134 Greenridge Drive, Manlius, NY 13104

January 17, 2025

Jolene Lozewski, P.G.
Remedial Section A, Bureau A
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7015

Via email: jolene.lozewski@dec.ny.gov

RE: Quarterly Monitoring Report: July 2024 - September 2024
Groundwater Extraction and Treatment System
Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site No. 429004

Dear Ms. Lozewski:

James Environmental Management (JEM) is submitting this quarterly report on behalf of Sticker Mule (Owner) regarding the Ward Products Site, New York State Department of Environmental Conservation (NYSDEC) Site No. 429004, located at 61 Edson Street, Amsterdam, NY (the Site). The following paragraphs provide a brief Site background followed by a description of the observations and monthly monitoring reports for the third quarter of 2024 (July-September 2024) along with the results of semi-annual discharge monitoring.

BACKGROUND

A history of industrial use at the Site has resulted in the presence of several Chlorinated Volatile Organic Compounds (CVOCs) in groundwater. Previous remediation at the Site, included the removal of impacted soil between November 2008 and February 2009 and installation and operation of a groundwater extraction and treatment system (GWETS), resulted in the Site being designated Class 4. Ongoing operation, maintenance and monitoring (OM&M) of the GWETS is required. From July 2024 to September 2024, JEM performed the requisite inspections, sampling, and reporting along with maintenance and upgrades to the GWETS under contract to the Owner.

MONTHLY MONITORING ACTIVITIES

On 22 July 2024, JEM's environmental technician mobilized to the Site to perform the monthly inspection. The totalizer flow meter for RW-2 was observed as being inactive since the last inspection was completed, indicating the pump installed in RW-2 was inoperable. As a result of this observation, a new pump was scheduled to be installed prior to the August 2024 inspection. Excluding the operating issues with RW-2, the system was confirmed to be operating within

normal parameters, and the current status was logged accordingly.

On 7 August 2024, BCS Refrigeration, under the oversight of JEM's technician, removed the inoperable pump from RW-2 and installed a new pump. The new pump was tested and found to be operating properly. On 22 August 2024, JEM's environmental technician mobilized to the Site to perform the monthly inspection. RW-1 was observed to be operating intermittently and the underload indicator was triggered on the pump protection device. The underload indicator suggests that RW-1 was able to purge the available volume of groundwater in the well and above the pump at a greater rate than groundwater was able recharge into the well. Excluding the issues identified with RW-1, the system was confirmed to be operating within normal parameters, and the current status was logged accordingly.

On 19 September 2024, JEM's environmental technician mobilized to the Site to perform the monthly inspection and to measure pH values for the influent and effluent water from the system. RW-1 was observed to be triggering the underload indicator on the pump protection device suggesting the groundwater in RW-1 was being purged at a higher rate than groundwater was being recharged into RW-1. Excluding the issue with RW-1, the system was confirmed to be operating within normal parameters, and the current status was logged accordingly. A grab water sample was collected from the system influent and effluent sampling ports and the pH was measured for each. Influent groundwater was measured at a pH of 7.47 and effluent water from the system was measured at a pH of 8.46.

Monthly inspection records are attached and a summary of GWETS conditions recorded during each monthly inspection are summarized below.

Inspection Date	Total Gallons	Gallons Since Last Inspection	Average Daily Gallons	RW-1 Influent Flow Meter	RW-2 Influent Flow Meter	Temperature Inside the System Shed
22-Jul	140910.69	30020.69	1111.88	899883.88	314859.08	86°F
22-Aug	274733.36	133822.67	4316.86	936450.79	412114.84	78°F
19-Sep	449557.69	174824.33	6243.73	964710.20	558679.76	72°F

NR = Not Recorded during this monthly inspection.

SUBSLAB DEPRESSURIZATION SYSTEM (SSDS)

As a precautionary measure, a subslab depressurization system (SSDS) operates in the eastern portion of the on-site building (see attached layout). The SSDS fans and pressure meters are inspected occasionally to assure proper operation (note- the SMP only requires annual inspections). All 2024 inspections to date indicate that the system is operating appropriately. Meter readings are attached for reference.

