vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/17/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 13:45

Personnel On-Site:

Environmental Consultant: Vektor Consultants – Peter Rathsack, Tom Giordano, Eugenia Papisov
GZA: Dan Tessar
Coastal Environmental Solutions - Patrick Slavin, 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 DB7-MW-7S, DB7-MW-7D, and DB7-MW-7 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 DB7-MW-7S. DB7-MW-7S was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB7-MW-7S 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 DB7-MW-7D. DB7-MW-7D was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB7-MW-7D was installed to a depth of 45.5 feet bgs and screened between 35.5 (bottom of GCM impact) and 45.5 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB7-MW-7. DB7-MW-7 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB7-MW-7 was installed to a depth of 40.5 feet bgs, screened between 32 and 35.5 feet bgs (i.e. GCM impacted interval) and included a 5-foot sump from 35.5 to 40.5.
- Vektor developed monitoring wells DB2-MW-2S, DB2-MW-2D, DB2-MW-2, DB9-MW-9S, DB9-MW-9D, and DB9-MW-9 until the monitoring well reached equilibrium and turbidity of the purge water was measured to below 50 nephelometric turbidity units (NTUs).
    - During the development of mobility well DB2-MW-2, sheening and NAPL was observed.
    - During the development of DB2-MW-2D, a faint coal tar odor was observed.
    - During the development of mobility well DB9-MW-9, faint coal tar odor and NAPL sheen was observed.
    - During the development of DB9-MW-9D, a faint coal tar odor 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. An issue during calibration resulted in a high level being recorded that did not represent site conditions.

Problems Encountered

N/A

Planned Activities for the Next Day

Development of DB7-MW-7S, DB7-MW-7D, and DB7-MW-7.

