DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	Date:	06/12/2023
Project Name:	450 Union Street	Weather:	Overcast, 70-75 °F
Client:	2201 Union LLC	Time:	8:00 – 15:25

Personnel On-Site:

Environmental Consultant: Vektor Consultants - Peter Rathsack, Ezgi Karayel

GZA: Daniel Tessar

Coastal Environmental Solutions - Patrick Slavin, Dylan Slavin

NYSDEC Representative: Megan Medwid

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-1 was measured and marked according to the RSOWP.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed one boring (DB-1) to a depth of 80 feet bgs to assess the extent of non-aqueous phase liquid (NAPL) and GCM at the site.
- GCM as evidenced by staining, sheen, odors, and PID readings was encountered starting at a depth of
 approximately 25 feet below grade surface (bgs). Visually impacted soils continued until approximately 55
 feet. Coated coal tar was observed between 25 to 45 feet, staining between 40 to 55 feet. Olfactory and PID
 evidence of impacted soils continued until approximately 70 feet. Therefore, DB-1 was advanced to 80 feet
 bgs (i.e.: 10 feet of material without evidence of GCM).
- Two shake tests were conducted for the initial suspected GCM at 26-28 feet interval, and a second shake test was conducted to confirm lack of NAPL below 70 feet at 70-72 feet interval.
- 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-1 (26'- 28') from 26 to 28 feet bgs, DB-1 (28'-30') from 28 to 30 feet bgs (on hold), and DB-1 (70'-72') from 70 to 72 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.

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

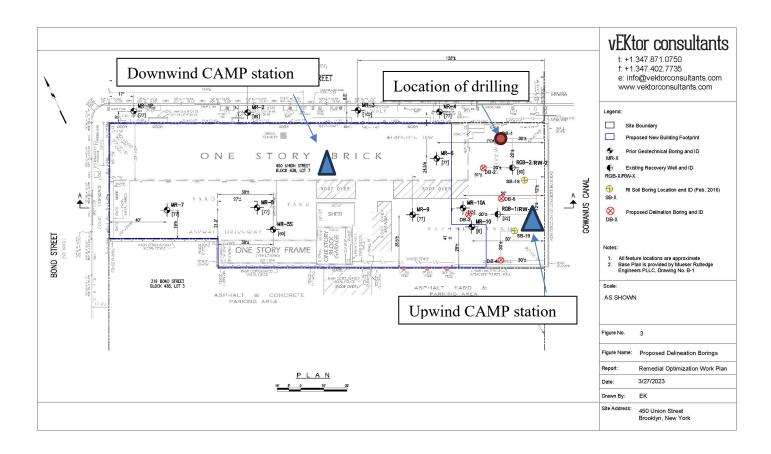
BCP No: C224219 June 12, 2023

The Dusttrak II on the Upwind CAMP station malfunctioned causing it to read the highest recordable level capable by the machine. A representative for the CAMP rental equipment company provided over the phone troubleshooting assistance but was unable to provide a solution. A replacement Dusttrak was delivered at the end of the day.

Planned Activities for the Next Day

Drilling of DB-2.

SITE PLAN / WORK AREAS



BCP No: C224219 June 12, 2023

PHOTO LOG

Photo 1: View of Coastal Environmental Solutions mobilizing sonic drill rig prior to drilling DB-1 facing northeast.



Photo 2: View of upwind CAMP station facing east



Photo 3: View of DB-1 sonic sleeves 20 to 25 feet and 25 to 30 feet. Coating and staining of coal tar is visible.



BCP No: C224219

Photo 4: View of shake tests preformed on DB-1 26 to 28 feet and DB-1 70 to 72 feet.



