vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/21/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 15:45

Personnel On-Site:
Environmental Consultant: Vektor Consultants – Peter Rathsack, Saranda Alka
WSP: Brian Jessourian, Tim Williams

Work Activities Performed:

- Vektor mobilized to the site to conduct groundwater sampling as per the Remedial Site Optimization Work Plan (RSOWP)
- Headspace of wells DB1-MW-1S, DB1-MW-1D, and DB1-MW-1 were measured, wells were gauged, and sampled. All depths were measured from top of the casing (TOC).
- Vektor used a peristaltic pump to collect low flow groundwater samples from wells DB1-MW-1S, DB1-MW-1D, and DB1-MW-1. Groundwater was purged from each well to measure water quality parameters (pH, specific conductivity, oxygen reduction potential, dissolved oxygen, turbidity, and temperature) for stabilization criteria prior to sampling.
- Faint coal tar-like odors were observed in purge water generated from wells DB1-MW-1S, DB1-MW-1D, and DB1-MW-1.
- Approximately 18 gallons of purged groundwater were generated and containerized in a sealed and labeled 55-gallon drum.

Well ID	Headspace (ppm)	Pre-Purge Depth to Water (feet)	Post Sampling Depth to Water (feet)	Pump Intake Depth (feet)
DB3-MW-3S	4.7	9.66	9.72	10
DB1-MW-1D	2.5	9.78	9.94	75
DB1-MW-1	11.2	9.84	9.61	47.5

Samples Collected: Vektor collected three groundwater samples for laboratory analysis of NYSDEC Part 375 TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TCL Herbicides, TAL Metals, and Total Cyanide.

- DB1-MW-1S
- DB1-MW-1D
- DB1-MW-1

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

vEKtor consultants

BCP No: C224219
July 21, 2023

Planned Activities for the Next Day

Sampling of DB2-MW-2S, DB2-MW-2D, and DB2-MW-2.

