

Prepared By: Peter Rath sack

<b>NYSDEC BCP Site No:</b>	C224219	<b>Date:</b>	07/10/2023
<b>Project Name:</b>	450 Union Street	<b>Weather:</b>	Overcast, 70-85 °F
<b>Client:</b>	2201 Union LLC	<b>Time:</b>	7:00 – 14:00

**Personnel On-Site:**

Environmental Consultant: Vektor Consultants – Peter Rath sack, Ezgi Karayel

GZA: Dan Tessar

Coastal Environmental Solutions - Patrick Slavin, Jay Rosser

WSP: Brian Jessourian

**Work Activities Performed:**

- Vektor mobilized to the site to oversee the grossly contaminated media (GCM) delineation as per the Remedial Site Optimization Work Plan (RSOWP) along with Coastal Environmental Solutions (driller), and GZA (National Grid's environmental consultant).
- The locations for DB1-MW-1D, DB1-MW-1S, and DB4-MW-4D were measured and marked in accordance with the RSOWP and with guidance from DEC.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB1-MW-1D. DB1-MW-1D was installed with a 2-inch riser PVC pipe and 0.02-inch PVC slotted screen. DB1-MW-1D was installed to a depth of 80 feet bgs and screened between 70 and 80 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB1-MW-1S. DB1-MW-1S was installed with a 2-inch riser PVC pipe and 0.02-inch PVC slotted screen. DB1-MW-1S was installed to a depth of 15 feet bgs and screened between 5 and 15 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB4-MW-4D. DB4-MW-4D was installed with a 2-inch riser PVC pipe and 0.02-inch PVC slotted screen. DB1-MW-1D was installed to a depth of 62 feet bgs and screened between 52 and 62 feet bgs.
- All drilling fluid and spoils were placed into a 55-gallon drum at the Site for future off-site disposal.

**Samples Collected: N/A****Community Air Monitoring Program**

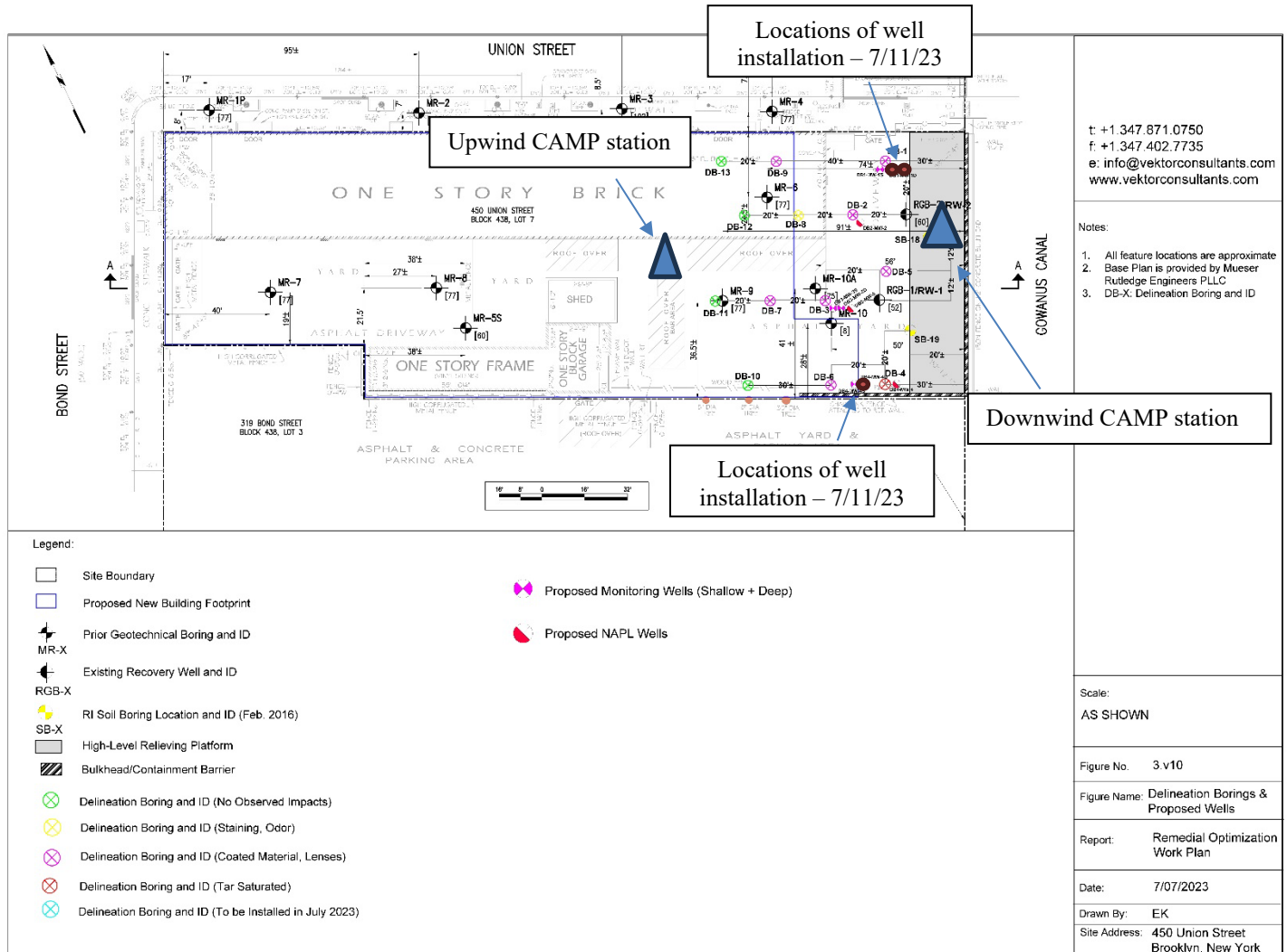
Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location. The PID in the Upwind CAMP station was reporting elevated levels of VOCs while the downwind remained unaffected. A separate handheld PID was used to screen the area and did not detect the presence of VOCs. It is believed that the PID was malfunctioning as no other evidence of VOCs were detected. No CAMP exceedances were observed.

