#### **DAILY STATUS REPORT**

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	Date:	06/16/2023
Project Name:	450 Union Street	Weather:	Sun, Rain, 70-75 °F
Client:	2201 Union LLC	Time:	7:00 – 14:00

#### Personnel On-Site:

Environmental Consultant: Vektor Consultants - Peter Rathsack, Peter Thao, Ezgi Karayel

GZA: Matt Del Blazo

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 locations for DB-8, DB-11, and DB-12 were measured and marked according to the RSOWP.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-8). DB-8 was installed to a
  depth of 50 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 32 feet below grade surface (bgs). Visual and olfactory evidence of impacted soils continued until approximately 37 feet. No olfactory or PID evidence of impacted soils were present below 37 feet bgs.
  - A shake test was conducted for suspected GCM at 32-34 feet interval and revealed a small amount of LNAPL. A second shake test was conducted to confirm lack of NAPL below 37 feet at the 37-38 feet interval.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-11). DB-11 was installed to
  a depth of 50 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 not encountered in any portion of the boring.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-12). DB-12 was installed to a depth of 50 feet bgs to assess the extent of non-aqueous phase liquid (NAPL) and GCM at the site.
  - No GCM as evidenced by staining, sheen, odors, and PID readings was encountered in any portion of the boring.
- All soil cuttings were placed into a 55-gallon drum at the Site for future off-site disposal, all borings were backfilled with a concrete slurry.

#### Samples Collected:

• Vektor collected coal tar delineation samples from DB-8 (32'- 34') from 32 to 34 feet bgs, and DB-8 (37'-38') from 37 to 38 feet bgs. Vektor collected coal tar delineation samples to confirm a lack of GCM from DB-11 (33'-35') from 33 to 35 feet bgs. (On Hold), DB-11 (36'-38) from 36 to 38 feet bgs. (On Hold), and DB-12 (45'-47') from 45 to 47 feet (On Hold). 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-3) was also collected to be analyzed for the same parameters. One trip blank (TB-3) was included in the samples delivered to the lab.



BCP No: C224219 June 15, 2023

#### **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.

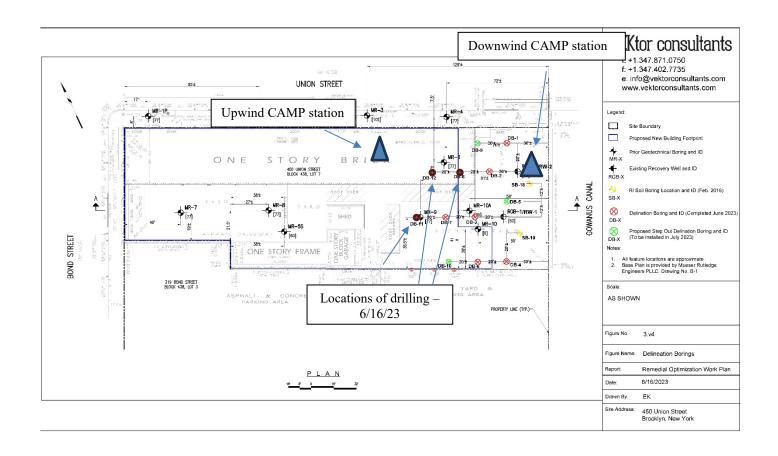
**Problems Encountered** 

N/A

**Planned Activities for the Next Day** 

N/A

#### **SITE PLAN / WORK AREAS**



BCP No: C224219 June 15, 2023

### **PHOTO LOG**

Photo 1: View of CAMP station and Coastal Environmental Solutions setting up Sonic Drill Rig CRS XL 140 DUO



Photo 2: View of DB-8 sonic sleeves 30 to 35 feet bgs. and 35 to 40 feet bgs.



BCP No: C224219 June 15, 2023

Photo 3: View of shake test from DB-8 32 to 34 feet bgs and shake test DB-8 37-38.



Photo 4: View of DB-11 sonic sleeves 30 to 35 feet and 35 to 40 feet.

