DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	Date:	06/14/2023
Project Name:	450 Union Street	Weather:	Overcast-Rain, 70-75 °F
Client:	2201 Union LLC	Time:	7:00 – 13:20

Personnel On-Site:

Environmental Consultant: Vektor Consultants - Peter Rathsack, Ezgi Karayel

GZA: Daniel Tessar

Coastal Environmental Solutions - Patrick Slavin, Mike Martino

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 location for DB-4 was measured and marked according to the RSOWP.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-4). DB-4 was installed to a
 depth of 70 feet bgs to assess the extent of non-aqueous phase liquid (NAPL) and GCM at the site.
 - o GCM as evidenced by staining, sheen, odors, and PID readings was encountered starting at a depth of approximately 22 feet below grade surface (bgs). Visually impacted soils continued until approximately 47 feet. Coal tar saturation was observed between 40 to 44 feet. No olfactory or PID evidence of impacted soils were present below 47 feet.
 - A shake test was conducted for suspected GCM at 25-26 feet interval and revealed a small amount of LNAPL sheen and trace DNAPL.
- All soil cuttings were placed into a 55-gallon drum at the Site for future off-site disposal, and DB-1 was backfilled with a concrete slurry.

Samples Collected:

Vektor collected coal tar delineation samples from DB-4 (25'- 26') from 25 to 26 feet bgs, DB-4 (32'-34') from 32 to 34 feet bgs (on hold), and DB-4 (48'-49') from 48 to 49 feet bgs. The samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, and cyanide. One field blank (FB-2) was also collected to be analyzed for the same parameters. One trip blank (TB-2) was included in the samples delivered to the lab.

Community Air Monitoring Program

Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location. No CAMP exceedances were observed.

Problems Encountered

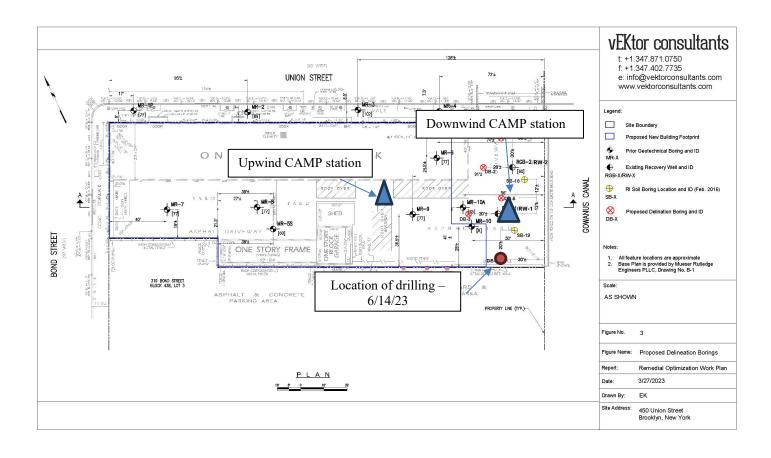
N/A

Planned Activities for the Next Day

Drilling of DB-6 and DB-7.

BCP No: C224219 June 14, 2023 **SITE PLAN / WORK AREAS**

BCP No: C224219 June 14, 2023



BCP No: C224219 June 14, 2023

PHOTO LOG

Photo 1: View of CAMP station facing southwest.



Photo 2: View of Coastal Environmental Solutions drilling DB-4 with Sonic Drill Rig CRS XL 140 DUO



BCP No: C224219 June 14, 2023

Photo 3: View of DB-4 sonic sleeves 20 to 25 feet and 25 to 30 feet.



Photo 4: View of shake tests from DB-4 from intervals 25-26 feet, 33-34 feet, and 48-49 feet.



Photo 5: View of DB-4 sonic sleeves 60 to 65 feet and 65 to 70.