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

BORING LOG

Boring No. DB-1 Page: 1 of 4

Drilling Start Date: **06/12/2023 8:00**Drilling End Date: **06/12/2023 11:00**

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

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

Boring Depth (ft): 80

Boring Diameter (in): 4.00

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

	COLLECT		COLLECT				MEA	SURE		
ОЕРТН (ft)	LITHOLOGY		COLOR CODE	Sample Type		Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	PID (ppm)	Lab Sample	(#)
0										0
				DS		1.50	(0.00') Asphalt	0.5		
- - 5— -				DS		3.33	(5.00') Well-graded GRAVEL with sand (GW); mostly fine-coarse grained gravel, some fine-coarse sand, dense, dry, gray	0.2		5
10— - -	0.00			DS		2.50	(10.00') Fat CLAY (CH); few fine-medium sand, mostly clay, medium plasticity, stiff, moist, dark gray			10 10
-							(13.00') Well-graded SAND with gravel (SW); some fine-medium grained sand, some fine-coarse gravel, loose, moist, brown			1
15— - - -				DS		2.83	(15.00') SILT (ML); medium plasticity, medium stiff, moist, dark black (16.00') Fat CLAY with sand (CH); little fine-medium sand, high plasticity, stiff, wet, dark black	0		15
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Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-1 Page: 2 of 4

Drilling Start Date: 06/12/2023 8:00
Drilling End Date: 06/12/2023 11:00

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

Driller: CRS XL 140 DUO

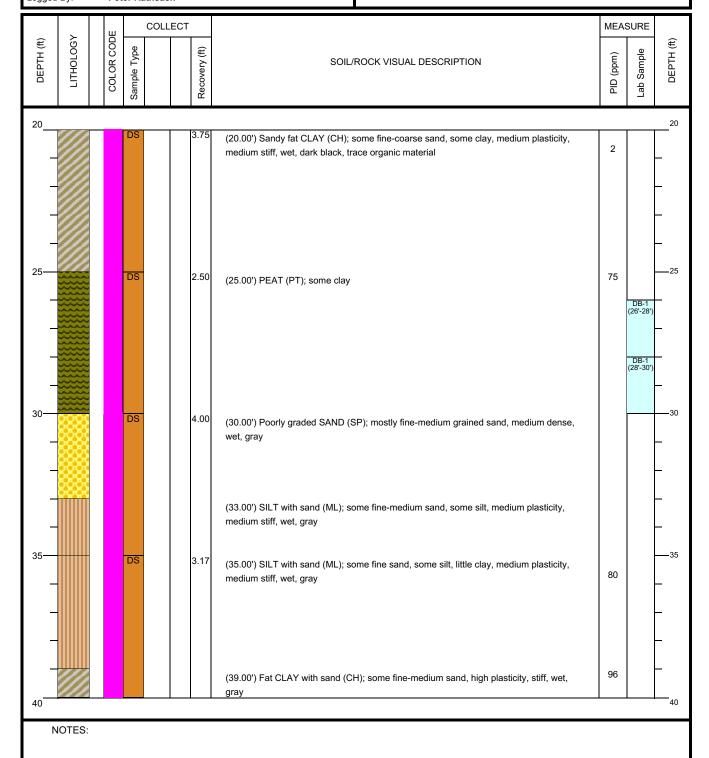
Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 80

Boring Diameter (in): 4.00

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



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Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