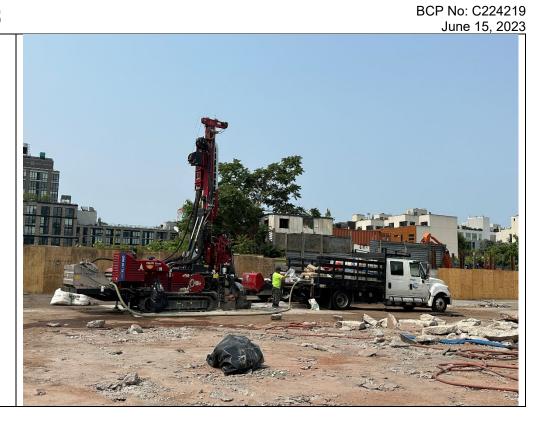


BCP No: C224219

Photo 5: View of DB-12 sonic sleeves 10 to 15 feet and 35 to 40 feet.



Photo 6: View of Coastal Environmental Solutions grouting DB-11.



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-8 Page: 1 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

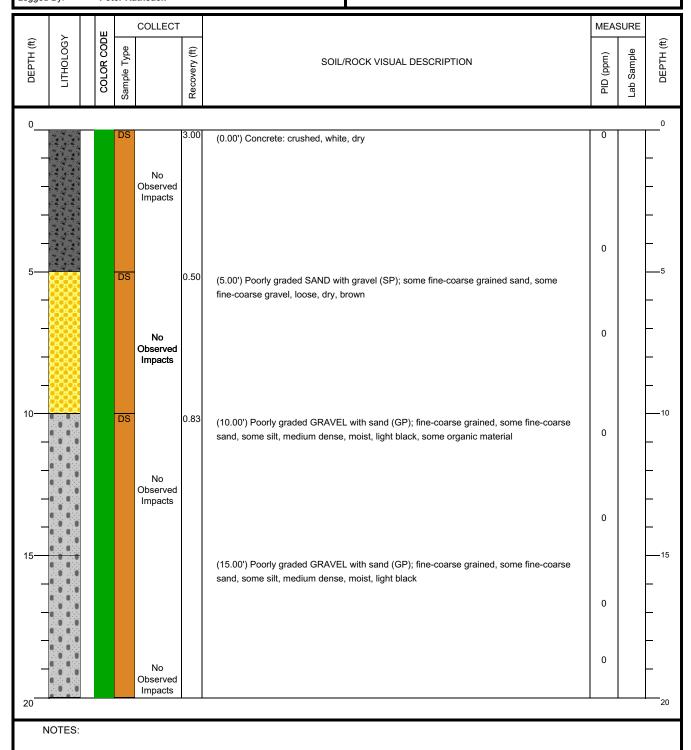
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-8 Page: 2 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

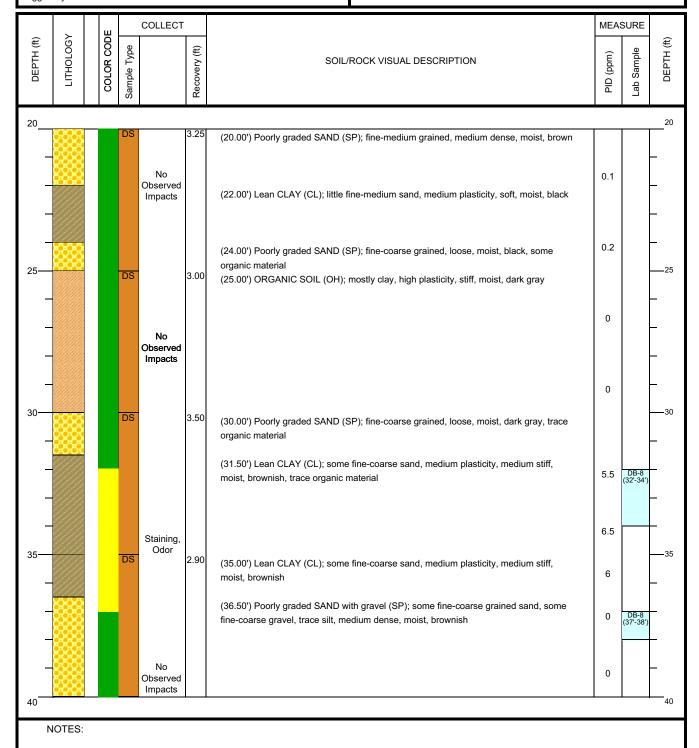
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-8 Page: 3 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

