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ENVIRONMENTAL  
ASSESSMENT &  
REMEDIATIONS

July 5, 2023

Jolene Lozewski, P.G.  
New York State Department of Environmental Conservation  
625 Broadway, 12<sup>th</sup> 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 June 2023.

**Routine Operation & Maintenance**

Routine O&M activities were conducted on 6/5/23. 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**

**6/5/23** – EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site.

Total system uptime for June 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 May 2023, system air samples were not collected during the June 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



Date/Time	Flow (cfm)				Vacuum (H <sub>2</sub> O)				PID (ppm)				Vacuum (H <sub>2</sub> O)				Pre-Blower		Post Blower				Moist-Sep	System Runtime							
	RW-1S	RW-2S	RW-3S	RW-4S	RW-1S	RW-2S	RW-3S	RW-4S	RW-1S	RW-2S	RW-3S	RW-4S	SV-1	SV-2	SV-3	SS-1	SS-2	Vac (H <sub>2</sub> O)	Flow (cfm)	Press. (H <sub>2</sub> O)	Flow (cfm)	PID (ppm)	Temp (F)	Vac (H <sub>2</sub> O)	HR Meter	Date & Time	HR Meter Diff.	Hrs Since Last Visit	Percentage Uptime Since Last Visit	Percentage Uptime Month	
4/6/2020	30	45	45	10	-14	-7	-8	-18	6	0.4	0	0	0	0	0	-	-	-30	200	-	190	0.3	80	-30	-	-	-	-	-	-	-
4/14/2020	30	65	65	10	-14	-7	-14	-18	0.2	0.1	0.5	0	0	0	0	-	-	-30	200	0	200	0.4	100	-32	-	-	-	-	-	-	-
4/20/2020	30	65	65	5	-16	-6	-8	-16	0	0.1	0	0	-0.25	-0.17	-0.67	-	-	-28	170	2	205	0	92	-26	-	-	-	-	-	-	-
4/27/2020	25	65	65	20	-15	-7	-8	-17	0.2	0.3	0.6	0	-0.1	0	-0.1	-	-	-30	200	0	200	0.5	100	-22	-	-	-	-	-	-	-
April 2020 Avg.	28.8	60	60	11.3	-14.8	-6.8	-9.5	-17.3	1.6	0.23	0.28	0	-0.088	-0.043	-0.193	-	-	-29.5	192.5	0.7	198.8	0.3	93	-27.5	-	-	-	-	-	-	-
5/4/2020	24	70	70	10	-8	-7	-8	-14	0.2	0.4	0.6	0	-0.1	0	-0.1	-	-	-30	200	2	190	0.5	100	-35	-	-	-	-	-	-	-
5/14/2020	31	72	68	5	-16	-6	-8	-17	0	0	0	0	-1.4	-0.4	-0.3	-	-	-28	168	3.7	182	0	94	-26	-	-	-	-	-	-	-
5/21/2020	-	65	65	20	-	-6	-7	-16	-	-	-	-	0	-0.7	0	-	-	-28.5	168	3.4	175	0	108	-23	-	-	-	-	-	-	-
5/26/2020	30	71	68	19	-14	-6	-8	-16	0	0	0	0	-0.8	-0.12	-1.2	-	-	-30	168	2.8	182	0	104	-26	-	-	-	-	-	-	-
May 2020 Avg.	28.3	69.5	67.8	13.5	-12.7	-6.3	-7.8	-15.8	0.07	0.13	0.20	0	-0.575	-0.305	-0.400	-	-	-29.1	176	3.0	182.3	0.1	102	-27.5	-	-	-	-	-	-	-