Client: 2201 Union LLC

450 Union

Project:

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-4 Page: 1 of 4

Drilling Start Date: 06/14/2023

Drilling End Date: 06/14/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 70

Boring Diameter (in): 4.00

Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve

	_	F	Z		COLL	ECT.			MEAS	SURE	
ОЕРТН (#)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	Sample Type	Time	Blow Counts	Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	PID (ppm)	Lab Sample	ОЕРТН (ft)
0											0
- -				DS			3.00	(0.00') Asphalt (1.00') Poorly graded GRAVEL (GP); fine-coarse grained, loose, dry, light gray	2.2		_
-									0.6		_
5—				DS			2.50	(6.00') Poorly graded GRAVEL (GP); fine-coarse grained, loose, dry, light gray	0.5		5
10				DS			3.08	(10.50') Poorly graded GRAVEL (GP); fine-coarse grained, loose, dry, light gray	0.5		— —10 —
_ _ 15—				DS			3.75	(13.50') Lean CLAY with sand (CL); little fine-coarse gravel, some fine-coarse sand, mostly clay, low plasticity, medium stiff, wet, Black with Brown Streaks (15.00') Lean CLAY (CL); medium plasticity, medium stiff, moist, black, some organic material	0.1		15
- -								(16.00') SILT (ML); few fine-coarse gravel, trace fine-coarse sand, mostly silt, low plasticity, medium stiff, moist, Brown with Black streaks (19.00') PEAT (PT); with clay	0.1		_
20											20
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Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-4 Page: 2 of 4

Drilling Start Date: 06/14/2023

Drilling End Date: 06/14/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

Driller: CRS XL 140 DUO

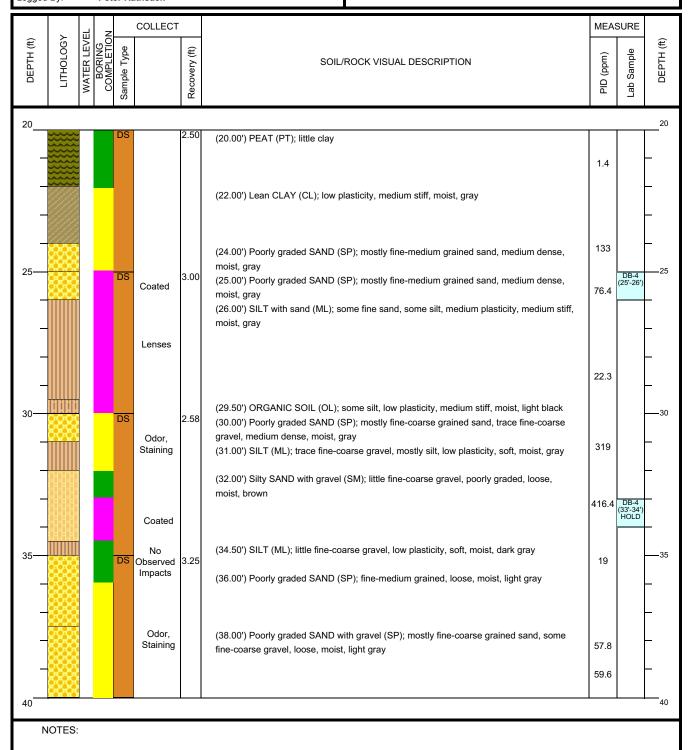
Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 70

