vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/13/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 14:45

Personnel On-Site:
Environmental Consultant: Vektor Consultants – Peter Rathsack, Ezgi Karayel
GZA: Dan Tessar
Coastal Environmental Solutions - Patrick Slavin, Jay Rosser, Dylan Slavin
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 DB2-MW-2, DB9-MW-9S, DB9-MW-9D, and DB9-MW-9 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 DB2-MW-2. DB2-MW-2 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB2-MW-2 was installed to a depth of 37 feet bgs, screened between 25 and 32 feet bgs (i.e. GCM impacted interval) and included a 5-foot sump from 32 to 37.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB9-MW-9S. DB9-MW-9S was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB9-MW-9S 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 NAPL mobility well DB9-MW-9D. DB9-MW-9D was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB9-MW-9D was installed to a depth of 43 feet bgs and screened between 33 (bottom of GCM impact) and 43 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB9-MW-9. DB9-MW-9 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB9-MW-9 was installed to a depth of 38 feet bgs, screened between 30 and 33 feet bgs (i.e. GCM impacted interval) and included a 5-foot sump from 33 to 38.
- Coastal and Vektor developed monitoring wells DB1-MW-1S, DB1-MW-1D, DB1-MW-1, DB4-MW-4S, DB4-MW-4D, and DB4-MW-4 until the monitoring well reached equilibrium and turbidity of the purge water was measured to below 50 nephelometric turbidity units (NTUs).
    - During development of mobility well DB4-MW-4, sheening and NAPL was observed.
- 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.

