vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/11/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 14:00

Personnel On-Site:

Environmental Consultant: Vektor Consultants – Peter Rathsack, 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 DB3-MW-3D, DB3-MW-3S, DB3-MW-3, and DB4-MW-4 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 DB3-MW-3D. DB3-MW-3D was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB3-MW-3D was installed to a depth of 45 feet bgs and screened between 39 (bottom of GCM impact) and 45 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB3-MW-3S. DB3-MW-3S was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB3-MW-3S 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 DB3-MW-3. DB3-MW-3 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB3-MW-3 was installed to a depth of 44 feet bgs, screened between 25 and 39 feet bgs (i.e. GCM impacted interval), and included a 5-foot sump from 39 to 44 feet.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB4-MW-4. DB4-MW-4 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB4-MW-4 was installed to a depth of 52 feet bgs, screened between 22 and 47 feet bgs (i.e. GCM impacted interval), and included a 5-foot sump from 47 to 52 feet.
- 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.

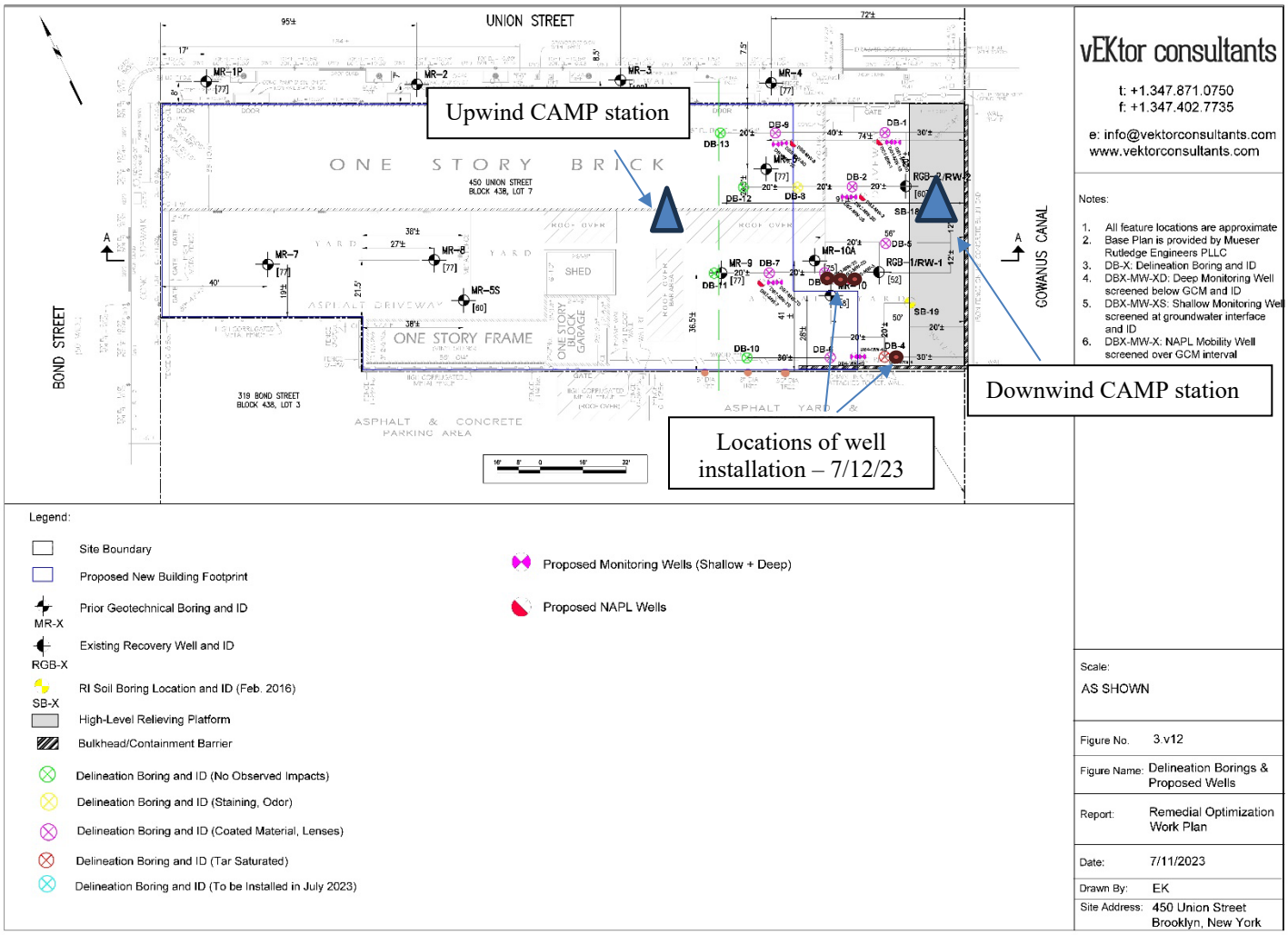
Problems Encountered

N/A

Planned Activities for the Next Day

Continued installation of groundwater monitoring wells.

SITE PLAN / WORK AREAS



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Notes:

1. All feature locations are approximate
2. Base Plan is provided by Mueser Rutledge Engineers PLLC
3. DB-X: Delineation Boring and ID
4. DBX-MW-XD: Deep Monitoring Well screened below GCM and ID
5. DBX-MW-XS: Shallow Monitoring Well screened at groundwater interface and ID
6. DBX-MW-X: NAPL Mobility Well screened over GCM interval

Scale:	AS SHOWN
Figure No.	3.v12
Figure Name:	Delineation Borings & Proposed Wells
Report:	Remedial Optimization Work Plan
Date:	7/11/2023
Drawn By:	EK
Site Address:	450 Union Street Brooklyn, New York

PHOTO LOG

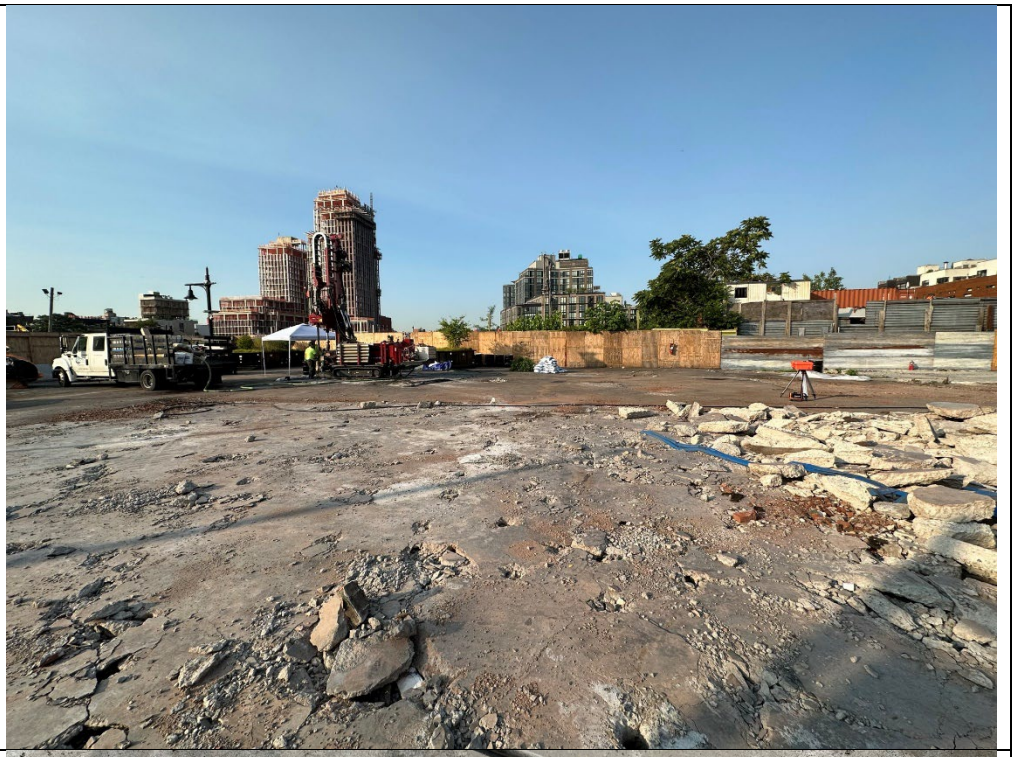
Photo 1: View of upwind CAMP station and Coastal Environmental Solutions installing DB3-MW-3S, DB3-MW-3S, and DB3-MW-3.	
Photo 2: View of PVC pipe risers DB3-MW-3S, DB3-MW-3D, and DB3-MW-3 immediately after installation and grouting.	