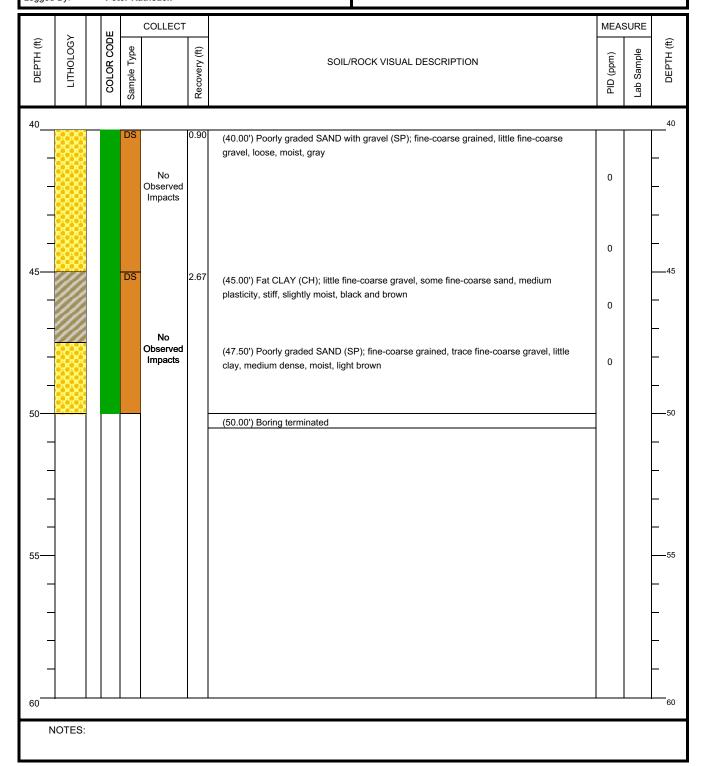
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-11 Page: 1 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

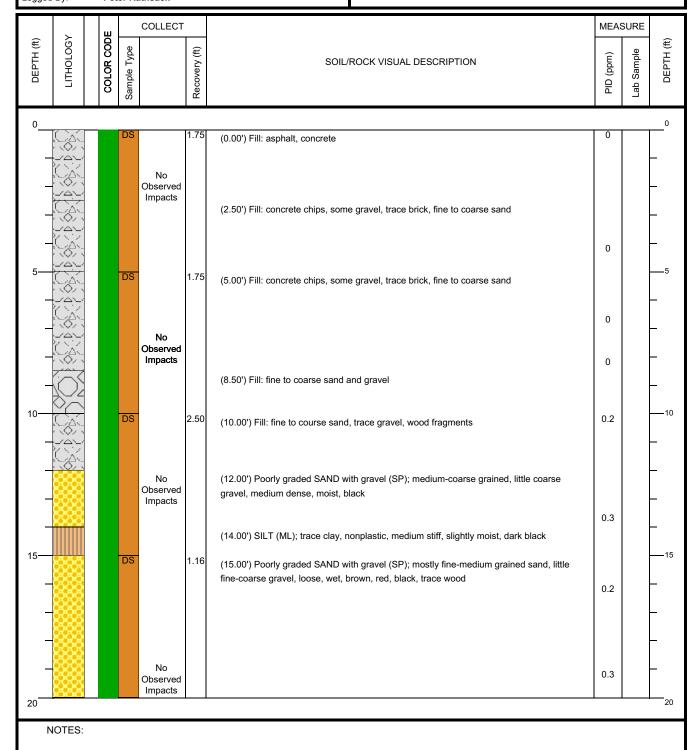
Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

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

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-11 Page: 2 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