Problems Encountered

N/A

Planned Activities for the Next Day

Continued installation and development of groundwater monitoring wells

SITE PLAN / WORK AREAS

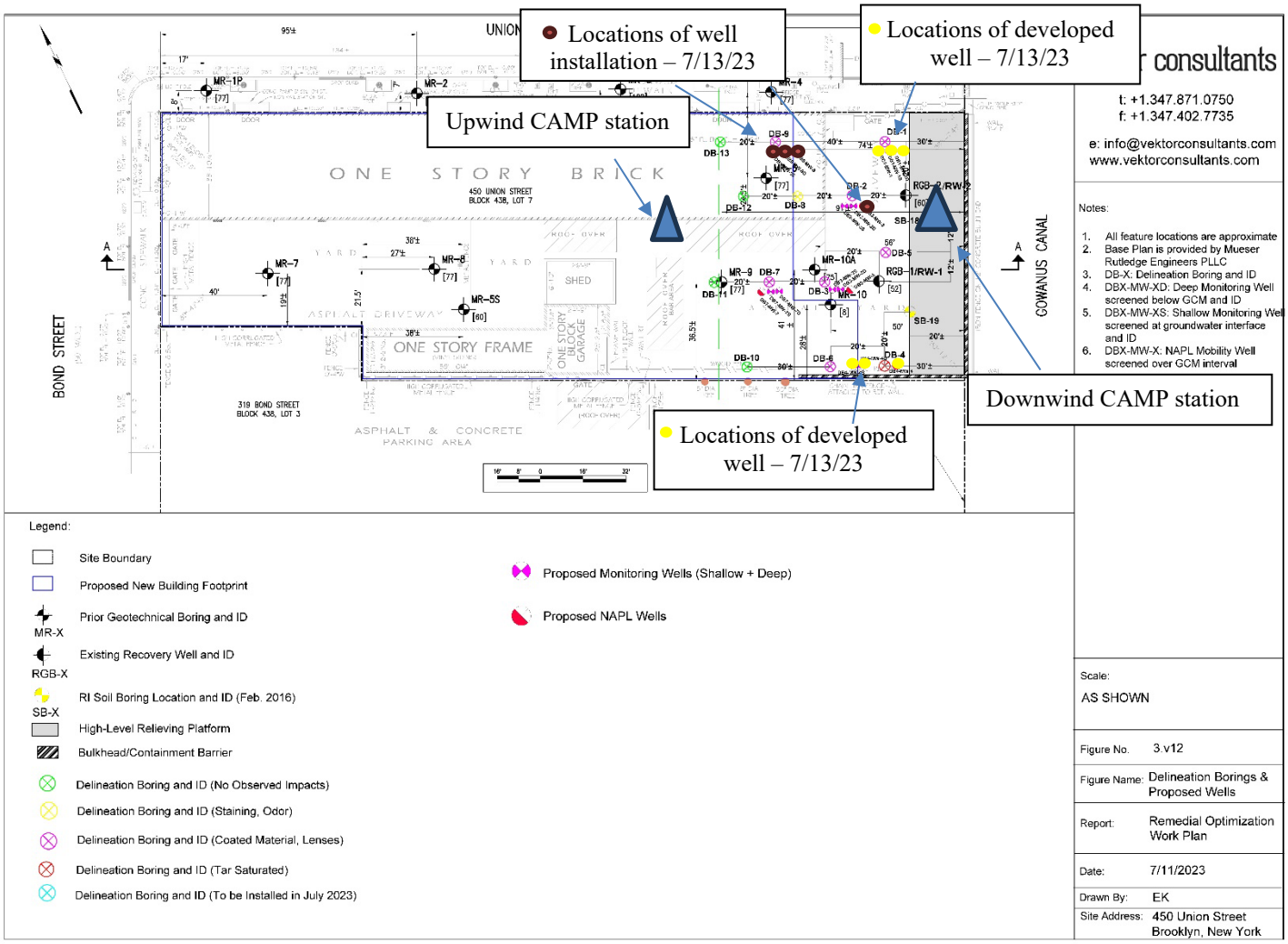
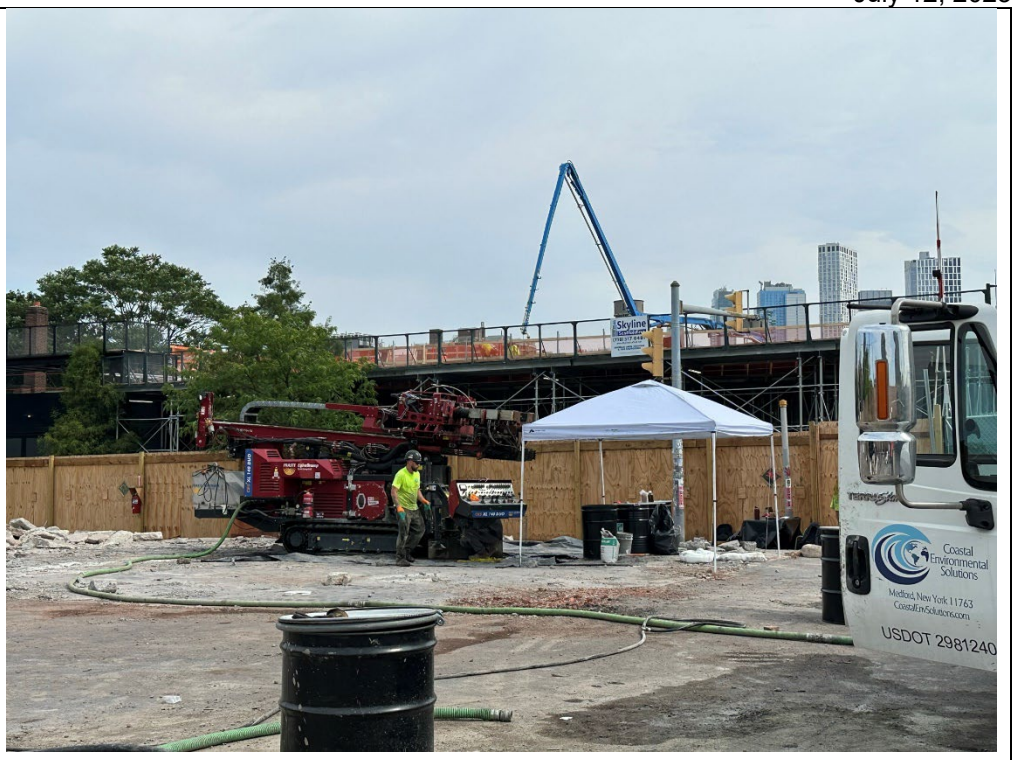


PHOTO LOG

Photo 1: View of upwind CAMP station and Coastal Environmental Solutions installing DB2-MW-2	
Photo 2: View of Well gauging at DB4-MW-4D.	