BORING LOG

Boring No. DB-1 Page: 3 of 4

Drilling Start Date: **06/12/2023 8:00**Drilling End Date: **06/12/2023 11:00**

Drilling Company: Costal Environmental Solutions

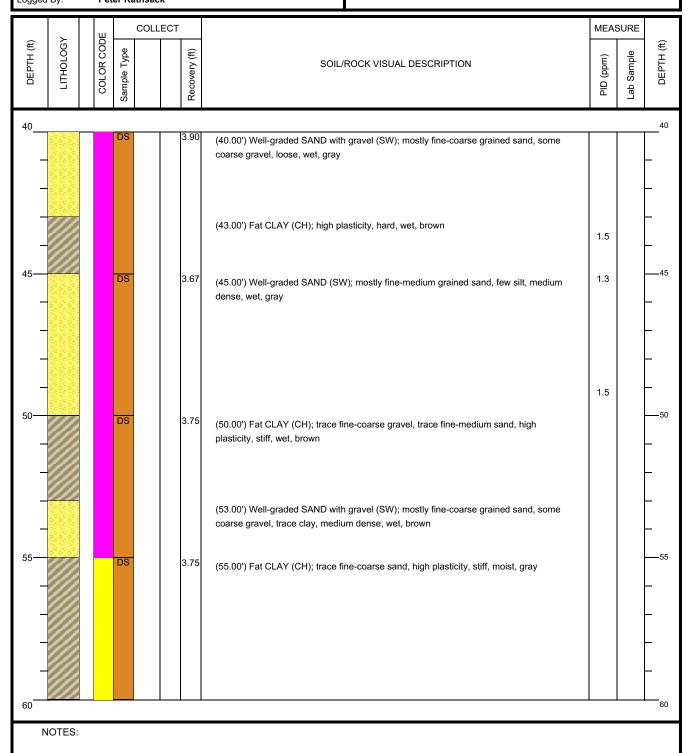
Drilling Method: Sonic

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Client: 2201 Union LLC

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BORING LOG

Boring No. DB-1 Page: 4 of 4

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Drilling Company: Costal Environmental Solutions

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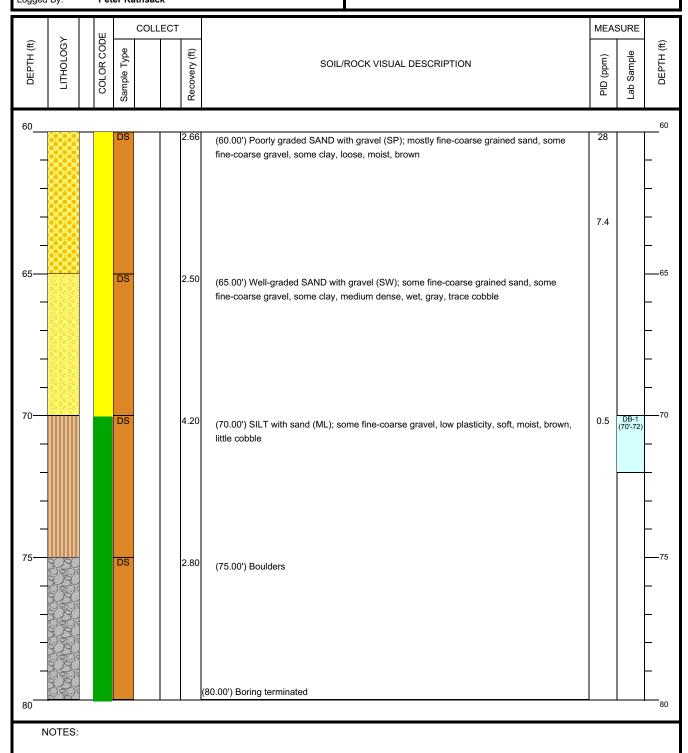
Driller: Patrick Slavin

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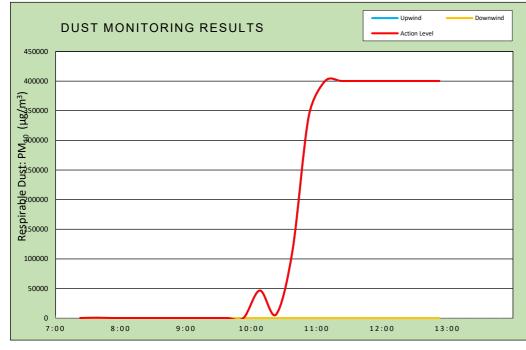
DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York