SITE PLAN / WORK AREAS

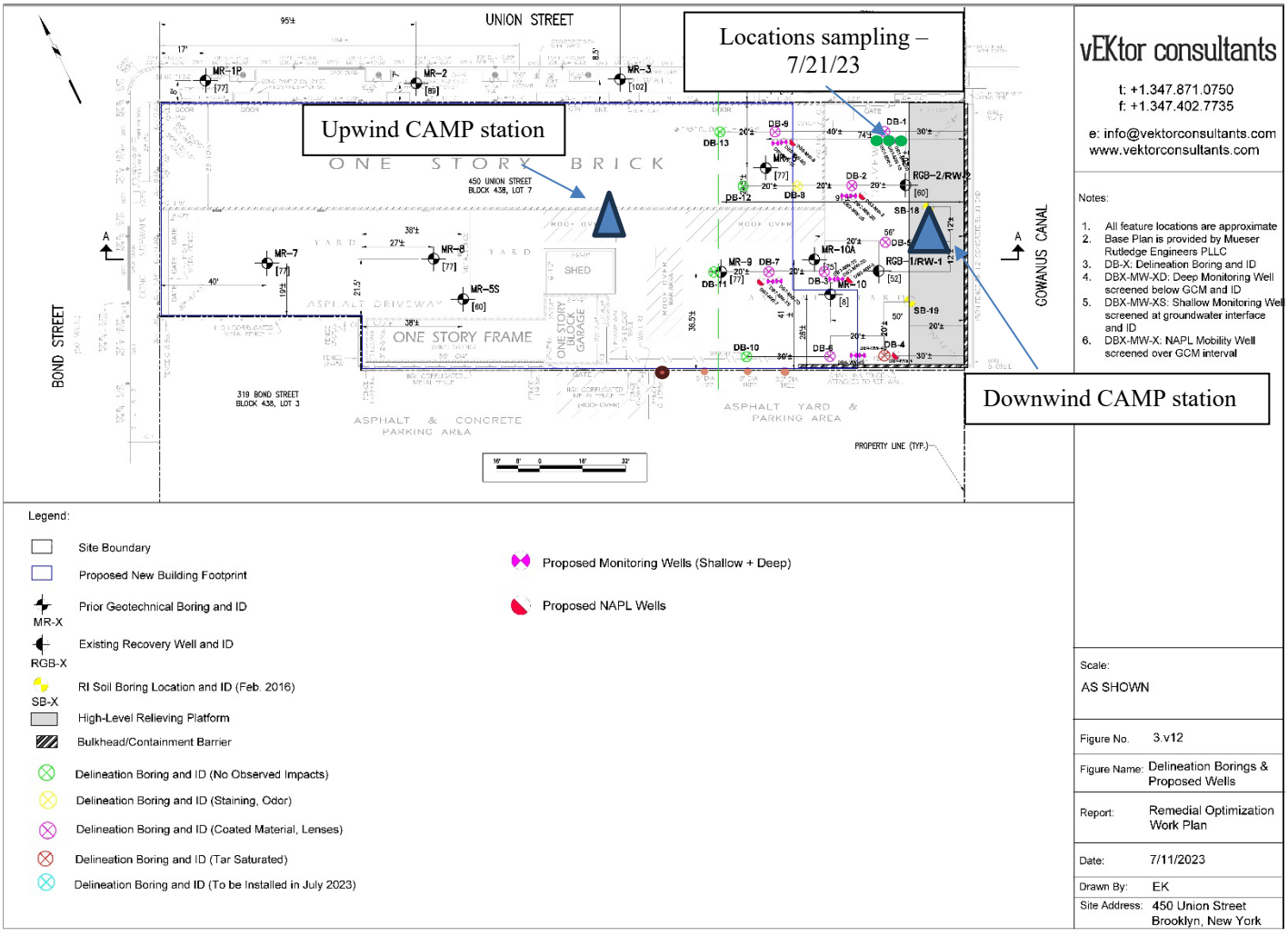


PHOTO LOG

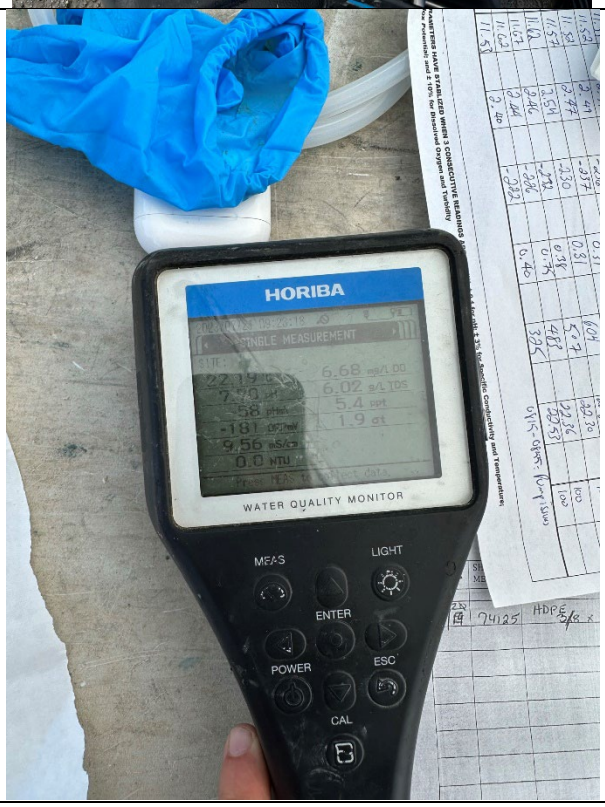
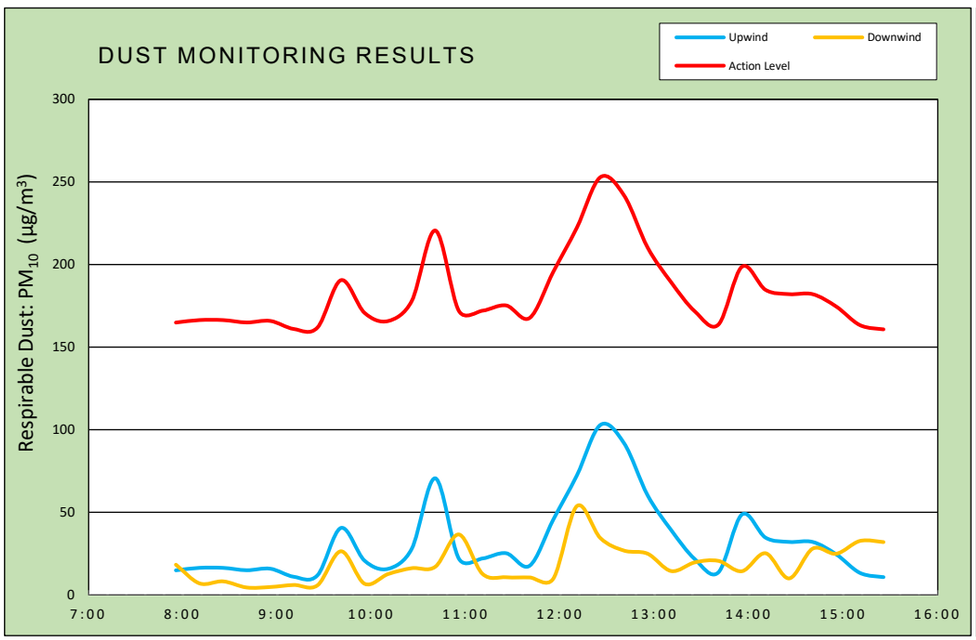
Photo 1: View of peristaltic pump during purging and Horiba measuring low flow sampling parameters during the sampling of DB1-MW-1D.	
Photo 2: View of Horiba measuring low flow groundwater sampling parameters.	