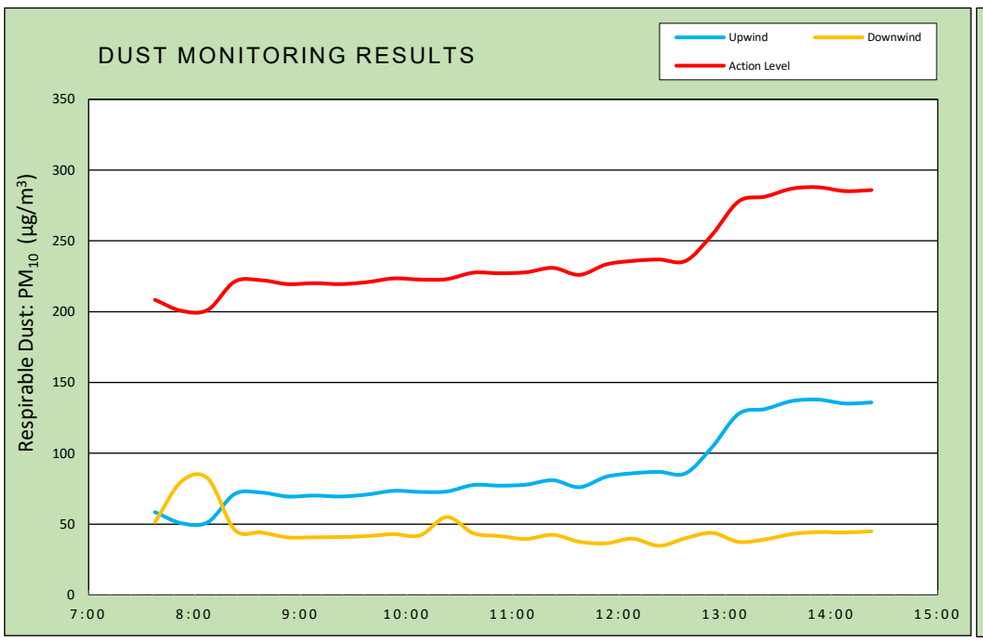
Photo 3: View of turbidity test results at DB4-MW-4S.	
Photo 4: View of sheen from development of mobility well DB4-MW-4.	

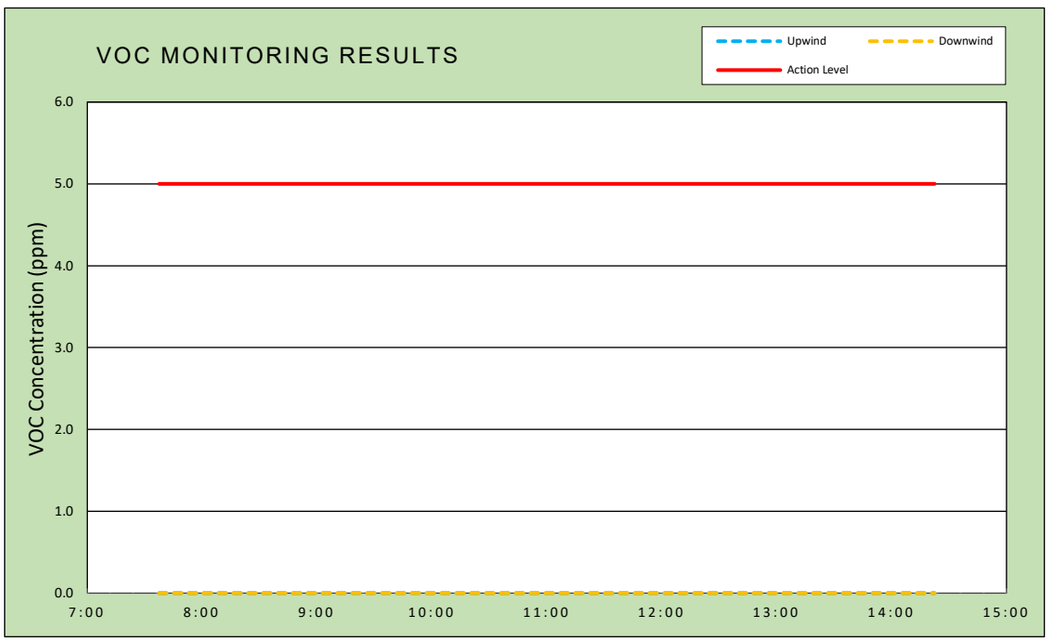
Photo 5: View of Coastal Environmental Solutions mobilizing at wells associated with DB-9.	