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

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37 W. 37th St, 6th Floor - New York, NY

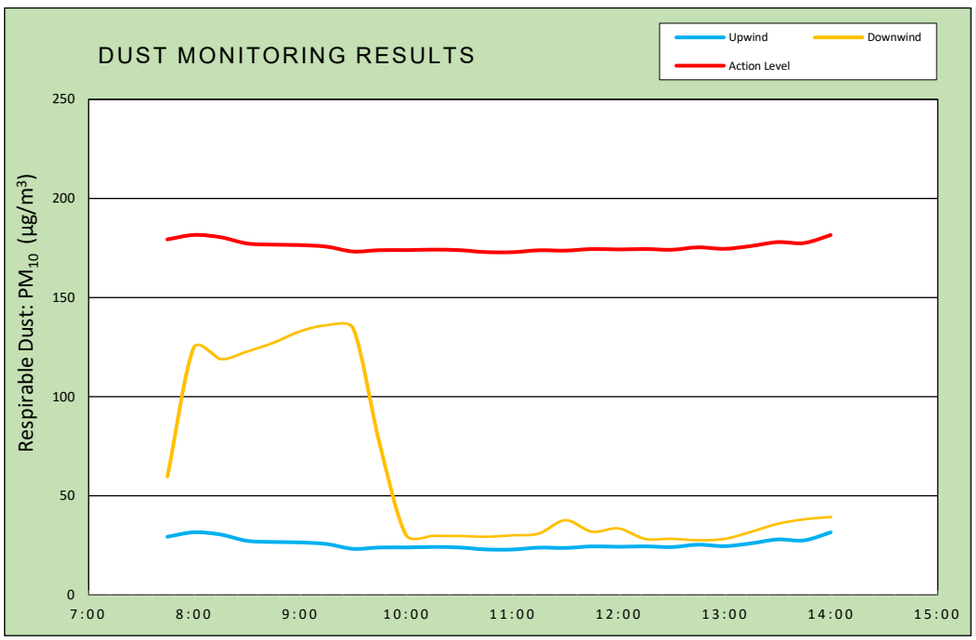
DAILY AIR MONITORING REPORT
450 Union Street
Brooklyn, New York

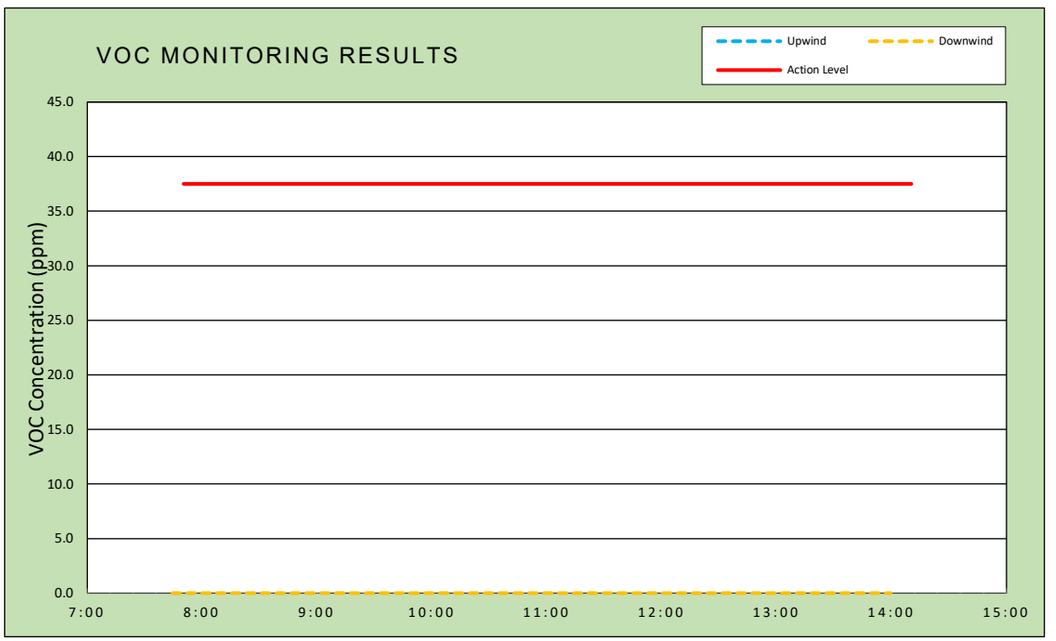
07/11/2023

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	WNW	Relative Humidity (%)	37.0 - 64.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	73.0 - 90.0	Wind Speed (MPH)	1.7 - 3.0	Barometer (inHg)	29.90 - 29.90	Avg. Dew Point Temp (°F)	60.3	

