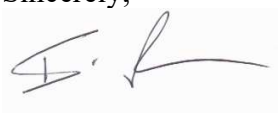

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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

July 31, 2024

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 July 2024.

Routine Operation & Maintenance

Routine O&M activities were conducted on 7/18/24. 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

7/18/24 - EAR was onsite to conduct routine O&M. The system was operating upon arrival to and departure from the site. No condensate was observed in the moisture separator tank. The site data information sheet for 7/18/24 is provided in Appendix A.

Total system uptime for July 2024 is 100%.

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

System Air Sampling

System air sampling was last conducted on 5/15/24. No system air samples were collected for laboratory analysis during this reporting period.

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:
S. Bogardus (DOH)
J. Lawrence (EAR)

TABLES

Table 1: System Monitoring Log

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

SVE System Data Log

	Flow (cfm)				Vacuum ("H2O)				PID (ppm)				Vacuum ("H2O)					Pre-Blower		Post Blower				Moist-Sep	System Runtime						
Date/Time	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 ("H2O)	Flow (cfm)	Press. ("H2O)	Flow (cfm)	PID (ppm)	Temp (F)	Vac ("H2O)	Hr Meter	Date & Time	HR Meter Diff.	Hrs Since Last Visit	Percentage Uptime Since Last Visit	Percentage Uptime by 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	-144	-	-	-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	-30.732	-	-	-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	-	-	-28	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	-1.12	-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	94	-32	-	-	-	-	-	-	
April 2021 Avg.	36.0	69.0	73.0	45.5	-16.0	-6.5	-8.0	-10.5	0.7	36.3	10.0	0.95	-1.11	-0.79	-0.84	-0.15	-0.15	-39.5	210.5	2.0	219	34.3	93.0	-37.0	-	-	-	-	-	-	
5/10/2021	28	65	72	14.5	-15.6	-3.9	-7.6	-9.5	0	0	0	0	-	-0.54	-0.42	-	-	-33	208	2	220	0	99	-16	-	-	-	-	-	-	
5/24/2021	39	74	72	50	-17	-4	-9	-11	0.2	0	0.1	0	-1.11	-0.9	-1.2	-0.11	-0.08	-40	210	2.1	225	0.3	106	-34	-	-	-	-	-	-	
May 2021 Avg.	33.5	69.5	72.0	32.3	-16.3	-3.95	-8.3	-10.25	0.1	0	0.1	0	-1.11	-0.72	-0.81	-0.11	-0.08	-36.5	209.0	2.1	222.5	0.2	102.5	-25.0	-	-	-	-	-	-	
8/17/2021	26	60	70	40	-12	-5	-6	-8	3.8	3.8	3.7	3.8	-	-	-	-		-28	200	0	200	4.2	110	-22	-	-	-	-	-	-	
8/31/2021	26	63	70	39	-12	-6	-7	-9	0.2	0.1	1.1	0.7	-1.1	-0.9	-1.2	-0.11	-0.12	-28	168	2.5	182	0.8	102	-22	-	-	-	-	-	-	
August 2021 Avg.	26.0	61.5	70.0	39.5	-12.0	-5.5	-6.5	-8.5	2.0	2	2.4	2.25	-1.1	-0.90	-1.20	-0.11	-0.12	-28	184.0	1.3	191	2.5	106.0	-22.0	-	-	-	-	-	-	
9/13/2021	27	66	72	35	-13	-6	-8	-9	0.1	0.2	0	0.3	-1.4	-0.7	-1	-0.1	-0.12	-28	170	2.2	185	0.9	100	-23	-	-	-	-	-	-	