SITE PLAN / WORK AREAS

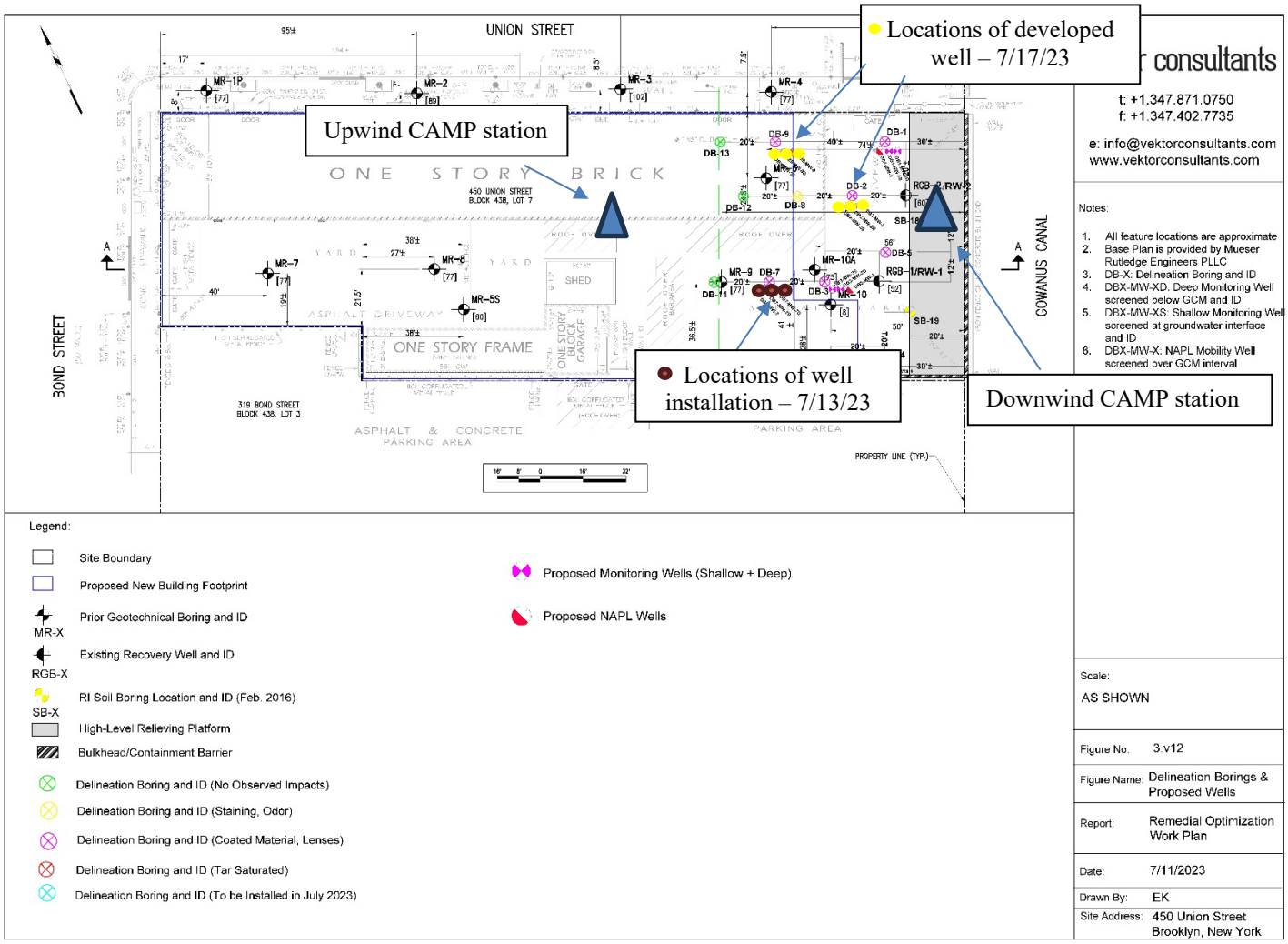


PHOTO LOG

Photo 1: View of upwind CAMP station and Coastal Environmental Solutions installing DB7-MW-7	
Photo 2: View of DB2-MW-2 achieving less than 50 NTU during development.	

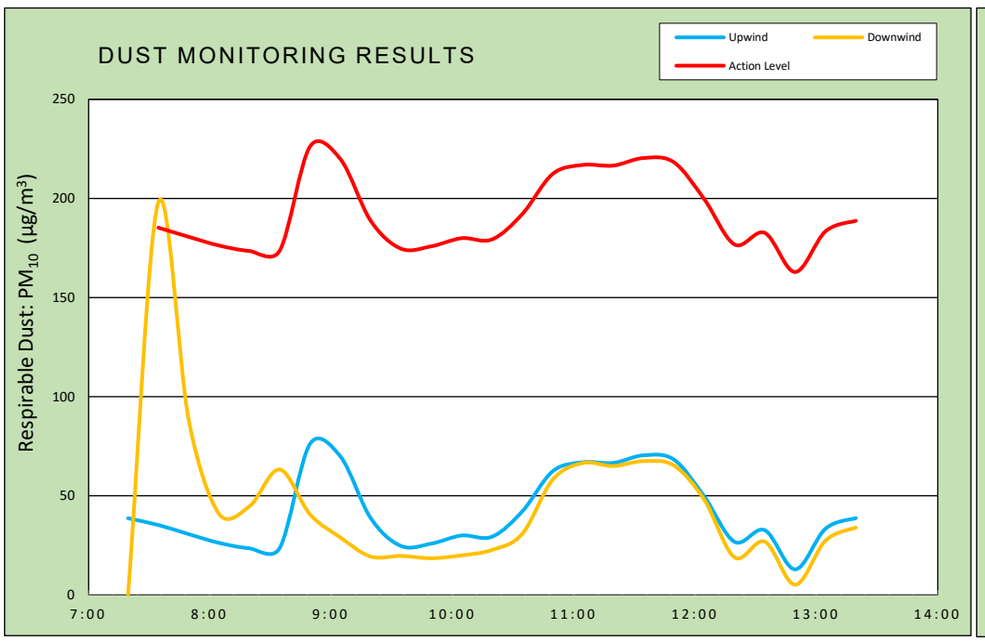
Photo 3: View of DB7-MW-7S, DB7-MW-7D, and DB7-MW-7 immediately after installation.	
Photo 4: View of sheen from development of mobility well DB9-MW-9.	

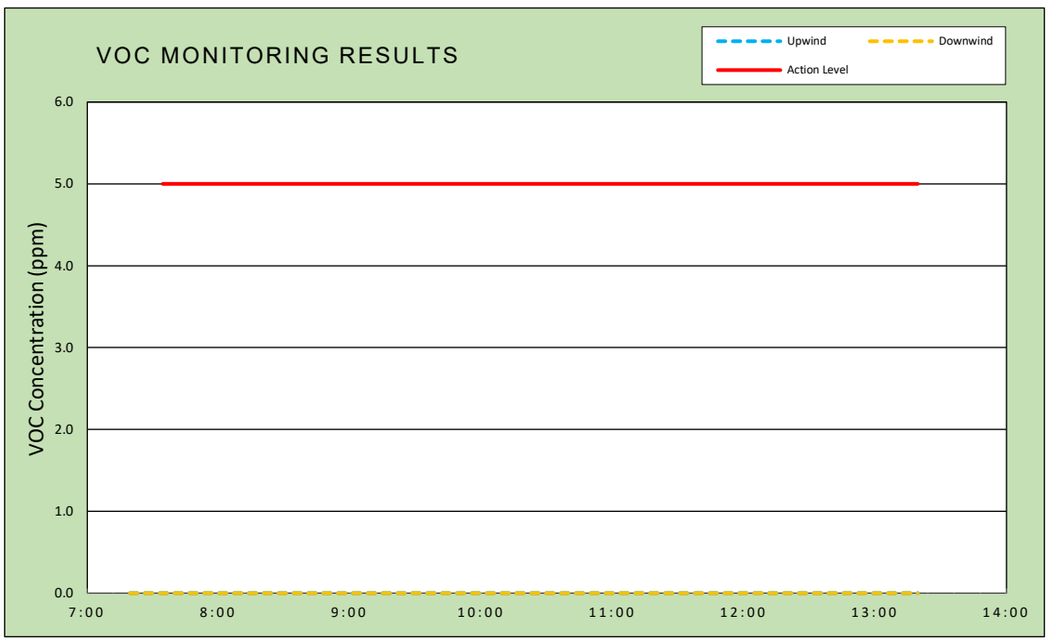
Photo 5: View of DB9-MW-9 achieving less than 50 NTU during development.	