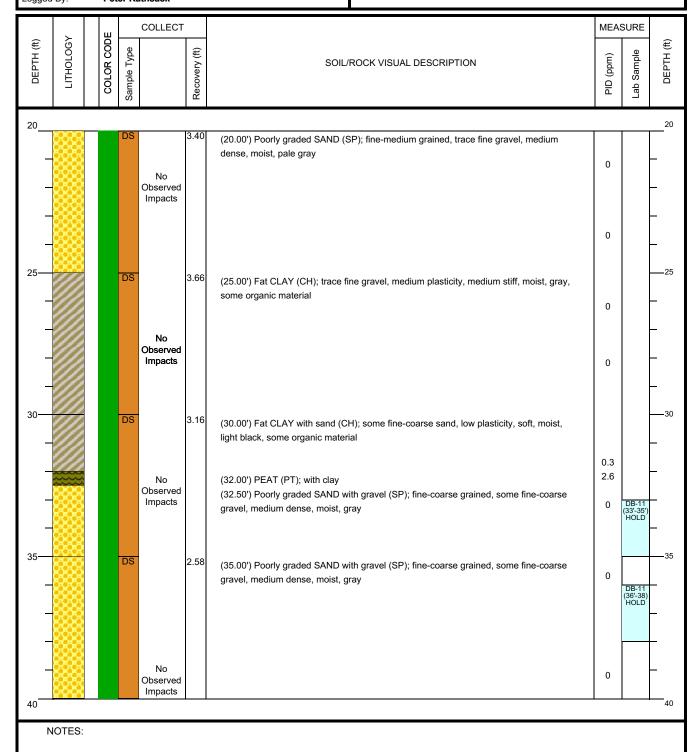
Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

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

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-11 Page: 3 of 3

Drilling Start Date: **6/16/2023**Drilling End Date: **6/16/2023** 

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

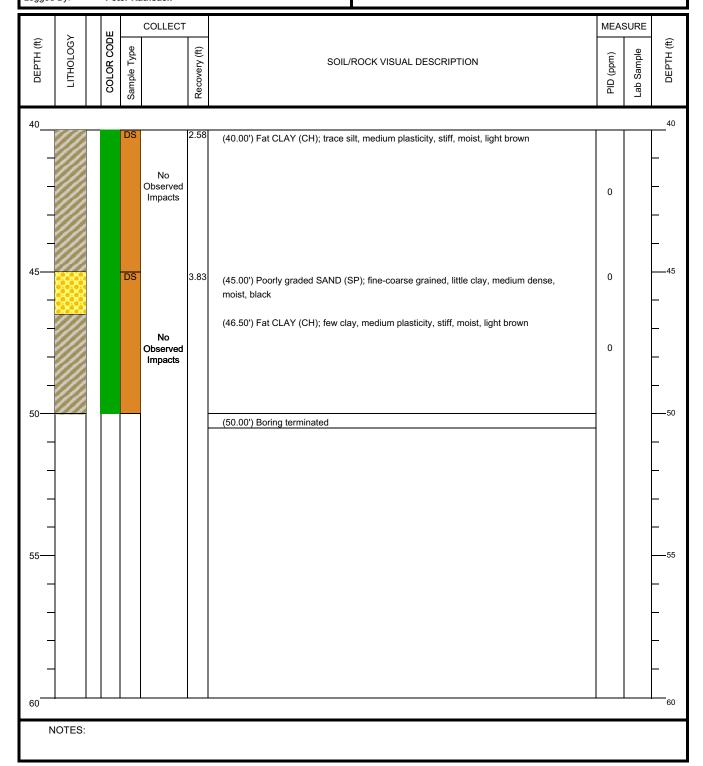
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-12 Page: 1 of 3

Drilling Start Date: 6/16/2023

Drilling End Date: 6/16/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

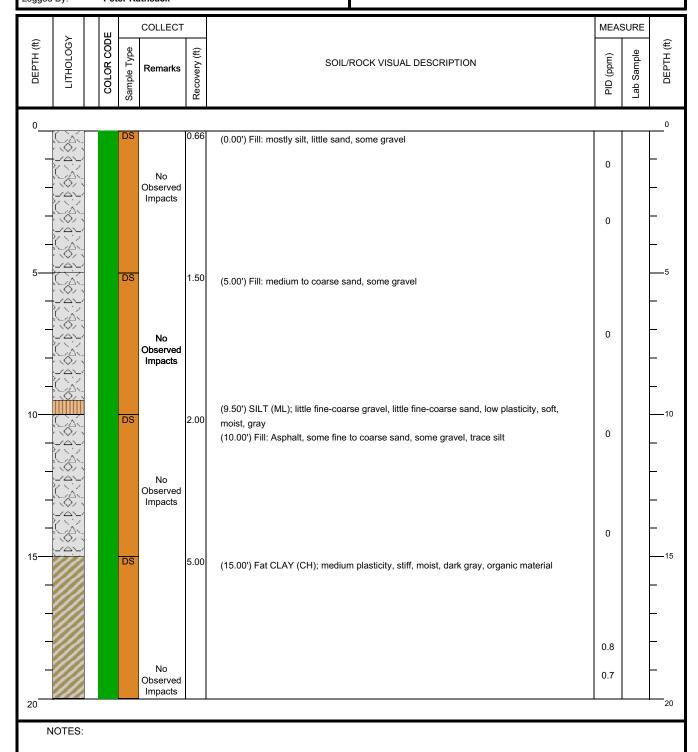
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