**Problems Encountered**

N/A

**Planned Activities for the Next Day**

Continued installation of groundwater monitoring wells.

**SITE PLAN / WORK AREAS**

**PHOTO LOG**

Photo 1: View of upwind CAMP station and Coastal Environmental Solutions installing DB1-MW-1S and DB1-MW-1S.



Photo 2: View of DB1-MW-1S and DB1-MW-1D installed.





Photo 3: View of Coastal Environmental Solutions installing DB4-MW-4D.



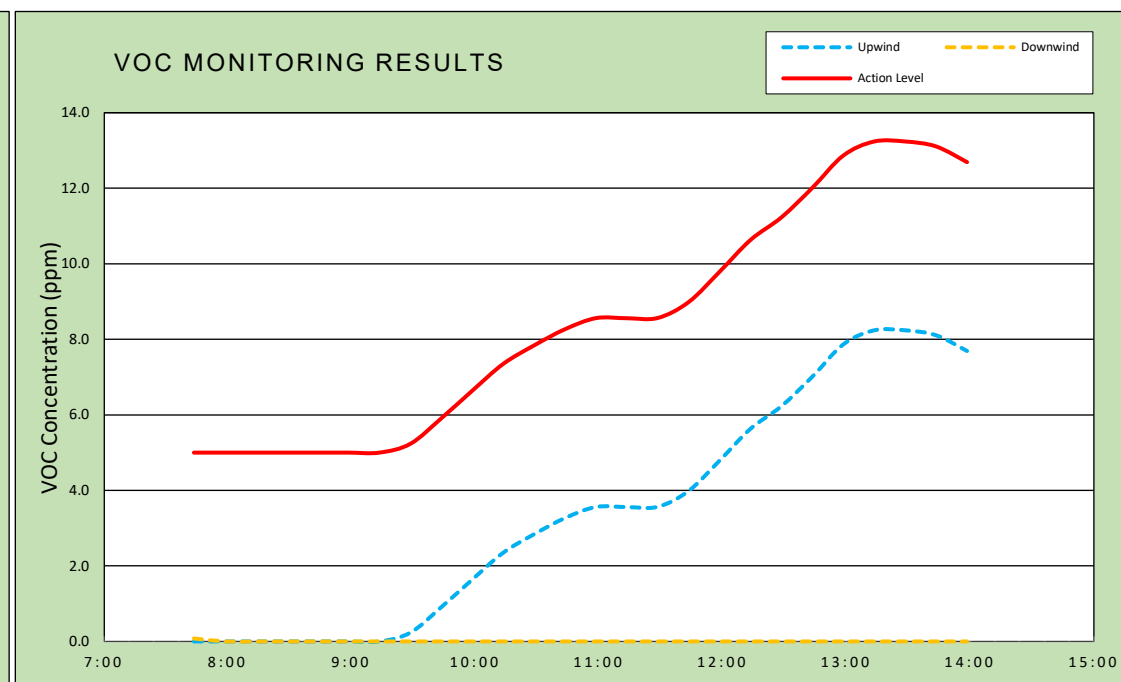
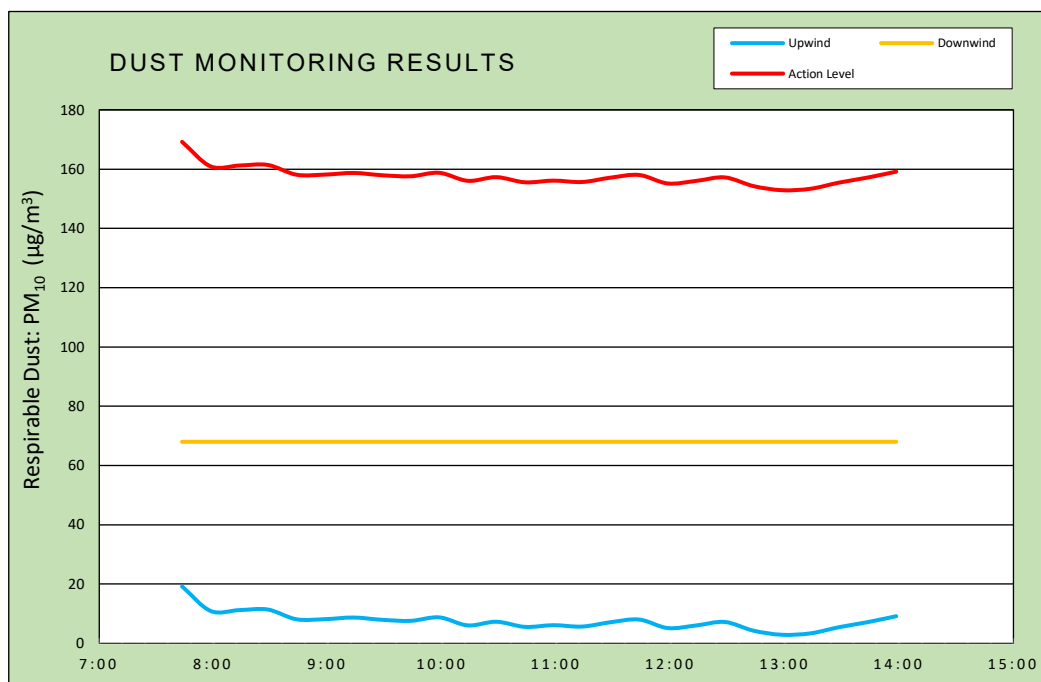
Photo 4: View of installed DB4-MW-4D.



vEktor consultants	<b>DAILY AIR MONITORING REPORT</b> <b>450 Union Street</b> <b>Brooklyn, New York</b>					07/10/2023	
						Rev. No. 0	Page 1 of 2
						Project Number:	
						Dust Action Level	150 $\mu\text{g}/\text{m}^3$
37 W. 37th St, 6th Floor - New York, NY						VOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	59.0 - 92.0	Daily Rain Total (in)	0.10	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	73.0 - 83.0	Wind Speed (MPH)	1.9 - 5.0	Barometer (inHg)	29.80 - 29.80	Avg. Dew Point Temp (°F)	68.8	