Boring Diameter (in): 4.00

Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-4 Page: 3 of 4

Drilling Start Date: 06/14/2023

Drilling End Date: 06/14/2023

Drilling Company: Costal Environmental Solutions

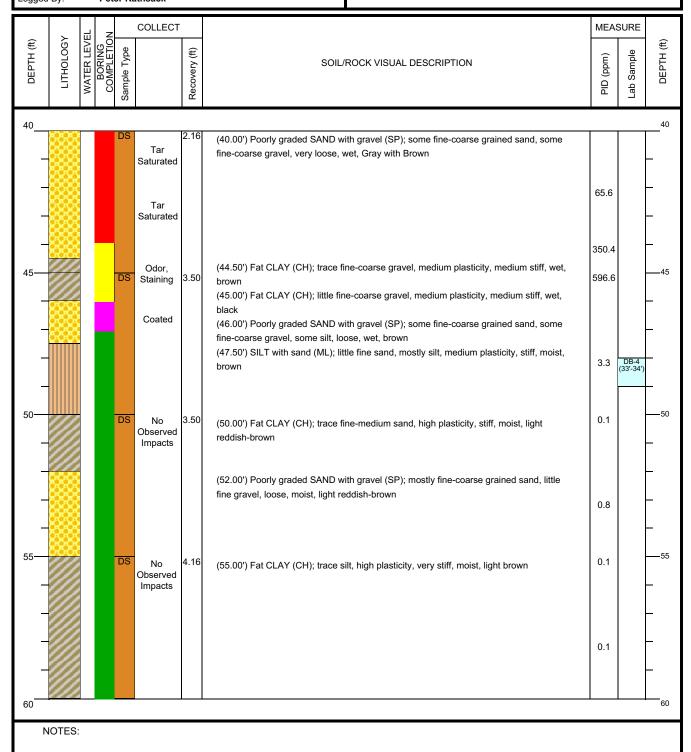
Drilling Method: Sonic

Drilling Equipment: CRS XL 140 DUO
Driller: Patrick Slavin
Logged By: Peter Rathsack

Boring Depth (ft): 70

Boring Diameter (in): 4.00

Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-4 Page: 4 of 4

Drilling Start Date: 06/14/2023

Drilling End Date: 06/14/2023

Drilling Company: Costal Environmental Solutions

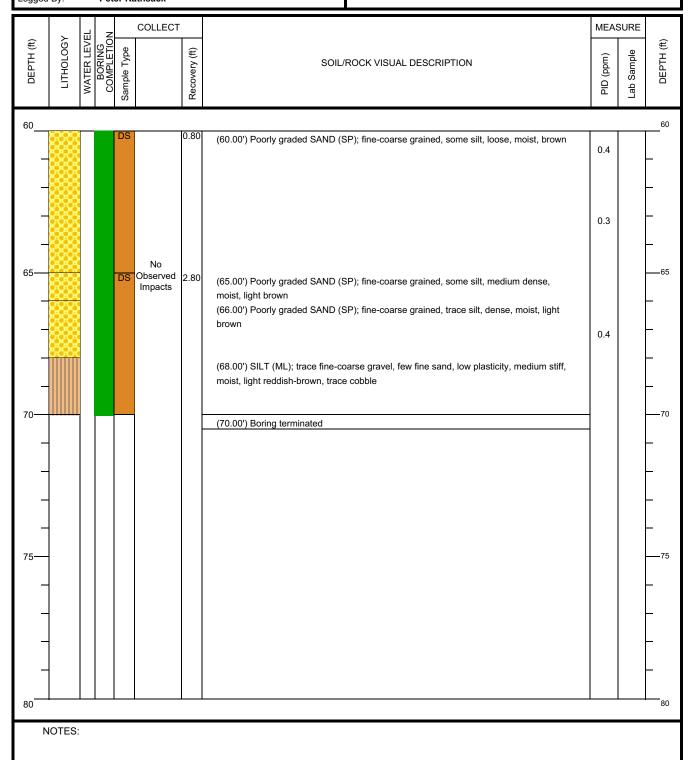
Drilling Method: Sonic

Driller: CRS XL 140 DUO
Driller: Patrick Slavin
Logged By: Peter Rathsack

Boring Depth (ft): 70

Boring Diameter (in): 4.00

Sampling Method(s): DS - Dedicated Plastic Sonic Sleeve



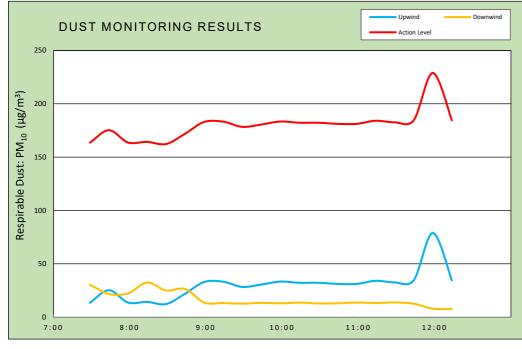
DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York