450 Union

Project: Address: 450 Union Street, Brooklyn, NY PRELIMINARY BORING LOG

Boring No. DB-12 Page: 2 of 3

Drilling Start Date: 6/16/2023 6/16/2023 Drilling End Date:

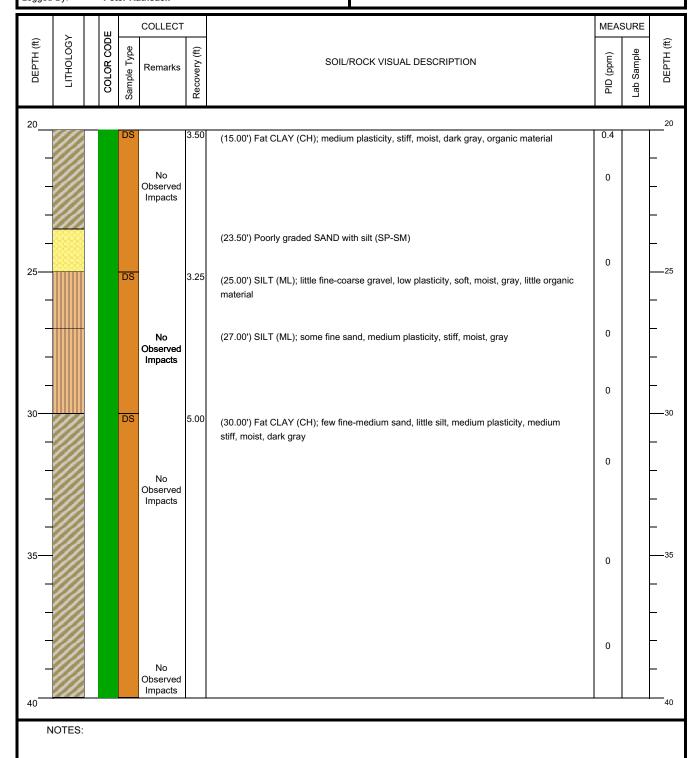
Drilling Company: Costal Environmental Solutions

Drilling Method:

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

Boring Depth (ft): 50

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-12 Page: 3 of 3

Drilling Start Date: **6/16/2023**Drilling End Date: **6/16/2023** 

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

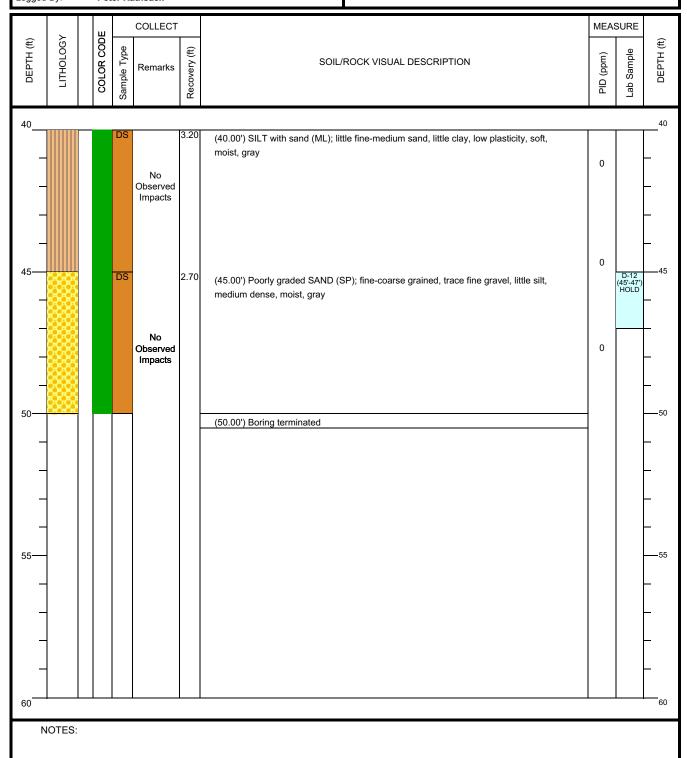
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