9/29/2021	26	63	72	39	-13	-5	-7	-8	0.2	0.7	0	0.4	-1.1	-0.88	-0.61	-0.14	-0.12	-27	170	2.1	182	0.9	85	-23	-	-	-	-	-	-	
Sept. 2021 Avg.	26.5	64.5	72.0	37.0	-13.0	-5.5	-7.5	-8.5	0.2	0.5	0.0	0.35	-1.25	-0.79	-0.81	-0.12	-0.12	-27.5	170.0	2.2	183.5	0.9	92.5	-23.0	-	-	-	-	-	-	
10/13/2021	28	65	70	40	-13	-6	-7	-10	0.2	0.1	1	0.8	-1.5	-0.9	-1	-0.1	-0.12	-27	170	2.7	177	1.2	97	-22	-	-	-	-	-	-	
10/25/2021	31	65	72	36	-13	-7	-7	-10	0.1	1.2	1	0.4	-1.1	-1.2	-0.9	-0.12	-0.14	-29	170	2.4	180	1.2	97	-21	-	-	-	-	-	-	
October 2021 Avg.	29.5	65.0	71.0	38.0	-13.0	-6.5	-7.0	-10	0.2	0.7	1.0	0.6	-1.3	-1.05	-0.95	-0.11	-0.13	-28	170.0	2.6	178.5	1.2	97.0	-21.5	-	-	-	-	-	-	
11/10/2021	24	65	73	42	-15	-6	-8	-9	0	0.7	1.2	0.2	-1.1	-0.98	-1.2	-0.16	-0.14	-30	180	2.1	175	1.1	86	-22	-	-	-	-	-	-	
11/23/2021	20	65	70	40	-15	-5	-8	-8	0.3	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	-30	180	0	180	0.6	50	-30	-	-	-	-	-	-	
November 2021 Avg.	22.0	65.0	71.5	41.0	-15.0	-5.5	-8.0	-8.5	0.2	1.0	1.2	0.4	-0.55	-0.49	-0.60	-0.08	-0.07	-30	180.0	1.1	177.5	0.9	68.0	-26.0	-	-	-	-	-	-	
12/9/2021	28	64	70	41	-15	-6	-8	-9	0.1	1.1	1.2	0.8	-1	-1.1	-0.9	-0.1	-0.12	-30	175	2.1	180	0.9	80	-12	-	-	-	-	-	-	
12/21/2021	20	65	70	40	-15	-5	-7	-8	0.3	0.2	0.2	0	0.0	0.0	0.0	0.0	0.0	-30	200	0	200	0.1	50	-10	-	-	-	-	-	-	
December 2021 Avg.	24.0	64.5	70.0	40.5	-15.0	-5.5	-7.5	-8.5	0.2	0.7	0.7	0.4	-0.5	-0.55	-0.45	-0.05	-0.06	-30	187.5	1.1	190	0.5	65.0	-11.0	-	-	-	-	-	-	
1/3/2022	32	63	71	44	-15	-7	-8	-9	0	0	0.5	0.2	-1.1	-0.98	-1.2	-0.1	-0.12	-29	177	2.2	180	0.3	75	-13	-	-	-	-	-	-	
1/18/2022	34	70	74	48	-16	-6	-9	-10	1.4	0.2	0	0.4	-1.2	-1.0	-0.8	-0.1	-0.2	-28	174	2	180	1.1	68	-14	-	-	-	-	-	-	
January 2022 Avg.	33.0	66.5	72.5	46.0	-15.5	-6.5	-8.5	-9.5	0.7	0.1	0.3	0.3	-1.15	-0.98	-0.99	-0.11	-0.14	-28.5	175.5	2.1	180	0.7	71.5	-13.5	-	-	-	-	-	-	
2/3/2022	32	68	71	45	-18	-7	-10	-12	1.1	0	0	0	-	-	-	-	-	-22	165	2	180	1	58	-12	0	2/3/2022 11:15	-	-	-	February	98%
2/18/2022	26	64	70	40	-14	-7	-8	-10	0	0.1	0	0	-1.1	-0.98	-0.9	-0.14	-0.12	-30	170	1.8	170	0	-	-12	343	2/18/2022 9:52	343.0	358.6	96%		
February 2022 Avg.	29.0	66.0	70.5	42.5	-16.0	-7	-9.0	-11	0.6	0.1	0.0	0	-1.1	-0.98	-0.90	-0.14	-0.12	-26	167.5	1.9	175	0.5	58.0	-12.0	-	-	-	-	-		
3/10/2022	26	62	65	37	-14	-6.5	-7	-9.5	0	9.5	0	0	-0.25	-2.7	-0.26	-0.17	-0.09	-30	180	4.4	182	0.1	77	-17	785.3	3/10/2022 10:06	442.3	480.2	92%	March	95%
4/4/2022	26	65	15.1	29	-14	-7	-8	-9	0	0.9	0	0	-0.78	-0.82	-1.1	-0.16	-0.18	28	180	4.4	185	0.8	90	-14	1294.5	4/4/2022 12:51	509.2	602.8	84%	April	87%
5/3/2022	18	65	74	41	-17	-7	-8	-9	0	0	0	0	-0.9	-0.99	-1.1	-0.11	-0.15	-30	180	1.9	188	0	101	-13	1988.4	5/3/2022 10:45	693.9	693.9	100%	May	98%
5/18/2022	28	65	73	40	-14	-6	-7	-9	0	0	0	0	-0.9	-1.1	-1.12	-0.14	-0.13	-30	180	1.7	185	0	91	-13	2332.4	5/18/2022 9:10	344.0	358.4	96%		
