/2024

Apply for your next Building Permit online at http://www.buffalony.gov