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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

January 19, 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 December 2022.

Routine Operation & Maintenance

Routine O&M activities were conducted on 12/13/22. 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.

O&M Summary

12/13/22 – EAR responded to a general system alarm call received on 12/12/22 at 12:49. The system was found off upon arrival due to a high water level at the moisture separator tank. The moisture separator was drained and the system was allowed to run for approx. 1 hour before conducting routine O&M. The system was operating upon departure from the site.

12/19/22 – EAR responded to a general system alarm call received on 12/16/22 at 08:35. The system was found off upon arrival though cause of shutdown could not be immediately determined. The technician was unable to restart the system although breakers were not tripped. The system was left off pending further evaluation.



12/21/22 – An EAR foreman was onsite to evaluate the blower. Blower rotation was checked and found to spin freely. Following successful operation of the blower in “hand,” the cause of system failure was traced to the motor starter. A replacement starter was ordered with approval from NYSDEC.

Total system uptime for December 2022 is 53%.

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

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)



TABLES

Table 1: System Monitoring Log