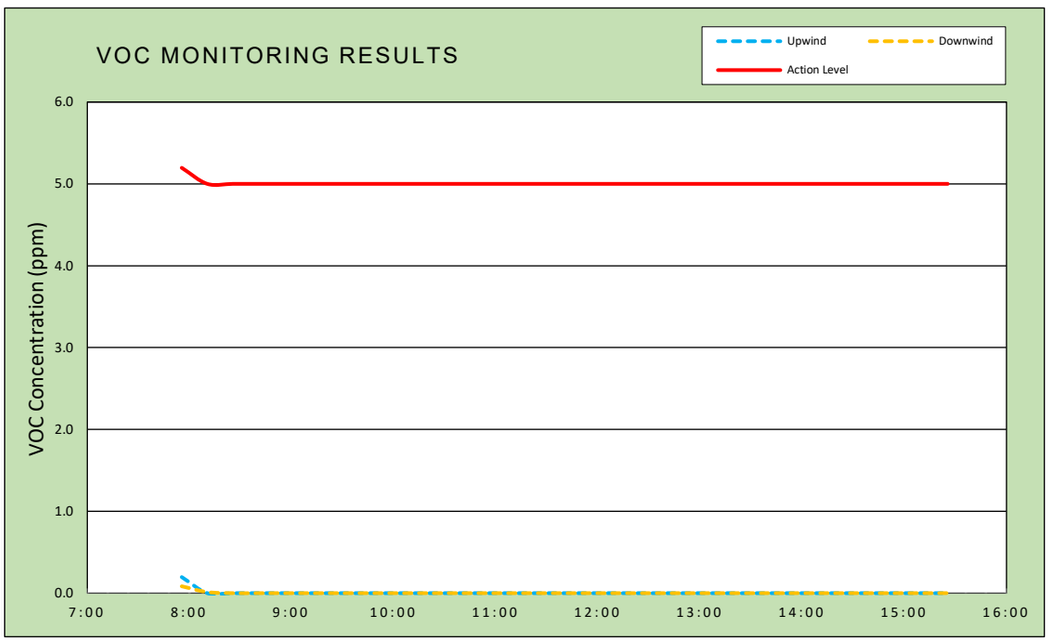
Photo 3: View of site facing southwest at the end of sampling event.	