vEKtor consultants	**DAILY AIR MONITORING REPORT** **450 Union Street** **Brooklyn, New York**	**07/13/2023**	
37 W. 37th St, 6th Floor - New York, NY		Rev. No. 0	Page 1 of 2
		Project Number:	
		Dust Action Level	150 µg/m^3
		VOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	S	Relative Humidity (%)	53.0 - 75.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	78.0 - 89.0	Wind Speed (MPH)	1.2 - 6.1	Barometer (inHg)	29.80 - 29.90	Avg. Dew Point Temp (°F)	70.5	

Station Location	Daily Avg. Dust Concentration (µg/m^3)	Max 15-Min Dust Concentration (µg/m^3)	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	87.7	192.7	14:39	0.0	0.0	7:24
Downwind	45.1	88.3	8:00	0.0	0.0	7:24





Air Monitoring Notes:

Weather Notes:

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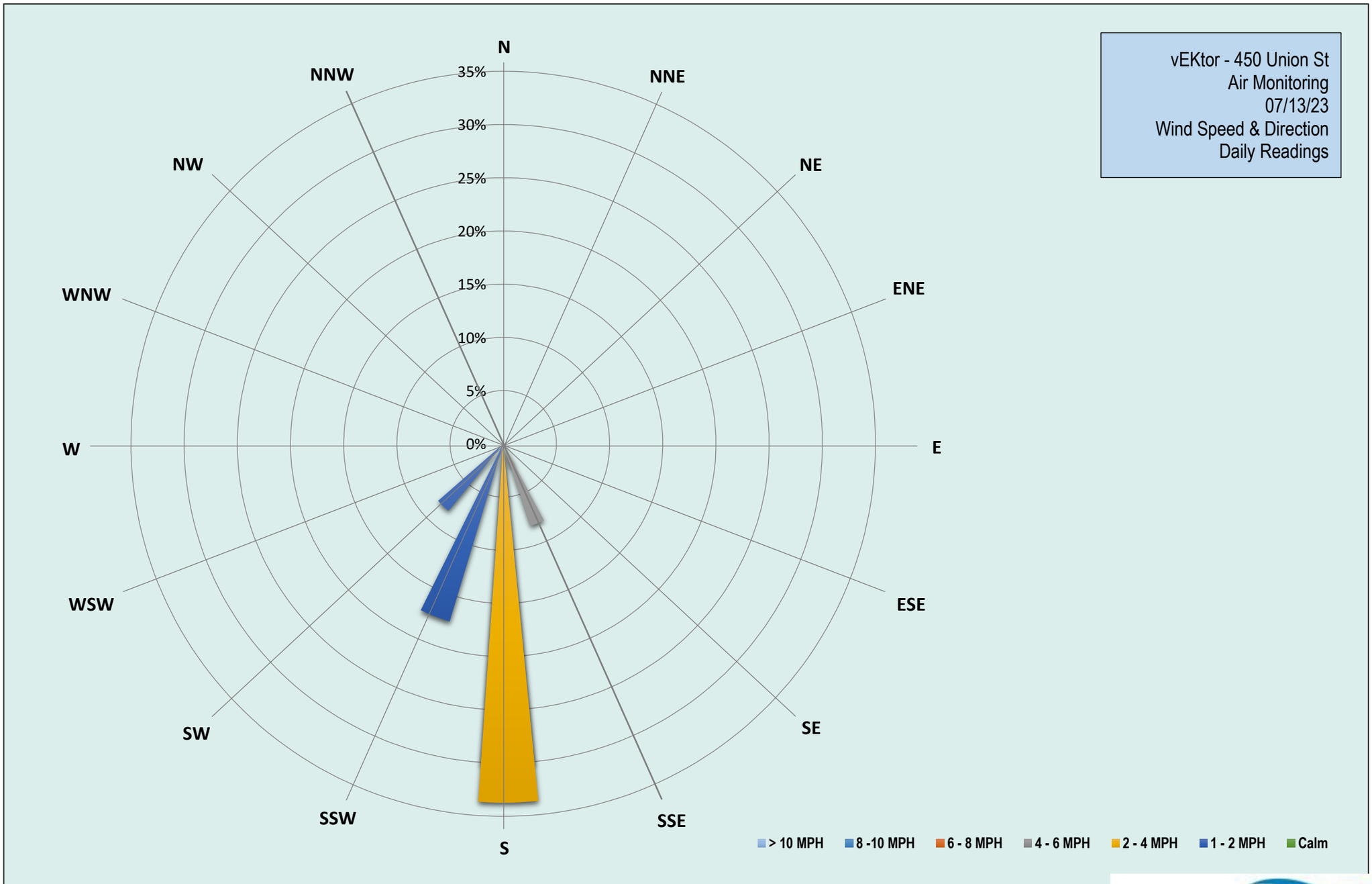
Wind Rose



