

Providing Tomorrow's Solutions, Today.

225 Atlantic Avenue
Patchogue, NY 11772
Office: 631.447.6400
Fax: 631.447.6497
Toll-Free: 1.888.EAR.6789

www.Enviro-Asmnt.com



ENVIRONMENTAL
ASSESSMENT &
REMIATIONS

November 13, 2023

Jolene Lozewski, P.G.
New York State Department of Environmental Conservation
625 Broadway, 12th floor
Albany, NY 12233

RE: 123 Post Avenue, NYSDEC Site No. 130088 - Monthly O&M Summary

Dear Ms. Lozewski:

This document represents the monthly operation & maintenance (O&M) summary for the soil vapor extraction (SVE) system currently operating at the above referenced site. The report summarizes the maintenance and monitoring activities conducted in October 2023.

Routine Operation & Maintenance

Routine O&M activities were conducted on 10/3/23. O&M activities include the collection of operating data such as system vacuum/pressures and air flow rates. During the routine site visits, mechanical components are checked and serviced accordingly. Concentrations of volatile organic compounds (VOCs) in the system's airstream are monitored at key locations using a photo-ionization detector (PID). Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air. System effluent air samples are collected on a quarterly basis.

O&M Summary

10/3/23 – EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site. Technician noted that removal of vegetation will be required during the next site visit. The site data information sheet for 10/3/23 is provided as Appendix B.

Total system uptime for October 2023 is 100%.

System monitoring data for the time period covered in this report is summarized in Table 1.

System Air Sampling



System air samples for laboratory analysis are collected on a quarterly basis. As the most recent sampling was conducted in August 2023, system air samples were not collected during the October O&M event.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at 631.241.8741.

Sincerely,

A handwritten signature in black ink, appearing to read 'I. Hofmann', written over a light gray rectangular background.

Ian Hofmann
Project Manager

Cc:

J. Lawrence (EAR)

J. Nealon (NYSDOH)



TABLES

Table 1: System Monitoring Log

Table 1



SVE System Data Log

Table with 30 columns: Date/Time, Flow (cfm) [RW-15 to RW-45], Vacuum (H2O) [RW-15 to RW-45], PID (ppm) [RW-15 to RW-45], Vacuum (H2O) [SV-1 to SV-5], Pre-Blower [Vac (H2O), Flow (cfm)], Post Blower [Press. (H2O), Flow (cfm), PID (ppm), Temp (F)], Moist-Sep [Vac (H2O)], and System Runtime [Hr Meter, Date & Time, Hr Meter Diff., Last Visit, Percentage Uptime Since Last Visit, Percentage Uptime by Month]. The table contains detailed operational data from 4/6/2020 to 10/3/2023, including daily readings, monthly averages, and performance metrics.



Appendix A: Photos

10/3 photographs were submitted to NYSDEC on 10/10/23 via the NYSDEC File Transfer Service.



Appendix B: Site Data Information Sheet

130088
 123 POST AVENUE
 WESTBURY, NY 11590

O&M CHECKLIST - SVE SYSTEM

Date: 10/3/23

Inspected By: JB

System: Arrival On / Off Departure On / Off
 SVE Vacuum Relief Valve: Open / Closed Open / Closed
 Hour Meter (Hours): 11957.9 6:06

SVE SYSTEM

Liquid Present in Moisture Separator? Amount?	Yes / <input checked="" type="radio"/> No
Moisture Separator Emptied?	Yes / <input checked="" type="radio"/> No
Moisture Disposal Drum	F / 75 / 50 / 25 / <input checked="" type="radio"/> E
Particulate Filter Inspected?	Yes / <input checked="" type="radio"/> No
Particulate Filter Require Cleaning or Replacement?	Yes / <input checked="" type="radio"/> No
Condition of SVE Shed?	<u>good</u>
Vegetation Require Maintenance?	Yes / <input checked="" type="radio"/> No
Any Evidence of System Tampering, Vandalism or Damage?	Yes / <input checked="" type="radio"/> No
Exhaust Stack in Good Condition?	Yes / <input checked="" type="radio"/> No

SVE WELL READINGS

SVE Well #	Air Flow (cfm)	Vacuum ("H2O)	PID (ppm)	Flow Control (Ball) Valve	Condition of Well?
RW1-S	39	-17	0.2	<input checked="" type="radio"/> 75 / 50 / 25 / C	<u>good</u>
RW2-S	74	-10	1.0	<input checked="" type="radio"/> 75 / 50 / 25 / C	↓
RW3-S	70	-10	0	<input checked="" type="radio"/> 75 / 50 / 25 / C	
RW4-S	19	-18	0	<input checked="" type="radio"/> 75 / 50 / 25 / C	

SVE MONITORING POINTS

	Vacuum ("H2O)		Vacuum ("H2O)	Notes
SV-1	-1.20	SS-1	- .18	
SV-2	- 0.61	SS-2	- .12	
SV-3	- 1.02			

SVE SYSTEM DATA

	Moisture Separator	Pre-Blower (Influent)	Post-Blower (Effluent)	Notes
Vacuum ("H2O)	- 25	- 31		
Pressure ("H2O)			+ 2.3	
Air Flow (cfm)		172	178	
PID (ppm)			1.2	
Temp (F)		/	100	

CARBON SYSTEM DATA

	Pre-Carbon	Between Carbon	Post-Carbon	Notes
Air Flow (cfm)			178	
PID (ppm)	/	/	/	

SVE RADIUS OF INFLUENCE

Piezometer ID	Vacuum ("H2O)	Notes
MW-1	/	
MW-2	/	
MW-3	/	

Attached Photographs

unable to measure vac on MW-1, 2, 3. need 2" cap with sample port