CONCLUSIONS

Monthly inspections and monitoring of the GWETS indicate that the overall system is continuing to capture and treat groundwater affected with VOCs and chromium. JEM is in the process of evaluating RW-1 for potential solutions. JEM will continue to perform monthly inspections and will perform the next semi-annual GWETS sampling event in mid-to-late December 2024.

The SSDS is operating appropriately.

Please contact me at (315) 877-0092 or by email (jtguy@james-em.com) if you have questions or need additional information. Thank you.

Respectfully;
James Environmental Management

Jacob T. Guy
Senior Geologist

CC: Richard A. Mustico, DEC
Bob Corcoran, DEC
Michael Murphy (OGC)
Justin Deming (DOH)
Renata Ockerby (DOH)
Linette Coolong (61 Edson Street, LLC)

Attachments

ATTACHMENT 1

THIRD QUARTER 2024 INSPECTION REPORTS

Monthly Inspection Form
Former Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site No. 429004

Site Management Plan (SMP) requirements:

- Documentation of volume discharged to the City of Amsterdam POTW;
- Inspection of all treatment components;
- Documentation of all system operating pressures;
- Testing of system interlocks;
- Report any maintenance requirements or operations issues to PM within 24 hours.

Inspection performed by: Thomas Macomber (Printed Name) on 22 July 2024 (Date)

Weather: 72°F at 0957, partly cloudy, forecast high of 82°F, sunrise at 0538, sunset at 2027, Wind towards WSW at 2 mph, 75% humidity

Temperature inside treatment shed: 86°F

Is system running upon arrival: ___ Yes ___ No _X_ Idle
If no, did you determine the problem and restart system: ___ Yes ___ No _X_ N/A

Describe: System was idle during monthly inspection. At 10:07, the system reported RW-1 as last active 1hr 19min earlier and RW-2 as last active 1hr 22min earlier.

Any alarm conditions upon arrival: ___ Yes _X_ No If yes, describe: N/A

Flow meter readings: RW-1 899883.88 gallons RW-2 314859.077 gallons

System Total Gallons Reading: 139570 gallons Tank Column Reading: 9.4 inches

Water samples collected: Influent ___ Yes _X_ No Effluent ___ Yes _X_ No
(if yes, attach Chain of Custody)

Other pertinent observations (add second page if needed): RW-1 pressure at 0 PSI, RW-2 pressure at 0 PSI, vent pressure at 0 PSI, stack pressure at 0.3 PSI, stack sump pressure at 0 PSI. Comparing photographs taken of the flow meter of RW-2 confirmed that no recordable quantity has been pumped from RW-2 since April 2024 (time-stamped photographs attached).

Monthly Inspection Form
Former Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site No. 429004

Site Management Plan (SMP) requirements:

- Documentation of volume discharged to the City of Amsterdam POTW;
- Inspection of all treatment components;
- Documentation of all system operating pressures;
- Testing of system interlocks;
- Report any maintenance requirements or operations issues to PM within 24 hours.

Inspection performed by: James F. Blasting (Printed Name) on 8/22/24 (Date)

Weather: sunny, 75 degrees F

Temperature inside treatment shed: 78 degrees F

Is system running upon arrival: X yes ___ no
If no, did you determine the problem and restart system: X yes ___no

Describe: RW-2 was operating and the pump, blower and discharge were operating, but RW-1 was not running. Restarted RW-1 three times throughout the day. RW-1 runs for a while then shuts off due to lack of water in the recovery well. **Recommendation:** evaluate RW-1 and consider changing pump to 'low flow'.