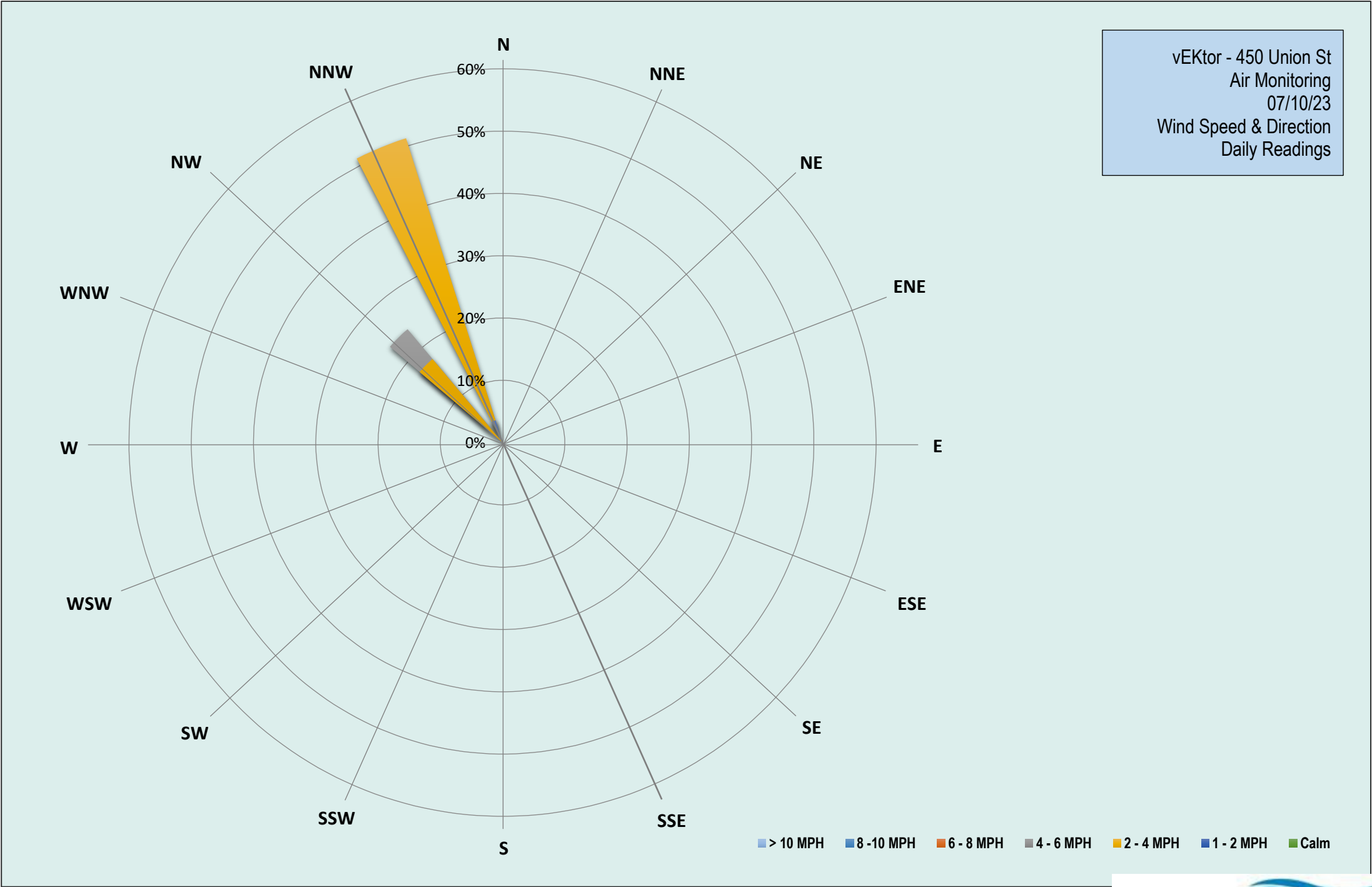
Station Location	Daily Avg. Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Max 15-Min Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	7.7	68.0	7:30	3.5	8.2	13:18
Downwind	68.0	68.0	7:30	0.0	0.2	7:30



**Air Monitoring Notes:**

**Weather Notes:**

vEKtor - 450 Union St  
Air Monitoring  
07/10/23  
Wind Speed & Direction  
Daily Readings