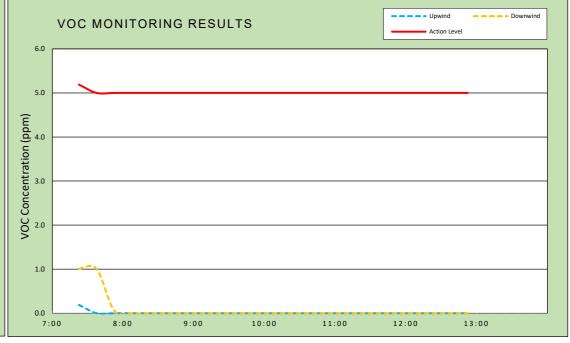
06/12/2023					
Rev. No. 0 Page 1 of 2					
Project N	Number:				
Dust Action Leve	150 µg/m³				
VOC Action Leve	5 ppm				

37 W.	37th St, 6th	Floor - New	York, NY
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Weather Data Range for Work Day Wind Direction			SE	Relative Humidity (%)	73.0 - 89.0	Daily Rain Total (in)	0.02	Readings in the summary table and graphs	
Temperature (°F)	66.0 - 75.0	Wind Speed (MPH)	2.4 - 5.2	Barometer (inHg)	29.80 - 29.80	Avg. Dew Point Temp (°F)	64.2	below are the reported downwind 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	152626.8	400000.0	11:12	0.0	0.3	7:25
— Downwind —	88.7	233.3	7:20	0.1	1.1	7:15

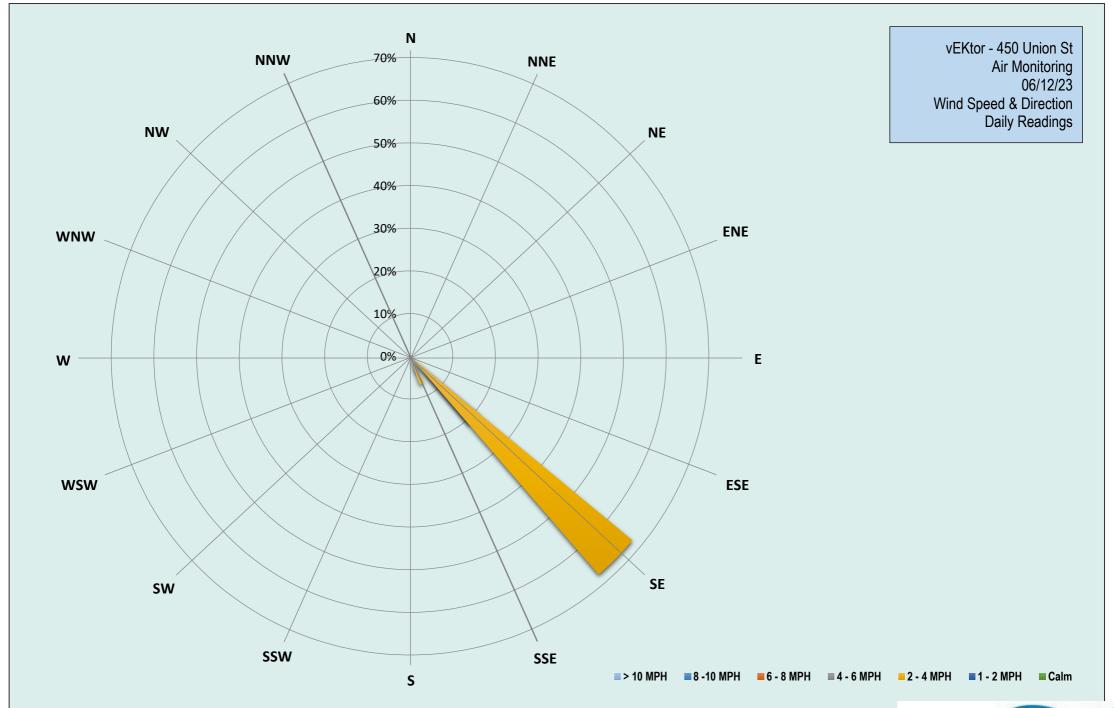




Air Monitoring Notes:

Weather Notes:







Monday, June 12, 2023 **Number of Instances Where Downwind Particulates** Number of Comparable Data Points = 23 **Start Time:** 7:23

12:53

End Time:

Lifu Tille. 12.55							
PARTICULATE DATA							
	Upwind		Downwind				
Time	15-Min Avg Concentration (ug/m³)	Time	15-Min Avg Concentration (ug/m³)	Exceeds Particulate Alarm Limit	Exceedance Level		
7:23	101.2	7:23	213.3	-	251.2		
7:38	582.5	7:38	90.2	-	732.5		
7:53	95.6	7:53	92.4	-	245.6		
8:08	94.0	8:08	93.1	-	244.0		
8:23	95.3	8:23	93.1	-	245.3		
8:38	95.5	8:38	91.4	-	245.5		
8:53	96.3	8:53	91.2	-	246.3		
9:08	97.3	9:08	91.5	-	247.3		
9:23	96.5	9:23	87.8	-	246.5		
9:38	98.4	9:38	87.3	-	248.4		
9:53	95.8	9:53	87.8	-	245.8		
10:08	46589.0	10:08	83.8	-	46739.0		
10:23	6168.3	10:23	81.5	-	6318.3		
10:38	113206.7	10:38	79.9	-	113356.7		
10:53	340856.0	10:53	77.4	-	341006.0		
11:08	399946.7	11:08	81.3	-	400096.7		
11:23	400000.0	11:23	84.0	-	400150.0		
11:38	400000.0	11:38	76.3	-	400150.0		
11:53	400000.0	11:53	72.6	-	400150.0		
12:08	400000.0	12:08	74.0	-	400150.0		
12:23	400000.0	12:23	74.2	-	400150.0		
12:38	400000.0	12:38	72.3	-	400150.0		
				ī.			

12:53

400000.0

12:53

69.3

400150.0

251.2			
732.5	Upwind DustTrak Dat	a Summary	
245.6	Daily Maximum	400000.0	ug/m ³
244.0	Daily Minimum	0.0	ug/m ³
245.3	Daily Average	152626.8	ug/m ³
245.5	Maximum 15-Minute Average	400000.0	ug/m ³

Downwind DustTrak Data Summary					
Daily Maximum	283.0	ug/m³			
Daily Minimum	65.5	ug/m ³			
Daily Average	88.7	ug/m ³			
Maximum 15-Minute Average	213.3	ug/m ³			

Monday, June 12, 2023

Number of Instances Where Downwind VOCs Exceeds

Number of Comparable Data Points =

Start Time: 7:29

End Time: 12:59

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PID DATA						
	Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exc	
7:29	0.2	7:29	1.0	-		
7:44	0.0	7:44	1.0	-		
7:59	0.0	7:59	0.1	-		
8:14	0.0	8:14	0.0	-		
8:29	0.0	8:29	0.0	-		
8:44	0.0	8:44	0.0	-		
8:59	0.0	8:59	0.0	-		
9:14	0.0	9:14	0.0	-		
9:29	0.0	9:29	0.0	-		
9:44	0.0	9:44	0.0	-		
9:59	0.0	9:59	0.0	-		
10:14	0.0	10:14	0.0	-		
10:29	0.0	10:29	0.0	-		
10:44	0.0	10:44	0.0	-		
10:59	0.0	10:59	0.0	-		
11:14	0.0	11:14	0.0	-		
11:29	0.0	11:29	0.0	-		
11:44	0.0	11:44	0.0	-		
11:59	0.0	11:59	0.0	-		
12:14	0.0	12:14	0.0	-		
12:29	0.0	12:29	0.0	-		
12:44	0.0	12:44	0.0	-		
12:59	0.0	12:59	0.0	-		

ceedance Level

5.2 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 5.0 5.0 5.0 5.0 5.0 5.0 5.0

Maximum 15-Minute Average	0.2	ppm
Downwind PID Data	Summary	
Daily Maximum	1.2	ppm
Daily Minimum	0.0	ppm
Daily Average	0.1	ppm
Maximum 15-Minute Average	1.0	ppm

Daily Maximum

Daily Minimum

Daily Average

Upwind PID Data Summary

0.3 ppm

0.0 ppm

0.0 ppm 0.2 ppm