Any alarm conditions upon arrival: ___ yes X no If yes, describe: _____

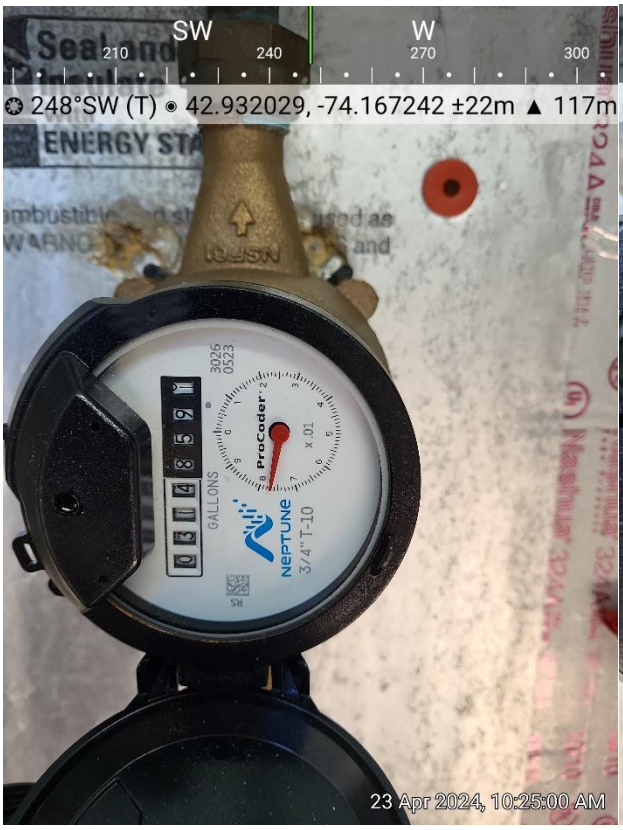
Flow meter readings: RW-1 936,450.79 RW-2 412114.839
Total flow since last reading (7/22/24): RW-1 36,566.91 RW-2 97,255.76

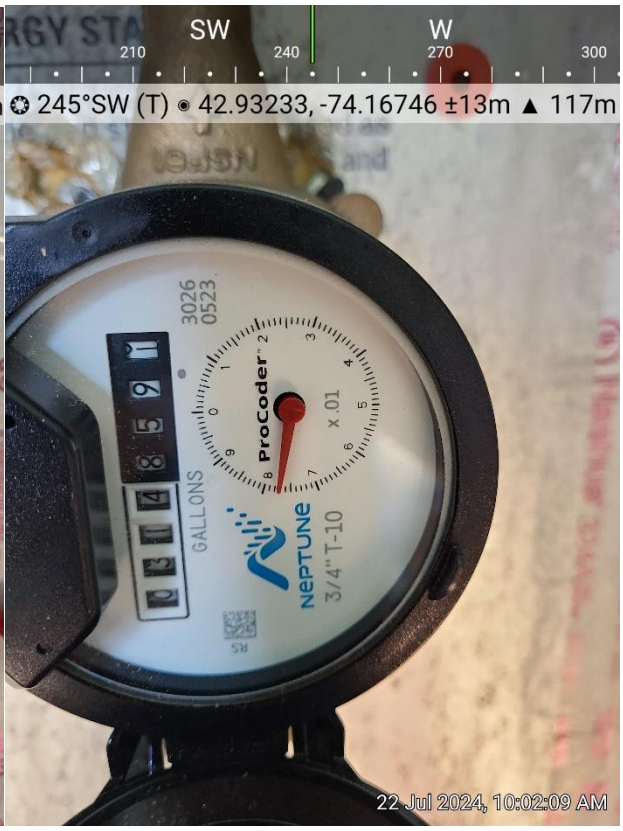
MAG Meter Readings: Stack/Sump: 0.1

Sump Water Level Meter Reading: NA

Water samples collected: Influent ___ yes X no Effluent ___ yes X no
(if yes, attach Chain of Custody)

Other pertinent observations (add second page if needed): RW-1 pressure at 1 PSI, RW-2 pressure at 2 PSI, filter pressure at 0 PSI (note- filter bag was changed on 8/7/24), stack sump pressure at 0 PSI, blower pressure at 11 (in H_2O).