6/13/2022	28	64	75	40	-14	-6	-8	-9	0	0	0.1	0.1	-1.22	-0.91	-0.97	-0.1	-0.14	-28	175	1.8	180	0.1	106	-13	2957	6/13/2022 9:49	624.6	624.7	100%	June	100%
7/11/2022	27	65	71	37	-15	-7	-8	-9	0	0.1	0.1	0	-1	-0.9	-0.98	-0.1	-0.12	-28	175	2	180	0.1	109	-14	3630.5	7/11/2022 11:22	673.5	673.5	100%	July	95%
8/1/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4083	8/1/2022 11:41	452.5	504.3	90%	August	88%
8/11/2022	30	65	71	39	-13	-6	-7	-8	0	1.1	0.8	0	-1.02	-0.9	-0.88	-0.15	-0.17	-28	180	2	180	1	109	-14	4230.7	8/11/2022 10:52	147.7	239.2	62%		
9/2/2022	28	64	65	39	-12.5	-6	-7	-8.5	0.1	0.7	0.4	1	-1.1	-1.1	-0.9	-0.12	-0.16	-27	185	4.6	190	1.3	106	-23.5	4759.4	9/2/2022 11:34	528.7	528.7	100%	September	100%
10/3/2022	28	65	70	39	-13	-7	-8	-9.5	4.1	12.2	10.4	18.2	-1.02	-0.88	-0.7	-0.14	-0.12	-30	185	1.7	190	6.4	88	-18	5502.5	10/3/2022 10:44	743.1	743.2	100%	October	100%
11/1/2022	32	66	72	39	-14	-6	-8	-9	0.1	0.9	0.8	0.4	-1.1	-0.88	-0.69	-0.12	-0.14	-30	170	2	180	0.7	90	-15	6198.1	11/1/2022 10:18	695.6	695.6	100%	November	85%
11/18/2022	28	64	71	39	-15	-7.5	-8	-9	0.2	0	0	0	-0.88	-0.9	-0.61	-0.12	-0.13	-32	180	2.2	185	0.1	75	-16	6571.1	11/18/2022 7:00	373.0	404.7	92%		
11/23/2022	30	62	70	34	-14.5	-7	-8.5	-10.5	0	0.3	0.02	0.2	-0.11	-0.2	-0.9	-1.2	-1.1	-29	175	1.3	180	0.1	82	-14	6618.8	11/23/2022 11:39	47.7	124.7	38%		
12/13/2022	28	64	70	19	-14	-7	-8	-10	0	0.2	0	0	-0.96	-0.98	-1.02	-0.12	-0.13	-31	175	1.7	180	0.1	70	-14	7076	12/13/2022 9:15	457.2	477.6	96%	December	53%
12/19/2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7148	12/19/2022 8:25	72.0	143.2	50%		
1/18/2023	30	65	65	30	-14	-7.5	-8	-11	0.3	0.3	0.4	0.3	-1.1	-1.1	-1.2	-0.12	-0.16	-30	165	5.3	180	0.4	80	-25	7148	1/18/2023 12:45	0.0	724.3	0%	January	43%
2/14/2023	23	60	66	30	-21	-9.2	-8.2	-20.6	3.1	4.3	3.8	2.4	-0.4	0	0	-	-	-23.5	170	-	184	3.6	90	-27.5	7841.1	2/14/2023 9:45	693.1	645	107%	February	100%
3/13/2023	33	73	61	28	-12.8	-6.7	-7.4	-16.7	0.1	0.1	0.1	0.3	-0.1	0	0	-	-	-33	170	2.7	188	0.2	80	-32	7148.1	3/13/2023 8:30	-693	646.7	100%	March	100%
4/12/2023	37	71	74	18	-16	-8	-9	-19	0	0.2	0.1	0	-1.02	-0.98	-1.1	-0.12	-0.13	-30	175	1.6	180	0.2	92	-26	7819.1	4/12/2023 10:46	671	722.3	100%	April	100%
5/16/2023	35	72	74	20	-16	-8	-9	-18	0	0	0	0	-1.02	-0.88	-1.21	-0.18	-0.2	-30	170	2.1	185	0	108	-25	8636.7	5/16/2023 12:23	817.6	817.6	100%	May	100%
6/5/2023	37	68	18	14	-6.2	-7.7	-6.9	-17	0.8	1	1.4	1.2	2.31	-1.18	-0.68	-	-	-31	165	3.6	188	0.4	97	-28	not recorded		-	-	100%	June	100%
7/11/2023	36	62	70	13	-8	-7.1	-7.4	-16.1	0	0.4	0	0	-1.09	-0.98	-0.57	-	-	-31	160	2.7	190	0	106	-28	9977.3	7/11/2023 8:45	1340.6	1340.4	100%	July	100%
8/8/2023	37	64	67	12	-12.7	-7.4	-6.9	-16	0	0	0	0	-0.88	1.4	-0.54	-	-	-29.5	175	3.4	190	0.8	104	-27	10648.9	8/8/2023 8:00	671.6	671.3	100%	August	91%
8/9/2023	40	70	68	20	-15	-10	-8	-18	-	-	-	-	-	-	-	-	-	-30	180	-	190	-	98	-27	10664.1	8/9/2023 11:38	15.2	27.6	55%		