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Thursday, July 13, 2023	
Number of Instances Where Downwind Particulates	0
Number of Comparable Data Points =	28
Start Time:	7:38
End Time:	14:23

PARTICULATE DATA

Upwind		Downwind			
Time	15-Min Avg Concentration (ug/m^3)	Time	15-Min Avg Concentration (ug/m^3)	Exceeds Particulate Alarm Limit	Exceedance Level
7:38	58.4	7:38	51.3	-	208.4
7:53	50.6	7:53	80.2	-	200.6
8:08	51.4	8:08	82.1	-	201.4
8:23	71.2	8:23	46.0	-	221.2
8:38	72.3	8:38	44.1	-	222.3
8:53	69.5	8:53	40.6	-	219.5
9:08	70.2	9:08	40.7	-	220.2
9:23	69.5	9:23	40.9	-	219.5
9:38	70.9	9:38	41.5	-	220.9
9:53	73.5	9:53	42.9	-	223.5
10:08	72.7	10:08	42.1	-	222.7
10:23	73.0	10:23	55.0	-	223.0
10:38	77.6	10:38	43.5	-	227.6
10:53	77.1	10:53	41.5	-	227.1
11:08	77.9	11:08	39.5	-	227.9
11:23	81.0	11:23	42.4	-	231.0
11:38	76.0	11:38	37.5	-	226.0
11:53	83.4	11:53	36.4	-	233.4
12:08	85.9	12:08	39.7	-	235.9
12:23	86.9	12:23	34.7	-	236.9
12:38	85.9	12:38	40.1	-	235.9
12:53	104.4	12:53	43.8	-	254.4
13:08	127.9	13:08	37.4	-	277.9
13:23	131.3	13:23	39.2	-	281.3
13:38	136.9	13:38	43.0	-	286.9
13:53	137.9	13:53	44.4	-	287.9
14:08	135.2	14:08	44.1	-	285.2
14:23	135.9	14:23	44.9	-	285.9

Upwind DustTrak Data Summary		
Daily Maximum	192.7	ug/m^3
Daily Minimum	-3.4	ug/m^3
Daily Average	87.7	ug/m^3
Maximum 15-Minute Average	137.9	ug/m^3

Downwind DustTrak Data Summary		
Daily Maximum	177.5	ug/m^3
Daily Minimum	-3.4	ug/m^3
Daily Average	45.1	ug/m^3
Maximum 15-Minute Average	82.1	ug/m^3

Thursday, July 13, 2023	
Number of Instances Where Downwind VOCs Exceeds	0
Number of Comparable Data Points =	0
Start Time:	7:38
End Time:	14:23

PID DATA					
Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
7:38	0.0	7:38	0.0	-	5.0
7:53	0.0	7:53	0.0	-	5.0
8:08	0.0	8:08	0.0	-	5.0
8:23	0.0	8:23	0.0	-	5.0
8:38	0.0	8:38	0.0	-	5.0
8:53	0.0	8:53	0.0	-	5.0
9:08	0.0	9:08	0.0	-	5.0
9:23	0.0	9:23	0.0	-	5.0
9:38	0.0	9:38	0.0	-	5.0
9:53	0.0	9:53	0.0	-	5.0
10:08	0.0	10:08	0.0	-	5.0
10:23	0.0	10:23	0.0	-	5.0
10:38	0.0	10:38	0.0	-	5.0
10:53	0.0	10:53	0.0	-	5.0
11:08	0.0	11:08	0.0	-	5.0
11:23	0.0	11:23	0.0	-	5.0
11:38	0.0	11:38	0.0	-	5.0
11:53	0.0	11:53	0.0	-	5.0
12:08	0.0	12:08	0.0	-	5.0
12:23	0.0	12:23	0.0	-	5.0
12:38	0.0	12:38	0.0	-	5.0
12:53	0.0	12:53	0.0	-	5.0
13:08	0.0	13:08	0.0	-	5.0
13:23	0.0	13:23	0.0	-	5.0
13:38	0.0	13:38	0.0	-	5.0
13:53	0.0	13:53	0.0	-	5.0
14:08	0.0	14:08	0.0	-	5.0
14:23	0.0	14:23	0.0	-	5.0

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

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