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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

October 2, 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 September 2023.

Routine Operation & Maintenance

Routine O&M activities were conducted on 9/7/23. 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

9/7/23 – EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site. The equipment shed was found vandalized (spraypaint/graffiti), but otherwise undamaged (site photos are provided as Appendix A). The site data information sheet for 9/7/23 is provided as Appendix B.

Total system uptime for September 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 September 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,

Ian Hofmann
Project Manager

Cc:

J. Lawrence (EAR)

J. Nealon (NYSDOH)



TABLES

Table 1: System Monitoring Log

Table 1

123 Post Avenue
123 Post Avenue, Westbury, NY
NYSDEC Site No. 130088



SVE System Data Log

Table with columns: Date/Time, Flow (cfm), Vacuum (H2O), PID (ppm), Vacuum (H2O), Pre-Blower, Post Blower, Moist-Sep, System Runtime, Percentage Uptime, Percentage Uptime by Month. Contains daily data from 4/6/2020 to 9/7/2023.



Appendix A: Photos

System shed:



Shed interior





Shed interior 2



SV-3

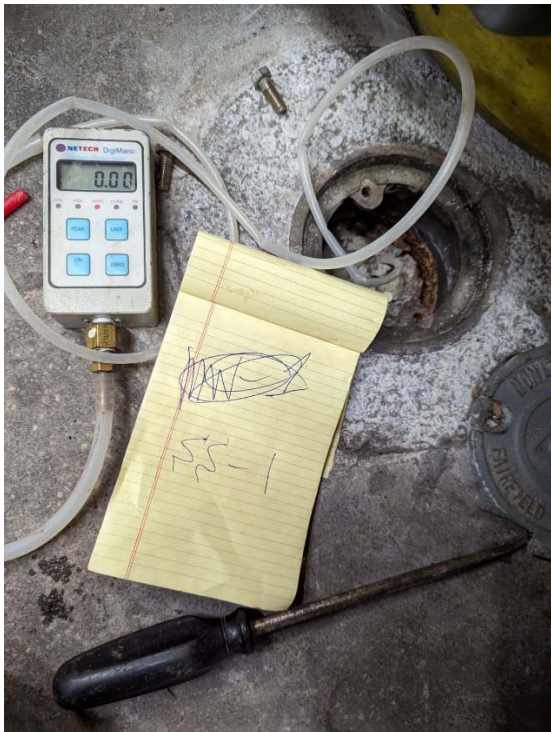




SV-2



SS-1





SS-2



Unidentified drums





SV-1



MW-1





MW (ID requires confirmation)



MW (ID requires confirmation)





Appendix B: Site Data Information Sheet

130088
 123 POST AVENUE
 WESTBURY, NY 11590

O&M CHECKLIST - SVE SYSTEM

Date: 7 SEP 23

Inspected By: EAR-MF

System:
 SVE Vacuum Relief Valve:
 Hour Meter (Hours):

Arrival On / Off
 Open / Closed
 Departure On / Off
 Open / Closed
11336.0 @ 0830

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 / E	? PICS
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?		STANDING (PICS)
Vegetation Require Maintenance?	Yes / <input checked="" type="radio"/> No	
Any Evidence of System Tampering, Vandalism or Damage?	Yes / <input checked="" type="radio"/> No	TAGGED W/ GRABIT.
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	38.	-12.3	.1	<input checked="" type="radio"/> / 75 / 50 / 25 / C	OK
RW2-S	62.	-7.6	0	<input checked="" type="radio"/> / 75 / 50 / 25 / C	OK
RW3-S	70.	-7.0	.2	<input checked="" type="radio"/> / 75 / 50 / 25 / C	OK
RW4-S	15.	-15.6	0	<input checked="" type="radio"/> / 75 / 50 / 25 / C	OK

SVE MONITORING POINTS

	Vacuum ("H2O)		Vacuum ("H2O)	Notes
SV-1	-6.07	SS-1	.89	PICS
SV-2	-2.25	SS-2		
SV-3	+ .12			

SVE SYSTEM DATA

	Moisture Separator	Pre-Blower (Influent)	Post-Blower (Effluent)	Notes
Vacuum ("H2O)	-26.5	-26.		
Pressure ("H2O)			+3.9	
Air Flow (cfm)		165.	178.	
PID (ppm)			.4	
Temp (F)			110.	

CARBON SYSTEM DATA

	Pre-Carbon	Between Carbon	Post-Carbon	Notes
Air Flow (cfm)				what Carbon?
PID (ppm)				

SVE RADIUS OF INFLUENCE

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

Attached Photographs