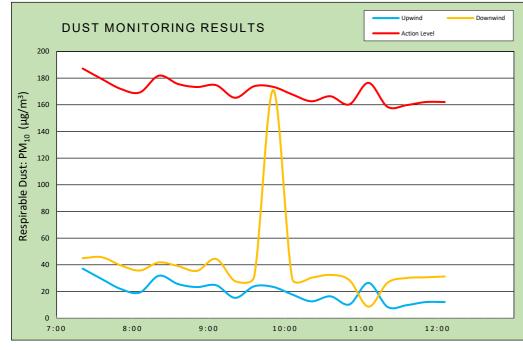
# DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York

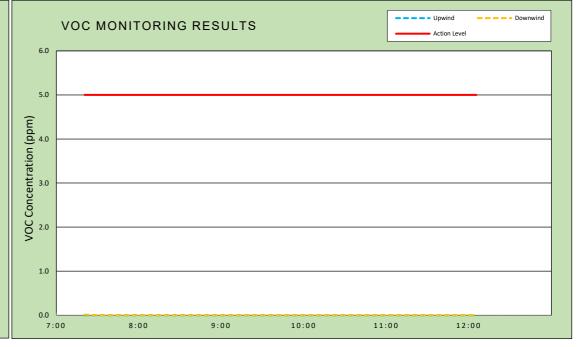
06/16/2023					
Rev. No. 0 Page 1 of 2					
Project Number:					
Dust Action Leve	150 µg/m³				
VOC Action Leve	el	5 ppm			

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

Weather Data Range for V	Vork Day	Wind Direction	W	Relative Humidity (%)	34.0 - 73.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind
Temperature (°F)	66.0 - 82.0	Wind Speed (MPH)	0.5 - 2.9	Barometer (inHg)	29.70 - 29.80	Avg. Dew Point Temp (°F)	54.2	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	20.2	62.7	7:10	0.0	0.0	7:07
— Downwind —	39.6	171.1	9:52	0.0	0.0	7:38