SW
W
210
240
270
300
248°SW (T) 42.932029, -74.167242 ±22m ▲ 117m
ENERGY STA
ProCoder
x.01
GALLONS
NEPTUNE
3/4"T-10
23 Apr 2024, 10:25:00 AM


SW
W
210
240
270
300
245°SW (T) 42.93233, -74.16746 ±13m ▲ 117m
ProCoder
x.01
GALLONS
NEPTUNE
3/4"T-10
22 Jul 2024, 10:02:09 AM

Monthly Inspection 19 September 2024
Former Ward Products Site, 61 Edson Street, Amsterdam, NY
NYSDEC Site No. 429004

Site Management Plan (SMP) requirements:

- Documentation of volume discharged to the City of Amsterdam POTW;
- Inspection of all treatment components;
- Documentation of all system operating pressures;
- Testing of system interlocks;
- Report any maintenance requirements or operations issues to PM within 24 hours.

Inspection performed by: James F. Blasting (Printed Name) on 9/19/24 (Date)

Weather: mostly sunny, clear, 78 degrees F

Temperature inside treatment shed: 72 degrees F

Is system running upon arrival: X yes ___ no
If no, did you determine the problem and restart system: X yes ___no

Describe: RW-2 was operating and the pump, blower and discharge were operating, but RW-1 was not running. Restarted RW-1 at 4:53 pm. RW-1 operated until 5:10 pm then shut off, presumably due to lack of water in the recovery well. **Recommendation:** evaluate RW-1 and consider changing pump to 'low flow'.

Any alarm conditions upon arrival: ___ yes X no If yes, describe: _____

Flow meter readings: RW-1 964,710.2 RW-2 558,679.756
Total flow since last reading (8/22/24): RW-1 28,259.41 RW-2 146,582.917