8/23/2023	39	65	65	15	-16	-9	-10	-18	0	0	0	0	-	-	-	-	-	-32	175	0	175	0	100	-12	10977.2	8/23/2023 9:30	313.1	333.9	94%		
9/7/2023	38	62	70	15	-12.3	-7.6	-7	-15.6	0.1	0	0.2	0	-1.07	-2.25	0.12	0	-0.09	-28	165	3.9	175	0.4	110	-26.5	11336	9/7/2023 8:30	358.8	359.0	100%	September	100%
10/3/2023	39	74	70	19	-17	-10	-10	-18	0.2	1	0	0	-1.2	-0.61	-1.02	-0.18	-0.12	-31	172	2.3	178	1.2	100	-25	11957.9	10/3/2023 6:06	621.9	621.6	100%	October	100%
11/10/2023	29	70	72	18	-17	-10	-10	-20	0.3	0.9	0.6	0	-0.49	-0.72	-0.6	-0.12	-0.19	-32	180	1.9	180	0.7	84	-26	12872	11/10/2023 7:15	914.1	913.2	100%	November	100%
12/4/2023	33	70	74	19	-17	-15	-10	-22	0	0.3	0.4	0.1	-0.69	-0.7	-0.61	-0.12	-0.11	-32	175	1.9	180	0.3	NR	-22	13449.5	12/4/2023 8:47	577.5	577.5	100%	December	99%
12/15/2023	37	74	72	18	-17	-10	-11	-20	0.2	0.1	0.4	0	-0.9	-0.7	-0.68	-	-	-32	175	2.2	180	0.1	78	-16	13704.5	12/15/2023 11:15	255	266.5	96%		
1/5/2024	40	75	72	19	-18	-11	-10	-20	0	0.5	0.3	0	-0.8	-0.67	-0.75	-0.12	-0.14	-30	170	2.1	175	0.4	80	-20	14182.7	1/5/2024 11:32	478.2	504.3	95%	January	97%
1/19/2024	37	74	70	20	-18	-12	-11	-21	0.1	1.2	1.4	0	-0.7	-0.64	-0.81	-0.12	-0.14	-33	170	2.4	175	1.2	72	-25	14514.5	1/19/2024 7:23	331.8	331.8	100%		
2/2/2024	15	70	74	20	-25	-12	-12	-24	0.2	1.1	0	0	-0.69	-0.8	-0.74	-0.12	-0.11	-36	170	2.3	175	0.6	88	-32	14850.9	2/2/2024 7:48	336.4	336.4	100%	February	93%
2/20/2024	37	64	45	9	-8.03	-8.75	-14	-13.5	0.2	0	0.1	0	-0.89	-1.07	-0.57	-	-	-32	183	3.2	190	0.2	70	-28	15283.2	2/20/2024 8:05	432.3	432.3	100%		
2/27/2024	35	69	74	20	-18	-10	-11	-22	0	0.4	0.1	0	-	-	-	-	-	-32	175	2.6	180	0.2	70	-28	15400.8	2/27/2024 9:20	117.6	169.3	69%		
3/5/2024	32	68	54	23	-18	-11	-10	-18.3	0	0	0	0	-0.1	0	0	0	0	-33	170	0.5	170	1.5	83	-26	15573.2	3/5/2024 13:30	172.4	172.2	100%	March	100%
3/21/2024	33	70	74	20	-19	-12	-11	-21	0.2	0	0.4	0.3	-0.7	-0.89	-0.9	-0.1	-0.12	-33	175	2.2	180	0.2	88	-26	15952.9	3/21/2024 11:00	379.7	381.5	99%		
4/3/2024	30	52	49	11	-17	-9	-9	-19	0	0.1	0	0.1	0.94	water	-0.49	-	-	-32	185	2.4	158	0.1	80	-29	16263.6	4/3/2024 10:25	310.7	311.4	100%	April	95%
4/5/2024	28	70	74	18	-19	-12	-12	-22	0	0.1	0.2	0.1	-0.8	-0.69	-0.71	-0.12	-0.14	-33	170	2.4	180	0.1	80	-28	16275.6	4/5/2024 9:32	12	47.1	25%		
4/18/2024	26	70	72	19	-22	-12	-11	-24	0	1.4	0	0	-0.69	-0.8	-0.91	-0.14	-0.13	-35	175	2.4	180	0.4	86	-29	16590.4	4/18/2024 12:50	314.8	315.3	100%		
5/15/2024	28	72	75	18	-20	-12	-11	-22	0	0.2	0	0	-0.69	-0.8	-0.77	-0.12	-0.14	-34	175	1.4	180	0.1	100	-28	17235.5	5/15/2024 10:03	645.1	645.2	100%	May	100%
6/12/2024	28	74	72	18	-22	-12	-14	-24	0	0.2	0.1	0	-0.77	-0.8	-0.69	-0.12	-0.14	-33	175	2.2	180	0.1	104	-28	17907.2	6/12/2024 9:39	671.7	671.6	100%	June	100%
7/18/2024	31	72	70	18	-20	-12	-13	-22	0	0.1	0.3	0	-0.69	-0.78	-0.7	-0.12	-0.14	-34	175	2	180	0.1	109	-30	18768.8	7/18/2024 7:16	861.6	861.6	100%	July	100%