Monday, July 10, 2023				
Number of Instances Where Downwind Particulates				0
Number of Comparable Data Points =				26
Start Time:				7:44
End Time:				13:59
PARTICULATE DATA				
Upwind		Downwind		Exceeds Particulate Alarm Limit
Time	15-Min Avg Concentration (ug/m <sup>3</sup> )	Time	15-Min Avg Concentration (ug/m <sup>3</sup> )	
7:44	19.2	7:44	68.0	-
7:59	10.9	7:59	68.0	-
8:14	11.2	8:14	68.0	-
8:29	11.4	8:29	68.0	-
8:44	8.1	8:44	68.0	-
8:59	8.2	8:59	68.0	-
9:14	8.7	9:14	68.0	-
9:29	7.9	9:29	68.0	-
9:44	7.6	9:44	68.0	-
9:59	8.8	9:59	68.0	-
10:14	6.1	10:14	68.0	-
10:29	7.3	10:29	68.0	-
10:44	5.6	10:44	68.0	-
10:59	6.1	10:59	68.0	-
11:14	5.7	11:14	68.0	-
11:29	7.1	11:29	68.0	-
11:44	8.0	11:44	68.0	-
11:59	5.2	11:59	68.0	-
12:14	6.0	12:14	68.0	-
12:29	7.2	12:29	68.0	-
12:44	4.3	12:44	68.0	-
12:59	2.9	12:59	68.0	-
13:14	3.4	13:14	68.0	-
13:29	5.5	13:29	68.0	-
13:44	7.2	13:44	68.0	-
13:59	9.2	13:59	68.0	-

Exceedance  
Level

169.2  
160.9  
161.2  
161.4  
158.1  
158.2  
158.7  
157.9  
157.6  
158.8  
156.1  
157.3  
155.6  
156.1  
155.7  
157.1  
158.0  
155.2  
156.0  
157.2  
154.3  
152.9  
153.4  
155.5  
157.2  
159.2

Upwind DustTrak Data Summary		
Daily Maximum	68.0	ug/m <sup>3</sup>
Daily Minimum	2.0	ug/m <sup>3</sup>
Daily Average	7.7	ug/m <sup>3</sup>
Maximum 15-Minute Average	19.2	ug/m <sup>3</sup>

Downwind DustTrak Data Summary		
Daily Maximum	68.0	ug/m <sup>3</sup>
Daily Minimum	68.0	ug/m <sup>3</sup>
Daily Average	68.0	ug/m <sup>3</sup>
Maximum 15-Minute Average	68.0	ug/m <sup>3</sup>

Monday, July 10, 2023				
Number of Instances Where Downwind VOCs Exceeds				0
Number of Comparable Data Points =				0
Start Time:				7:44
End Time:				13:59
PID DATA				
Upwind		Downwind		Exceeds VOC Alarm Limit
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	
7:44	0.0	7:44	0.1	-
7:59	0.0	7:59	0.0	-
8:14	0.0	8:14	0.0	-
8:29	0.0	8:29	0.0	-
8:44	0.0	8:44	0.0	-
8:59	0.0	8:59	0.0	-
9:14	0.0	9:14	0.0	-
9:29	0.2	9:29	0.0	-
9:44	0.9	9:44	0.0	-
9:59	1.6	9:59	0.0	-
10:14	2.3	10:14	0.0	-
10:29	2.8	10:29	0.0	-
10:44	3.3	10:44	0.0	-
10:59	3.6	10:59	0.0	-
11:14	3.6	11:14	0.0	-
11:29	3.6	11:29	0.0	-
11:44	4.0	11:44	0.0	-
11:59	4.8	11:59	0.0	-
12:14	5.6	12:14	0.0	-
12:29	6.2	12:29	0.0	-
12:44	7.0	12:44	0.0	-
12:59	7.9	12:59	0.0	-
13:14	8.2	13:14	0.0	-
13:29	8.2	13:29	0.0	-
13:44	8.1	13:44	0.0	-
13:59	7.7	13:59	0.0	-

Exceedance Level

5.0  
5.0  
5.0  
5.0  
5.0  
5.0  
5.0  
5.2  
5.9  
6.6  
7.3  
7.8  
8.3  
8.6  
8.6  
8.6  
9.0  
9.8  
10.6  
11.2  
12.0  
12.9  
13.2  
13.2  
13.1  
12.7

Upwind PID Data Summary		
Daily Maximum	8.3	ppm
Daily Minimum	0.0	ppm
Daily Average	3.5	ppm
Maximum 15-Minute Average	8.2	ppm

Downwind PID Data Summary		
Daily Maximum	0.4	ppm
Daily Minimum	0.0	ppm
Daily Average	0.0	ppm
Maximum 15-Minute Average	0.1	ppm