MAG Meter Readings: Stack/Sump: 0.1

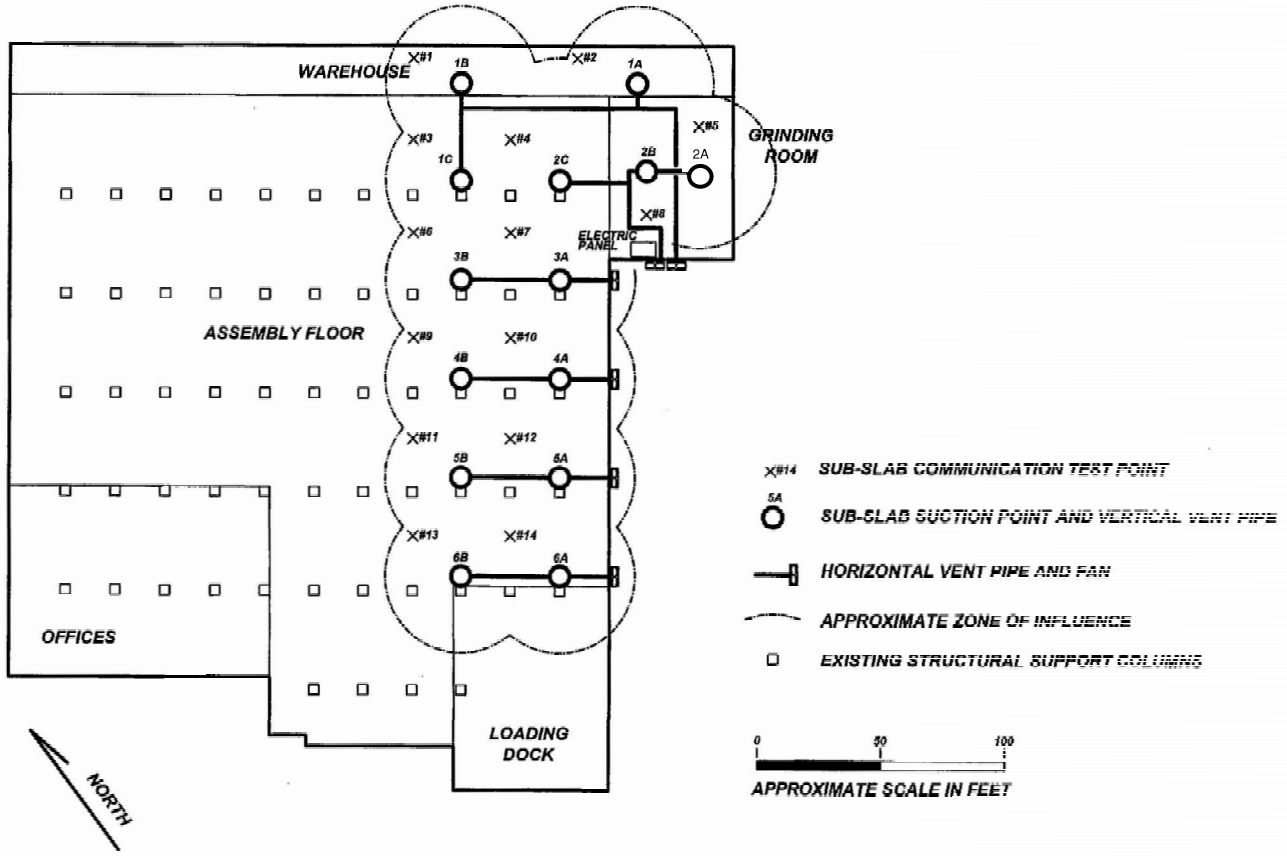
Sump Water Level Meter Reading: NA

Water samples collected: Influent X yes __ no pH only pH influent = 7.47 Effluent X yes __ no pH only pH effluent = 8.46

Other pertinent observations (add second page if needed): RW-1 pressure at 0.1 PSI (when running), RW-2 pressure at 4 PSI, filter pressure at 0 PSI (note- filter bag was changed on 8/7/24), stack sump pressure at 0 PSI, blower pressure at 11 (in H_2O). Redox drum almost empty and needs to be replaced.

ATTACHMENT 2

SSDS INFORMATION



Source: March, 2011 Site Management Plan

Figure 3
Sub-Slab Depressurization System Layout
61 Edson Street, LLC
Amsterdam, NY
NYSDEC Site No. 429004

Sub-Slab Depressurization System (SSDS) Gauge Readings at Sticker Mule, 61 Edson Street, Amsterdam, NY

Date	1A	1B	1C	2A*	2B*	2C	3A	3B	4A	4B	5A	5B	6A	6B
29 January 2024	3.25	3.25	3.25	2.5	2.75	2.5	3.25	3.25	3.5	3.5	2.25	2.5	0.5	0.5
20 March 2024	3.5	3.5	3.5	2.5	3.0	2.5	3.5	3.5	3.75	3.75	2.0	2.0	0.5	0.25
1 May 2024	3.5	3.25	3.0	2.5	3.0	2.75	3.5	3.5	3.5	3.5	2.0	2.0	0.5	0.5
29 May 2024	3.5	3.5	3.5	2.5	3.0	3.25	3.5	3.5	3.5	3.75	2.0	2.25	0.5	0.5
11 July 2024	3.25	3.25	3.5	2.5	3.0	3.0	3.5	3.5	3.25	3.5	2.0	2.25	0.5	0.5
7 August 2024	3.75	3.5	3.5	3.25	2.75	2.75	3.5	3.5	3.5	3.5	2.4	2.4	0.3	0.3
9 October 2024	3.75	3.75	3.75	3.25	2.75	2.75	3.75	3.75	3.75	3.75	2.5	2.5	0.5	0.4

Note- per the Site Management Plan, inspections and readings are required annually.

*On 8/7/24, it was determined that the risers for 2A and 2B were mislabeled. This was corrected. This does not affect system operation or outcomes.