6/2/2020	29	64	69	14	-14	-6	-8	-16	0	0	0	0	-0.7	-0.39	-0.94	-	-	-28	168	2.7	198	0	106	-26	-	-	-	-	-	-	-
6/8/2020	30	60	65	15	-13.5	-6	-7.5	-15	0	0	0	0	-0.5	0.2	-7.4	-	-	-27	150	3.13	175	0	116	-28	-	-	-	-	-	-	-
6/17/2020	30	68	70	17	-14	-5	-8	-16	0	0	0	0	-0.035	-0.068	-0.12	-	-	-28	168	2.9	178	0	108	-26	-	-	-	-	-	-	-
6/22/2020	32	68	70	18	-14	-5	-8	-16	0.1	0.5	0.6	0.1	-0.5	-1.35	-1.44	-	-	-28	170	2.9	188	0.4	118	-26	-	-	-	-	-	-	-
6/29/2020	33	68	68	17	-14	-5	-8	-16	0.1	0.5	0.7	0	-0.45	-0.9	-1.2	-	-	-28	168	2.9	176	0.5	122	-26	-	-	-	-	-	-	-
June 2020 Avg.	30.8	65.6	68.4	16.2	-13.9	-5.4	-7.9	-15.8	0.04	0.2	0.26	0.02	-0.437	-0.502	-0.732	-	-	-27.8	164.8	2.906	183	0.18	114	-26.4	-	-	-	-	-	-	-
7/6/2020	28	70	76	15	-13.5	-5	-6	-15	0	0	0	1	0	0	-0.1	-	-	-27	150	2.3	155	13	126	-24	-	-	-	-	-	-	-
7/13/2020	35	45	45	25	-14	-5	-8	-16	0	0.2	0.6	0	0	0	0	-	-	-28	180	0	180	0	120	-25	-	-	-	-	-	-	-
7/20/2020	33	70	68	14	-16	-5	-8	-16	0	0.2	0.3	0	-0.34	0.13	-22.1	-0.13	-0.14	-28	169	2.6	178	0.2	130	-26	-	-	-	-	-	-	-
7/29/2020	31	69	71	14	-14	-6	-8	-16	0	0.2	0.4	0	-0.24	-2.04	-27.41	-0.12	-0.31	-28	170	1.9	180	0.9	128	-28	-	-	-	-	-	-	-
July 2020 Avg.	31.75	63.5	65	17	-14.38	-5.25	-7.5	-15.75	0	0.15	0.325	0.25	-0.145	-0.478	-12.403	-0.125	-0.225	-27.75	167.25	1.7	173.25	3.525	126	-25.75	-	-	-	-	-	-	-
8/4/2020	30	65	61	15	-12.3	-4.1	-6.2	-15.4	0	0	0	0	-0.9	-1.6	0	-	-	-29	172	3.1	175	0	122	-25	-	-	-	-	-	-	-
8/10/2020	30	67	70	14	-13	-6	-9	-16	0.1	0.3	0.1	0	-0.33	-1.8	-25.5	-0.15	-0.3	-27	168	2.1	170	0.2	126	-25	-	-	-	-	-	-	-
8/17/2020	30	67	72	17	-14	-6	-8	-16	0	0.2	0.4	0	-0.33	-0.5	-24.1	-0.21	-0.24	-28	168	2	175	0.7	120	-25	-	-	-	-	-	-	-
8/24/2020	30	68	70	17	-13.5	-6	-8	-16	0	0.1	0.1	0	-0.29	-0.83	-0.6	-0.01	-0.15	-28	170	1.9	180	0.2	122	-25	-	-	-	-	-	-	-
8/31/2020	31	69	72	18	-14	-6	-8	-16	0	0.2	1.4	0	-0.31	-0.98	-1.2	-0.22	-0.15	-28	171	2.2	180	1.0	118	-25	-	-	-	-	-	-	-
August 2020 Avg.	30.2	67.2	69	16.2	-13.36	-5.62	-7.84	-15.88	0.02	0.16	0.4	0	-0.432	-1.142	-10.28	-0.148	-0.21	-27.8	169.8	2.26	176	0.42	121.6	-25	-	-	-	-	-	-	-
9/14/2020	34	70	72	17	-14	-6	-8	-16	0.2	0.6	1.9	0	-0.48	-0.52	-0.46	-0.3	-0.19	-28	166	2.4	180	1.6	120	-26	-	-	-	-	-	-	-
9/28/2020	36	61	65	19	-11.8	-6.3	-5.3	-14.2	0	0.1	0	0	-0.13	-1.2	-0.45	-	-	-28	170	2.2	205	0.4	124	-25	-	-	-	-	-	-	-