vEKtor consultants	**DAILY AIR MONITORING REPORT** **450 Union Street** **Brooklyn, New York**	**07/17/2023**	
		Rev. No. 0	Page 1 of 2
		Project Number:	
		Dust Action Level	150 µg/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 (%)	49.0 - 96.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	74.0 - 91.0	Wind Speed (MPH)	0.6 - 2.3	Barometer (inHg)	29.90 - 30.00	Avg. Dew Point Temp (°F)	72.1	

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	41.7	92.1	8:54	0.0	0.0	7:06
Downwind	45.6	208.7	7:28	0.0	0.0	7:23





Air Monitoring Notes:

Weather Notes:

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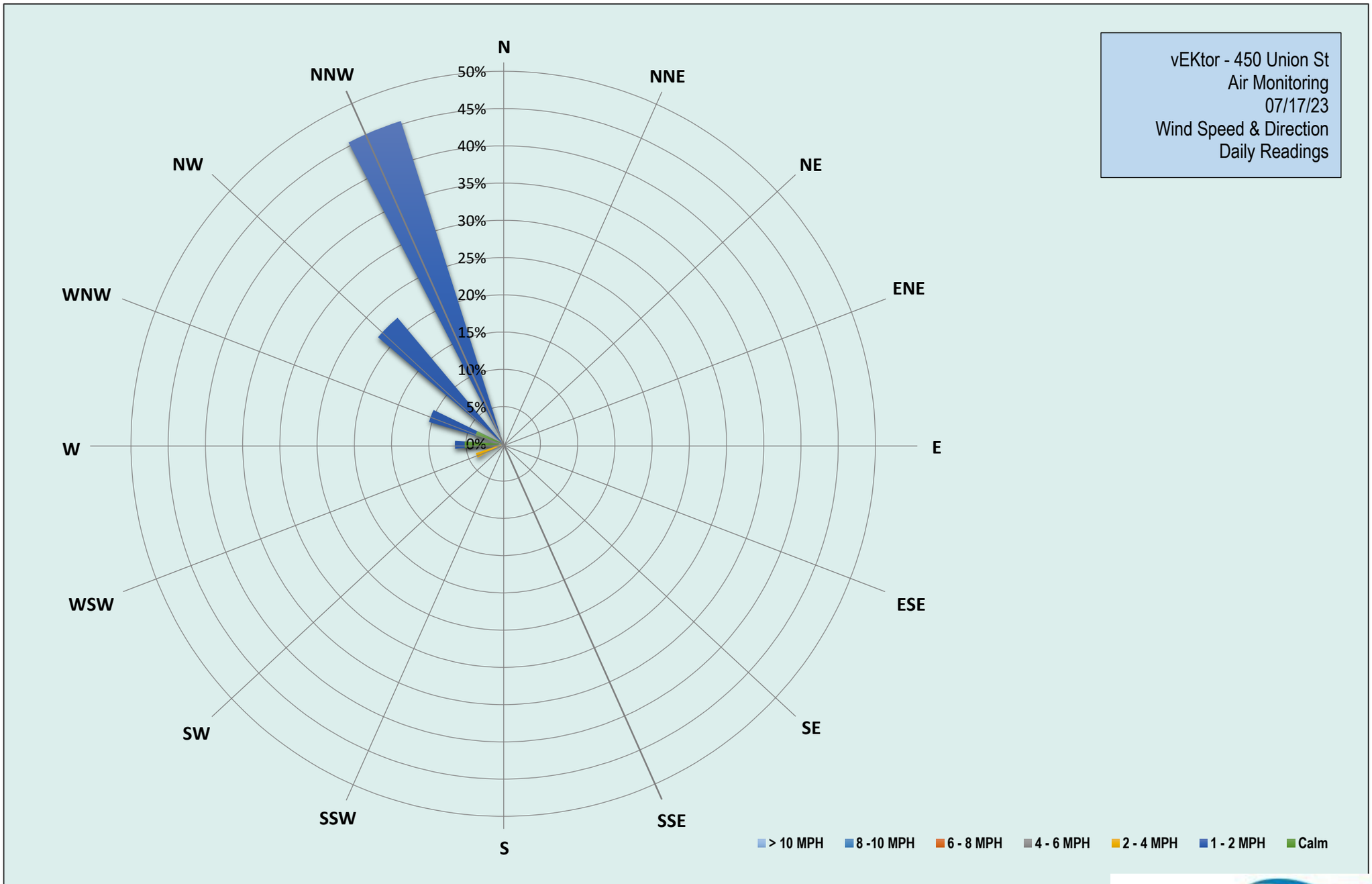
Wind Rose