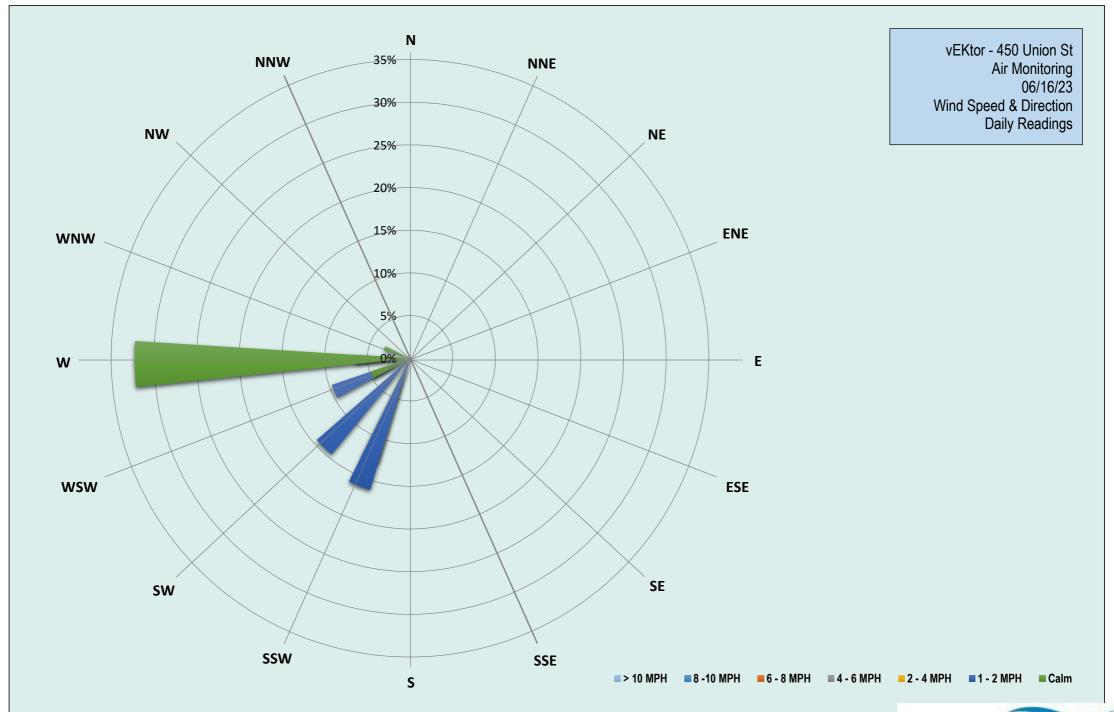




**Air Monitoring Notes:** 

**Weather Notes:** 







Friday, June 16, 2023

**Number of Instances Where Downwind Particulates** 

Number of Comparable Data Points = 20

 Start Time:
 7:21

 End Time:
 12:06

End Time: 1

			Liiu Tiille.	12.00		
	PARTICULATE DATA					
	Upwind Downwind					
Time	15-Min Avg Concentration (ug/m³)	Time	15-Min Avg Concentration (ug/m³)	Exceeds Particulate Alarm Limit		
7:21	37.2	7:21	45.0	-		
7:36	29.3	7:36	45.7	-		
7:51	21.9	7:51	39.6	-		
8:06	19.3	8:06	35.7	-		
8:21	31.8	8:21	41.8	-		
8:36	25.6	8:36	39.0	-		
8:51	23.3	8:51	35.5	-		
9:06	24.7	9:06	44.4	-		
9:21	15.2	9:21	27.7	-		
9:36	23.9	9:36	31.1	-		
9:51	23.4	9:51	171.1	-		
10:06	17.7	10:06	29.6	-		
10:21	12.6	10:21	30.4	-		
10:36	16.4	10:36	32.4	-		
10:51	10.3	10:51	28.5	-		
11:06	26.4	11:06	8.6	-		
11:21	8.4	11:21	26.6	-		
11:36	9.7	11:36	30.1	-		
11:51	12.1	11:51	30.6	-		
12:06	12.0	12:06	31.3	-		

Exceedance Level

187.2 179.3 171.9 169.3 181.8 175.6 173.3 174.7 165.2

175.6 173.3 174.7 165.2 173.9 173.4 167.7 162.6 166.4 160.3 176.4 158.4 159.7 162.1 162.0

Upwind DustTrak Data Summary						
Daily Maximum	245.8	ug/m <sup>3</sup>				
Daily Minimum	7.0	ug/m <sup>3</sup>				
Daily Average	20.2	ug/m <sup>3</sup>				
Maximum 15-Minute Average	37.2	ug/m <sup>3</sup>				

Downwind DustTrak Data Summary					
Daily Maximum	2048.5	ug/m³			
Daily Minimum	7.8	ug/m³			
Daily Average	39.6	ug/m <sup>3</sup>			
Maximum 15-Minute Average	171.1	ug/m³			

Friday, June 16, 2023 **Number of Instances Where Downwind VOCs Exceeds** Number of Comparable Data Points = **Start Time:** 7:21

**End Time:** 12:06

PID DATA					1
	Upwind		Downwind		1
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
7:21	0.0	7:21	0.0	-	5.0
7:36	0.0	7:36	0.0	-	5.0
7:51	0.0	7:51	0.0	-	5.0
8:06	0.0	8:06	0.0	-	5.0
8:21	0.0	8:21	0.0	-	5.0
8:36	0.0	8:36	0.0	-	5.0
8:51	0.0	8:51	0.0	-	5.0
9:06	0.0	9:06	0.0	-	5.0
9:21	0.0	9:21	0.0	-	5.0
9:36	0.0	9:36	0.0	-	5.0
9:51	0.0	9:51	0.0	-	5.0
10:06	0.0	10:06	0.0	-	5.0
10:21	0.0	10:21	0.0	-	5.0
10:36	0.0	10:36	0.0	-	5.0
10:51	0.0	10:51	0.0	-	5.0
11:06	0.0	11:06	0.0	-	5.0
11:21	0.0	11:21	0.0	-	5.0
11:36	0.0	11:36	0.0	-	5.0
11:51	0.0	11:51	0.0	-	5.0
12:06	0.0	12:06	0.0	-	5.0

Level		
5.0		
5.0	Upwind PID Data S	ummary
5.0	Daily Maximum	0.0 ppm

Daily Minimum

Daily Average Maximum 15-Minute Average

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

0.0 ppm 0.0 ppm

0.0 ppm