September 2020 Avg.	35	65.5	68.5	18	-12.9	-6.15	-6.65	-15.1	0.1	0.35	0.95	0	-0.305	-0.82	-0.455	-0.3	-0.19	-28	168	2.3	192.5	1	122	-25.5	-	-	-	-	-	-	-
10/12/2020	28	70	65	18	-14	-7	-8	-16	0	0.1	0.2	0	-0.35	-1.1	-0.68	-0.17	-0.2	-27	170	2.1	185	0.3	100	-24	-	-	-	-	-	-	-
10/26/2020	27	70	72	16	-14	-6	-9	-15	0	0.2	0.1	0	-0.8	-1.1	-0.75	-0.19	-0.17	-27	175	2	181	0.1	112	-26	-	-	-	-	-	-	-
October 2020 Avg.	27.5	70	68.5	17	-14	-6.5	-8.5	-15.5	0	0.15	0.15	0	-0.575	-1.1	-0.715	-0.18	-0.185	-27	172.5	2.05	183	0.2	106	-25	-	-	-	-	-	-	-
11/9/2020	33	70	68	15	-16	-6	-9	-17	0	0	0	0	-1.02	-1.11	-0.89	-0.11	-0.12	-30	178	3.5	182	0	102	-26	-	-	-	-	-	-	-
11/23/2020	35	67	72	14	-16	-6	-8	-18	0	0	0.3	0	-1.11	-0.8	-0.5	-0.18	-0.11	-30	177	3.2	175	0.1	100	-27	-	-	-	-	-	-	-
November 2020 Avg.	34	68.5	70	14.5	-16	-6	-8.5	-17.5	0	0	0.15	0	-1.065	-0.955	-0.695	-0.145	-0.115	-30	177.5	3.35	178.5	0.05	101	-26.5	-	-	-	-	-	-	-
1/4/2021	16	60	62	14	-8	-4	-8	-10	0	0	0	0	-0.36	-0.31	-0.34	-0.09	-0.08	-18	200	1.1	240	0	72	-16	-	-	-	-	-	-	-
1/18/2021	18	65	69	21	-10	-5	-7.5	-13	0	0	0	0	-1.01	-0.8	-0.99	-0.1	-0.11	-24	220	0.9	228	0	79	-20	-	-	-	-	-	-	-
January 2021 Avg.	17	62.5	65.5	17.5	-9	-4.5	-7.75	-1.5	0	0	0	0	-0.685	-0.555	-0.665	-0.095	-0.095	-21	210	1	234	0	75.5	-18	-	-	-	-	-	-	-
2/5/2021	39	65	65	47	-15	-9	-5	-10	-	-	-	-	-	-	-	-	-	-37	210	-	220	-	80	-	-	-	-	-	-	-	-
2/16/2021	39	70	68	47	-15	-5	-9	-10	0.1	0	0.6	0.2	-2.01	-0.89	-1.88	-0.09	-0.15	-37	210	1.2	221	0.4	80	-30	-	-	-	-	-	-	-
February 2021 Avg.	39	67.5	66.5	47	-15	-7	-7	-10	0.1	0	0.6	0.2	-2.01	-0.89	-1.88	-0.09	-0.15	-37	210	1.2	220.5	0.4	80	-30	-	-	-	-	-	-	-
3/1/2021	35	70	72	44	-15	-6	-8	-10	0	0.1	0.4	0	-0.88	-1.1	-0.99	-0.08	-0.07	-38	210	1.9	210	0.3	88	-30	-	-	-	-	-	-	-
3/15/2021	37	70	72	47	-16	-6	-9	-10	0.1	0.7	0.2	0.3	-1.1	-1.3	-0.95	-0.07	-0.06	-38	224	1.9	238	0.3	79	-34	-	-	-	-	-	-	-
3/29/2021	37	70	71	48	-16	-6	-8	-10	0.7	3.6	1.1	0.3	-1.2	-0.8	-0.99	-0.1	-0.09	-38	210	2.4	230	5.2	98	-30	-	-	-	-	-	-	-
March 2021 Avg.	36.3	70.0	71.7	46.3	-15.7	-6	-8.3	-10	0.3	1.5	0.6	0.2	-1.06	-1.07	-0.98	-0.08	-0.07	-38	214.7	2.1	226	1.9	88.3	-31.3	-	-	-	-	-	-	-
4/12/2021	36	71	74	44	-16	-7	-8	-10	0.2	0.1	0.4	0.3	-1.11	-0.68	-0.9	-0.1	-0.11	-39	211	1.8	214	0.5	92	-42	-	-	-	-	-	-	-
4/26/2021	36	67	72	47	-16	-6	-8	-11	1.2	72.4	19.5	1.6	-1.11	-0.9	-0.78	-0.2	-0.18	-40	210	2.2	224	68.1									