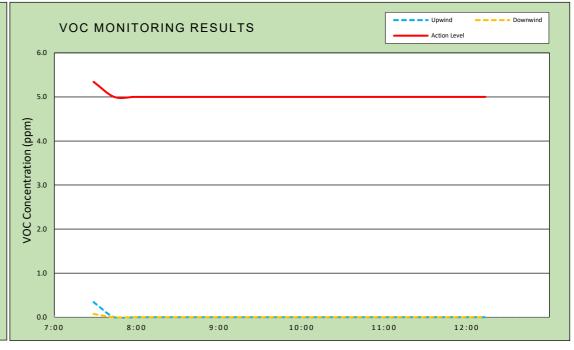
06/14/2023				
Rev. No. 0	1 of 2			
Project N	Number:			
Dust Action Leve	150 µg/m³			
VOC Action Leve	el	5 ppm		

37 W	'. 37th St, 6th	Floor - New	York, NY
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Weather Data Range for Work Day		Wind Direction	S	Relative Humidity (%) 56.0 - 79.0		Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind	
Temperature (°F)	66.0 - 78.0	Wind Speed (MPH)	1.3 - 4.0	Barometer (inHg)	29.60 - 29.60	Avg. Dew Point Temp (°F)	60.7	concentrations.	

Station Location	Daily Avg. Dust Concentration (µg/m³)	Max 15-Min Dust Concentration (μg/m³)	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	30.2	79.1	11:57	0.0	2.3	7:19
— Downwind —	16.2	43.7	7:17	0.0	0.1	7:39

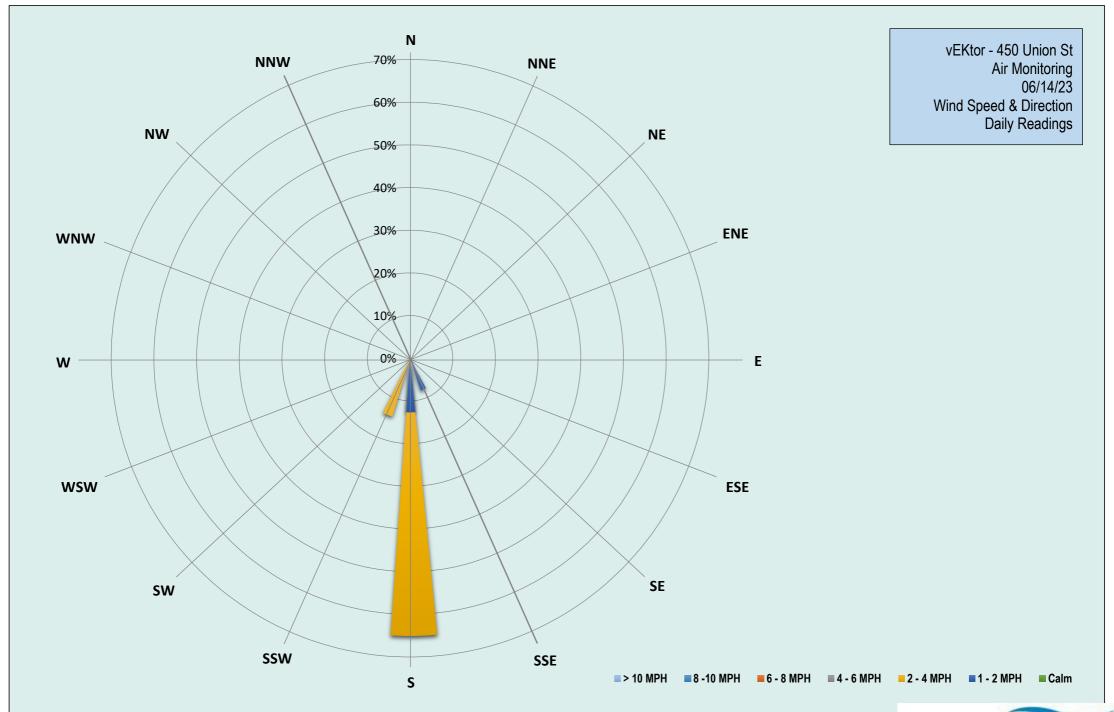




Air Monitoring Notes:

Weather Notes:







Wednesday, June 14, 2023

Number of Instances Where Downwind Particulates

20 Number of Comparable Data Points =

7:29 **Start Time:** 12:14

End Time:

PARTICULATE DATA

	Upwind		Downwind	
Time	15-Min Avg Concentration (ug/m³)	Time	15-Min Avg Concentration (ug/m³)	Exceeds Particulate Alarm Limit
7:29	13.5	7:29	30.4	-
7:44	25.2	7:44	21.7	-
7:59	13.7	7:59	22.3	-
8:14	14.3	8:14	32.4	-
8:29	12.3	8:29	25.0	-
8:44	22.0	8:44	26.4	-
8:59	33.0	8:59	13.7	-
9:14	33.2	9:14	13.2	-
9:29	28.4	9:29	12.7	-
9:44	30.6	9:44	13.4	-
9:59	33.4	9:59	13.0	-
10:14	32.2	10:14	13.6	-
10:29	32.2	10:29	12.8	-
10:44	31.2	10:44	13.0	-
10:59	31.2	10:59	13.7	-
11:14	34.1	11:14	13.3	-
11:29	32.6	11:29	13.8	-
11:44	34.6	11:44	12.6	-
11:59	78.9	11:59	7.9	-
12:14	34.5	12:14	7.7	-

Exceedance Level

> 163.5 175.2 163.7 164.3 162.3

172.0 183.0 183.2 178.4 180.6 183.4 182.2 182.2 181.2 181.2 184.1 182.6 184.6 228.9 184.5

Upwind DustTrak Data Summary				
Daily Maximum	494.8	ug/m ³		
Daily Minimum	0.0	ug/m ³		
Daily Average	30.2	ug/m ³		
Maximum 15-Minute Average	78.9	ug/m ³		

Downwind DustTrak Data Summary				
Daily Maximum	121.0	ug/m ³		
Daily Minimum	6.0	ug/m ³		
Daily Average	16.2	ug/m ³		
Maximum 15-Minute Average	32.4	ug/m ³		

Wednesday, June 14, 2023 Number of Instances Where Downwind VOCs Exceeds Number of Comparable Data Points =

Start Time: 7:30

PID DATA

ena rime:	12:1

PID DATA							
	Upwind		Downwind				
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	E		
7:30	0.3	7:30	0.1	-			
7:45	0.0	7:45	0.0	-			
8:00	0.0	8:00	0.0	-			
8:15	0.0	8:15	0.0	-			
8:30	0.0	8:30	0.0	-			
8:45	0.0	8:45	0.0	-			
9:00	0.0	9:00	0.0	-			
9:15	0.0	9:15	0.0	-			
9:30	0.0	9:30	0.0	-			
9:45	0.0	9:45	0.0	-			
10:00	0.0	10:00	0.0	-			
10:15	0.0	10:15	0.0	-			
10:30	0.0	10:30	0.0	-			
10:45	0.0	10:45	0.0	-			
11:00	0.0	11:00	0.0	-			
11:15	0.0	11:15	0.0	-			
11:30	0.0	11:30	0.0	-			
11:45	0.0	11:45	0.0	-			
12:00	0.0	12:00	0.0	-			
12:15	0.0	12:15	0.0	-	ı		

Exceedance Level

5.3 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0

5.05.05.0

Upwind PID Data Summary			
Daily Maximum	2.3	ppm	
Daily Minimum	0.0	ppm	
Daily Average	0.0	ppm	
Maximum 15-Minute Average	0.3	ppm	

Downwind 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	