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Monday, July 17, 2023					
Number of Instances Where Downwind Particulates				1	
Number of Comparable Data Points =				25	
Start Time:				7:20	
End Time:				13:20	
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)		
7:20	38.7	7:20	-	-	
7:35	35.3	7:35	198.0	X	185.3
7:50	30.6	7:50	88.3	-	180.6
8:05	26.2	8:05	40.9	-	176.2
8:20	23.5	8:20	44.6	-	173.5
8:35	23.6	8:35	63.3	-	173.6
8:50	76.2	8:50	40.6	-	226.2
9:05	69.9	9:05	29.0	-	219.9
9:20	38.8	9:20	19.3	-	188.8
9:35	24.7	9:35	19.7	-	174.7
9:50	25.9	9:50	18.5	-	175.9
10:05	30.0	10:05	19.9	-	180.0
10:20	29.3	10:20	22.6	-	179.3
10:35	42.1	10:35	30.8	-	192.1
10:50	62.3	10:50	58.1	-	212.3
11:05	66.9	11:05	66.6	-	216.9
11:20	66.6	11:20	65.0	-	216.6
11:35	70.4	11:35	67.5	-	220.4
11:50	68.3	11:50	65.3	-	218.3
12:05	49.7	12:05	48.0	-	199.7
12:20	26.8	12:20	18.9	-	176.8
12:35	32.6	12:35	26.8	-	182.6
12:50	12.9	12:50	5.1	-	162.9
13:05	33.4	13:05	27.4	-	183.4
13:20	38.7	13:20	34.0	-	188.7

Calibration issue

Upwind DustTrak Data Summary		
Daily Maximum	107.8	ug/m^3
Daily Minimum	6.5	ug/m^3
Daily Average	41.7	ug/m^3
Maximum 15-Minute Average	76.2	ug/m^3

Downwind DustTrak Data Summary		
Daily Maximum	248.3	ug/m^3
Daily Minimum	-2.5	ug/m^3
Daily Average	45.6	ug/m^3
Maximum 15-Minute Average	198.0	ug/m^3

Monday, July 17, 2023	
Number of Instances Where Downwind VOCs Exceeds	0
Number of Comparable Data Points =	0
Start Time:	7:20
End Time:	13:20

PID DATA

Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
7:20	0.0	7:20	-	-	
7:35	0.0	7:35	0.0	-	5.0
7:50	0.0	7:50	0.0	-	5.0
8:05	0.0	8:05	0.0	-	5.0
8:20	0.0	8:20	0.0	-	5.0
8:35	0.0	8:35	0.0	-	5.0
8:50	0.0	8:50	0.0	-	5.0
9:05	0.0	9:05	0.0	-	5.0
9:20	0.0	9:20	0.0	-	5.0
9:35	0.0	9:35	0.0	-	5.0
9:50	0.0	9:50	0.0	-	5.0
10:05	0.0	10:05	0.0	-	5.0
10:20	0.0	10:20	0.0	-	5.0
10:35	0.0	10:35	0.0	-	5.0
10:50	0.0	10:50	0.0	-	5.0
11:05	0.0	11:05	0.0	-	5.0
11:20	0.0	11:20	0.0	-	5.0
11:35	0.0	11:35	0.0	-	5.0
11:50	0.0	11:50	0.0	-	5.0
12:05	0.0	12:05	0.0	-	5.0
12:20	0.0	12:20	0.0	-	5.0
12:35	0.0	12:35	0.0	-	5.0
12:50	0.0	12:50	0.0	-	5.0
13:05	0.0	13:05	0.0	-	5.0
13:20	0.0	13:20	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