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	25.9	32.5	14:07	0.0	0.1	8:55
Downwind	78.2	171.7	8:26	0.0	0.0	7:35





Air Monitoring Notes:

Weather Notes:

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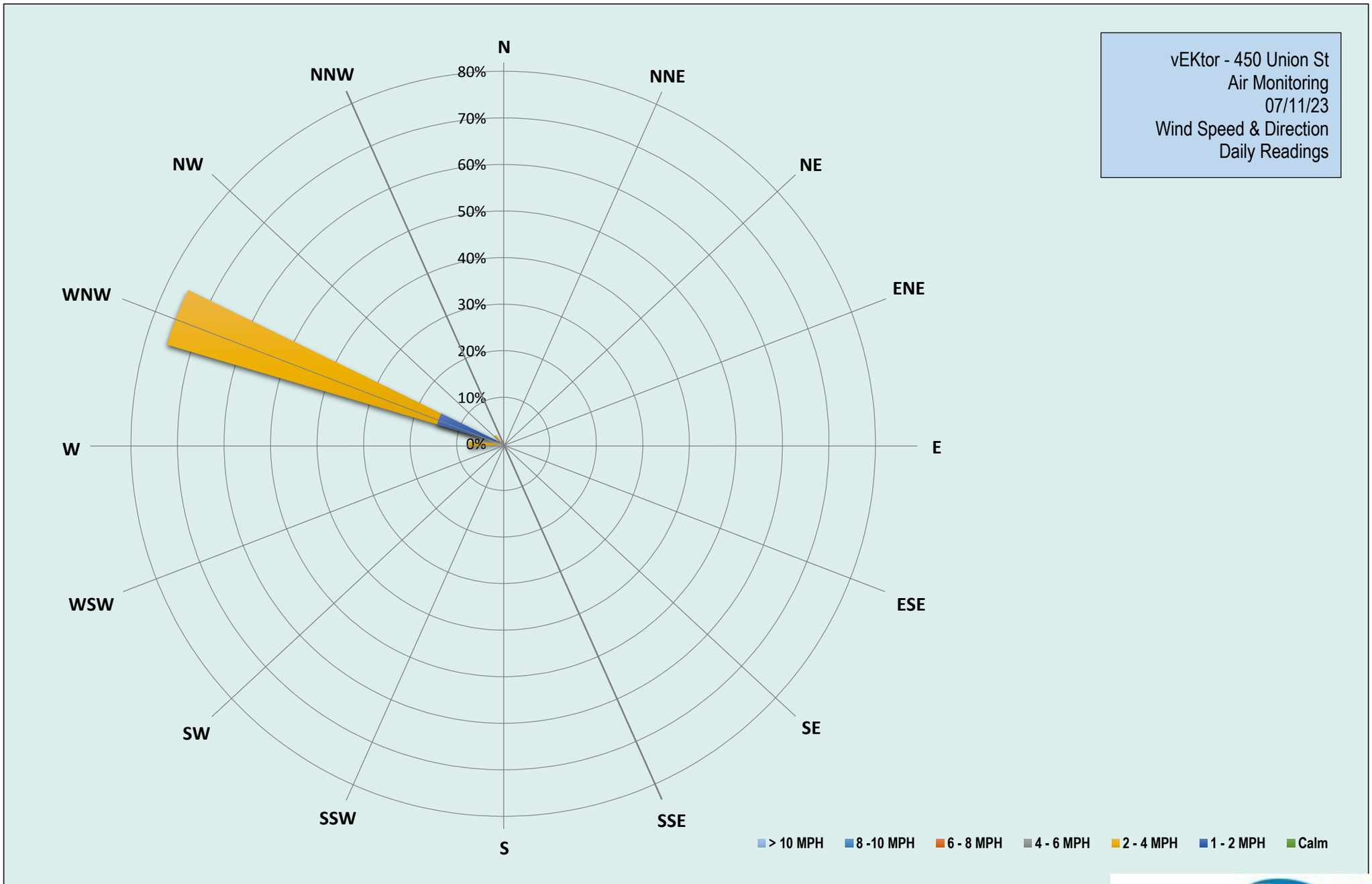
Wind Rose