Appendix A: Site Data Information Sheets

130088
123 POST AVENUE
WESTBURY, NY 11590

O&M CHECKLIST - SVE SYSTEM

Date: 7/18/24 **Inspected By:** JB

	Arrival	Departure
System:	[✓ On] / Off	[✓ On] / Off
SVE Vacuum Relief Valve:	Open / [✓ Closed]	Open / [✓ Closed]
Hour Meter (Hours):	18768.8 @ 7:16	

SVE SYSTEM

Liquid Present in Moisture Separator? Amount?	Yes / [✓ No]	
Moisture Separator Emptied?	Yes / [✓ No]	
Moisture Disposal Drum	F / 75 / [✓ 50] / 25 / E	
Particulate Filter Inspected?	[✓ Yes] / No	
Particulate Filter Require Cleaning or Replacement?	Yes / [✓ No]	
Condition of SVE Shed?	good	
Vegetation Require Maintenance?	[✓ Yes] / No	
Any Evidence of System Tampering, Vandalism or Damage?	Yes / [✓ No]	
Exhaust Stack in Good Condition?	[✓ Yes] / No	

SVE WELL READINGS

SVE Well #	Air Flow (cfm)	Vacuum ("H2O)	PID (ppm)	Flow Control (Ball) Valve	Condition of Well?
RW1-S	31	-80	0	[✓ O] / 75 / 50 / 25 / C	
RW2-S	72	-12	0.1	[✓ O] / 75 / 50 / 25 / C	
RW3-S	70	-13	0.3	[✓ O] / 75 / 50 / 25 / C	
RW4-S	18	-22	0	[✓ O] / 75 / 50 / 25 / C	

SVE MONITORING POINTS

	Vacuum ("H2O)		Vacuum ("H2O)	Notes
SV-1	-.69	SS-1	-.12	
SV-2	-.78	SS-2	-.14	
SV-3	-.70			

SVE SYSTEM DATA

	Moisture Separator	Pre-Blower (Influent)	Post-Blower (Effluent)	Notes
Vacuum ("H2O)	-30	-34		
Pressure ("H2O)			+2.0	
Air Flow (cfm)		175	180	
PID (ppm)			0.1	
Temp (F)		—	109	

CARBON SYSTEM DATA

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

SVE RADIUS OF INFLUENCE

Piezometer ID	Vacuum ("H2O)	Notes
MW-1	-1.04	
MW-2	—	
MW-3	—	

Attached Photographs