vEKtor consultants	DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York	07/21/2023	
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	SSW	Relative Humidity (%)	53.0 - 96.0	Daily Rain Total (in)	0.36	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	72.0 - 87.0	Wind Speed (MPH)	1.8 - 4.0	Barometer (inHg)	29.80 - 29.80	Avg. Dew Point Temp (°F)	69.4	

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	32.5	127.6	12:34	0.0	0.3	7:46
Downwind	18.6	61.3	15:40	0.0	0.1	8:16





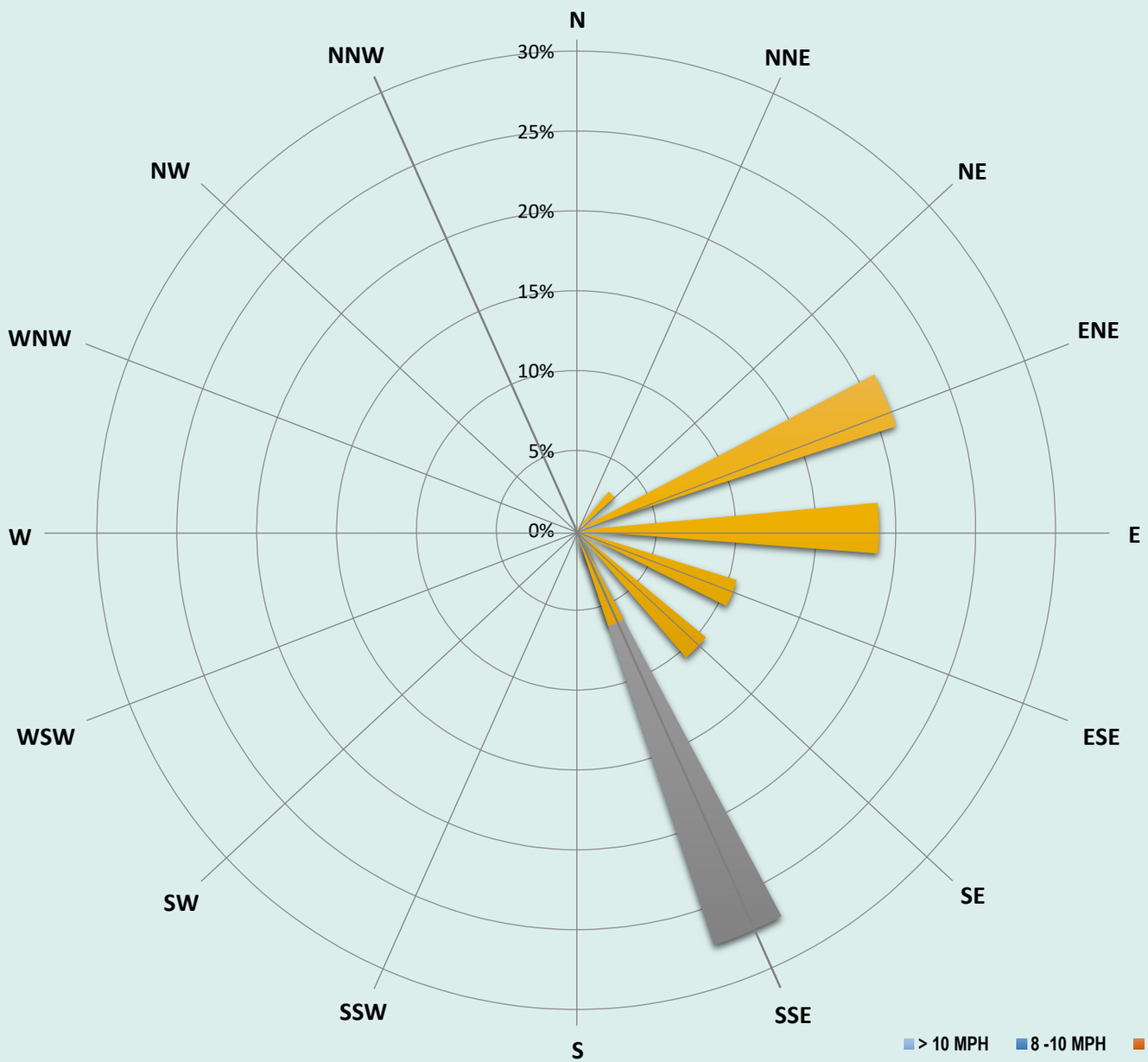
Air Monitoring Notes:

Weather Notes:

EMILCOTT
A Triumvirate Environmental Company

Wind Rose

vEKtor - 450 Union St Air Monitoring
07/21/23
Wind Speed & Direction
Daily Readings



EMILCOTT
A Triumvirate Environmental Company

Friday, July 2023				
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 =				0
Number of Comparable Data Points =				31
Start Time:				7:56
End Time:				15:26
PARTICULATE DATA				
Upwind		Downwind		Exceeds Particulate Alarm Limit
Time	15-Min Avg Concentration (ug/m^3)	Time	15-Min Avg Concentration (ug/m^3)	
7:56	14.9	7:56	18.3	-
8:11	16.4	8:11	7.0	-
8:26	16.4	8:26	8.2	-
8:41	14.9	8:41	4.5	-
8:56	15.9	8:56	4.8	-
9:11	11.0	9:11	6.0	-
9:26	11.8	9:26	5.8	-
9:41	40.5	9:41	26.4	-
9:56	20.7	9:56	6.7	-
10:11	15.8	10:11	12.6	-
10:26	27.9	10:26	16.2	-
10:41	70.6	10:41	17.1	-
10:56	21.9	10:56	36.6	-
11:11	22.0	11:11	12.7	-
11:26	25.2	11:26	10.7	-
11:41	17.7	11:41	10.6	-
11:56	45.6	11:56	9.8	-
12:11	72.3	12:11	53.7	-
12:26	102.9	12:26	34.3	-
12:41	91.8	12:41	26.8	-
12:56	60.3	12:56	24.9	-
13:11	39.2	13:11	14.4	-
13:26	21.6	13:26	19.7	-
13:41	13.6	13:41	20.6	-
13:56	48.7	13:56	14.3	-
14:11	34.6	14:11	25.2	-
14:26	32.1	14:26	10.0	-
14:41	32.0	14:41	28.0	-
14:56	24.5	14:56	24.9	-
15:11	13.3	15:11	32.6	-
15:26	10.7	15:26	32.0	-

Friday, July 21, 2023				
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 =				0
Number of Comparable Data Points =				0
Start Time:				7:56
End Time:				15:26
PID DATA				
Upwind		Downwind		Exceeds VOC Alarm Limit
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	
7:56	0.2	7:56	0.1	-
8:11	0.0	8:11	0.0	-
8:26	0.0	8:26	0.0	-
8:41	0.0	8:41	0.0	-
8:56	0.0	8:56	0.0	-
9:11	0.0	9:11	0.0	-
9:26	0.0	9:26	0.0	-
9:41	0.0	9:41	0.0	-
9:56	0.0	9:56	0.0	-
10:11	0.0	10:11	0.0	-
10:26	0.0	10:26	0.0	-
10:41	0.0	10:41	0.0	-
10:56	0.0	10:56	0.0	-
11:11	0.0	11:11	0.0	-
11:26	0.0	11:26	0.0	-
11:41	0.0	11:41	0.0	-
11:56	0.0	11:56	0.0	-
12:11	0.0	12:11	0.0	-
12:26	0.0	12:26	0.0	-
12:41	0.0	12:41	0.0	-
12:56	0.0	12:56	0.0	-
13:11	0.0	13:11	0.0	-
13:26	0.0	13:26	0.0	-
13:41	0.0	13:41	0.0	-
13:56	0.0	13:56	0.0	-
14:11	0.0	14:11	0.0	-
14:26	0.0	14:26	0.0	-
14:41	0.0	14:41	0.0	-
14:56	0.0	14:56	0.0	-
15:11	0.0	15:11	0.0	-
15:26	0.0	15:26	0.0	-