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Tuesday, July 11, 2023	
Number of Instances Where Downwind Particulates	0
Number of Comparable Data Points =	26
Start Time:	7:45
End Time:	14:00

PARTICULATE DATA

Upwind		Downwind		Exceeds Particulate Alarm Limit	Exceedance Level
Time	15-Min Avg Concentration (ug/m^3)	Time	15-Min Avg Concentration (ug/m^3)		
7:45	29.3	7:45	77.5	-	179.3
8:00	31.6	8:00	174.8	-	181.6
8:15	30.5	8:15	166.0	-	180.5
8:30	27.3	8:30	171.7	-	177.3
8:45	26.7	8:45	133.4	-	176.7
9:00	26.5	9:00	122.9	-	176.5
9:15	25.7	9:15	122.5	-	175.7
9:30	23.2	9:30	128.0	-	173.2
9:45	23.9	9:45	102.6	-	173.9
10:00	23.9	10:00	33.7	-	173.9
10:15	24.2	10:15	33.2	-	174.2
10:30	23.9	10:30	33.1	-	173.9
10:45	22.9	10:45	32.5	-	172.9
11:00	22.9	11:00	33.6	-	172.9
11:15	23.9	11:15	34.9	-	173.9
11:30	23.7	11:30	45.0	-	173.7
11:45	24.5	11:45	36.3	-	174.5
12:00	24.3	12:00	38.8	-	174.3
12:15	24.5	12:15	30.9	-	174.5
12:30	24.1	12:30	31.0	-	174.1
12:45	25.3	12:45	29.9	-	175.3
13:00	24.6	13:00	30.9	-	174.6
13:15	26.0	13:15	36.2	-	176.0
13:30	28.0	13:30	42.2	-	178.0
13:45	27.5	13:45	45.6	-	177.5
14:00	31.6	14:00	47.4	-	181.6

Upwind DustTrak Data Summary		
Daily Maximum	39.0	ug/m^3
Daily Minimum	22.0	ug/m^3
Daily Average	25.9	ug/m^3
Maximum 15-Minute Average	31.6	ug/m^3

Downwind DustTrak Data Summary		
Daily Maximum	171.7	ug/m^3
Daily Minimum	-1.3	ug/m^3
Daily Average	78.2	ug/m^3
Maximum 15-Minute Average	171.7	ug/m^3

Tuesday, July 11, 2023	
Number of Instances Where Downwind VOCs Exceeds	0
Number of Comparable Data Points =	0
Start Time:	7:45
End Time:	14:00

PID DATA

Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
7:45	0.0	7:45	0.0	-	5.0
8:00	0.0	8:00	0.0	-	5.0
8:15	0.0	8:15	0.0	-	5.0
8:30	0.0	8:30	0.0	-	5.0
8:45	0.0	8:45	0.0	-	5.0
9:00	0.1	9:00	0.0	-	5.1
9:15	0.0	9:15	0.0	-	5.0
9:30	0.0	9:30	0.0	-	5.0
9:45	0.0	9:45	0.0	-	5.0
10:00	0.0	10:00	0.0	-	5.0
10:15	0.0	10:15	0.0	-	5.0
10:30	0.0	10:30	0.0	-	5.0
10:45	0.0	10:45	0.0	-	5.0
11:00	0.0	11:00	0.0	-	5.0
11:15	0.0	11:15	0.0	-	5.1
11:30	0.0	11:30	0.0	-	5.0
11:45	0.0	11:45	0.0	-	5.0
12:00	0.0	12:00	0.0	-	5.0
12:15	0.0	12:15	0.0	-	5.0
12:30	0.0	12:30	0.0	-	5.0
12:45	0.0	12:45	0.0	-	5.0
13:00	0.0	13:00	0.0	-	5.0
13:15	0.0	13:15	0.0	-	5.0
13:30	0.0	13:30	0.0	-	5.0
13:45	0.0	13:45	0.0	-	5.0
14:00	0.1	14:00	0.0	-	5.1

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