#### **DAILY STATUS REPORT**

Prepared By: Peter Rathsack

| NYSDEC BCP Site No: | C224219          | Date:    | 06/30/2023         |
|---------------------|------------------|----------|--------------------|
| Project Name:       | 450 Union Street | Weather: | Overcast, 70-85 °F |
| Client:             | 2201 Union LLC   | Time:    | 7:00 – 13:00       |

#### Personnel On-Site:

Environmental Consultant: Vektor Consultants - Peter Rathsack, Ezgi Karayel

GZA: Matt Del Blazo

Coastal Environmental Solutions - Patrick Slavin, Marc Morgenstern

WSP: Harry August

#### **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-5 and DB-13 were measured and marked according to the RSOWP.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-13). DB-13 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.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed boring (DB-5). DB-5 was installed 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 30 feet below grade surface (bgs). Coating, blebs and elevated PID reading were encountered from 35 to 40 feet bgs. No olfactory or PID evidence of impacted soils were present below 50 feet bgs.
  - A shake test was conducted for suspected GCM at 39-40 feet interval and did reveal evidence of LNAPL but did not reveal any evidence of 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-5 (39'- 40') from 39 to 40 feet bgs, and DB-5 (50'-51') from 50 to 51 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-5) was also collected to be analyzed for the same parameters. One trip blank (TB-5) 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

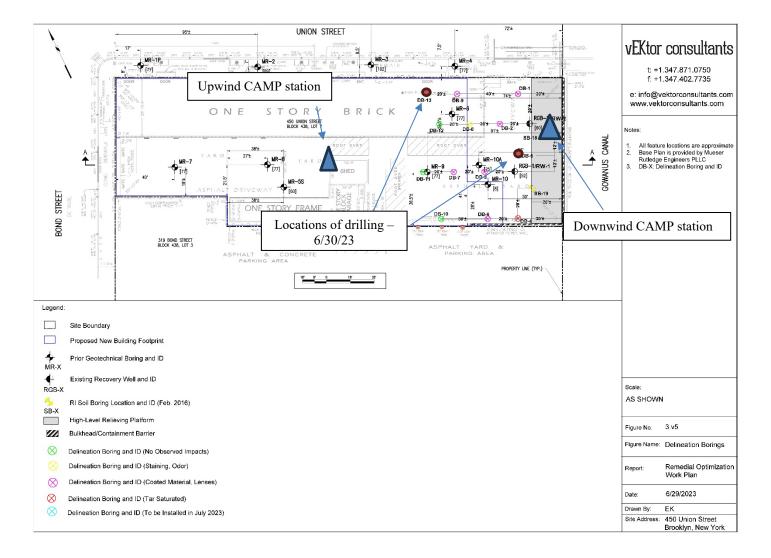
N/A

**Planned Activities for the Next Day** 

GCM delineation is currently scheduled to continue on July 10th

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

BCP No: C224219 June 29, 2023



BCP No: C224219 June 29, 2023

#### **PHOTO LOG**

Photo 1: View of the start of drilling at DB-13

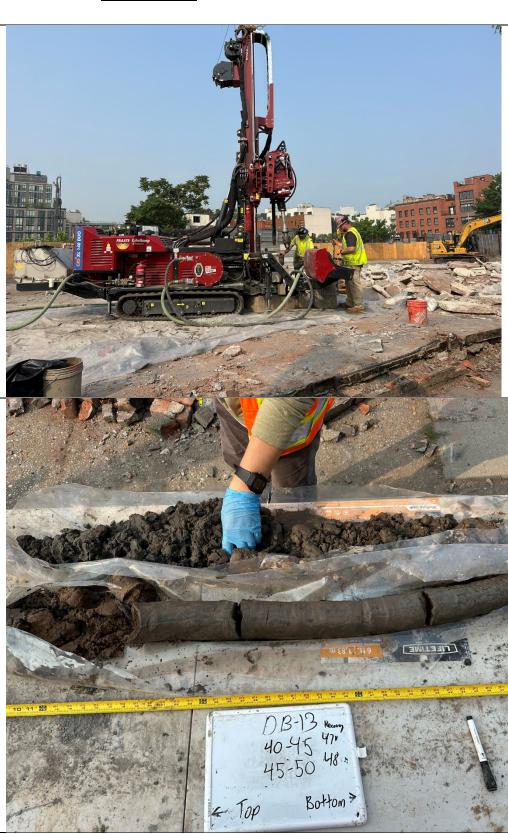


Photo 2: View of DB-13 sonic sleeves 40 to 45 feet bgs. and 45 to 50 feet bgs.

BCP No: C224219 June 29, 2023

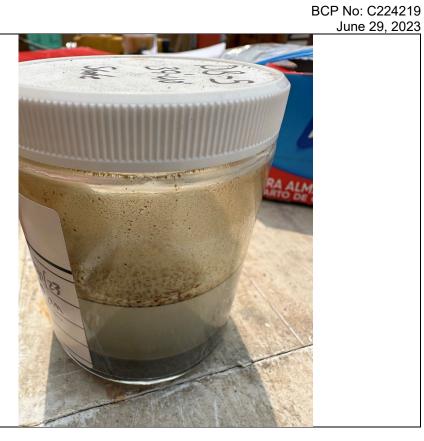
Photo 3: View of grouting at DB-



Photo 4: View of DB-5 sonic sleeves 30 to 35 feet and 35 to 40 feet. GMC evidence throughout both sleeves.



Photo 5: View of shake test taken from DB-5 39 to 40 feet below ground surface.



June 29, 2023

Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-5 Page: 1 of 5

Drilling Start Date: 6/30/2023

Drilling End Date: 6/30/2023

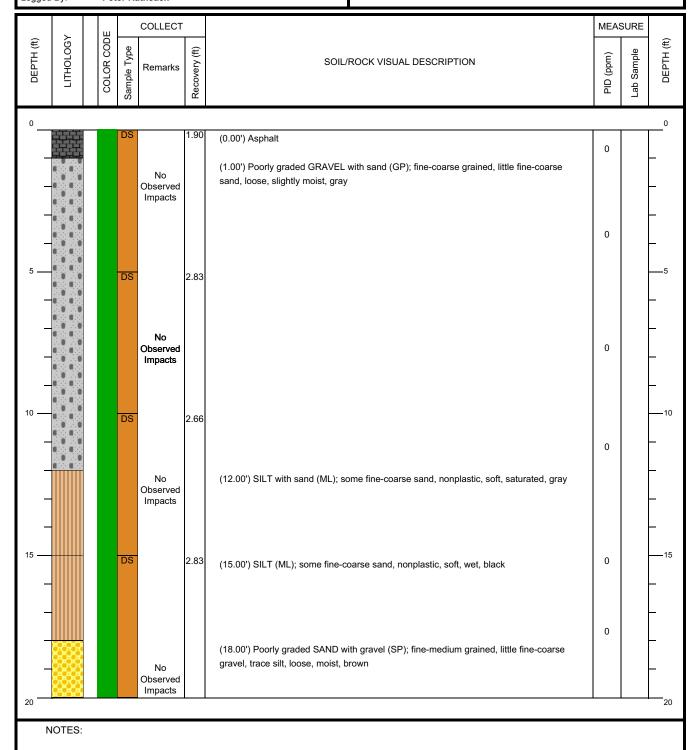
Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

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

Boring Depth (ft): 80

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-5 Page: 2 of 5

Drilling Start Date: 6/30/2023

Drilling End Date: 6/30/2023

Drilling Company: Costal Environmental Solutions

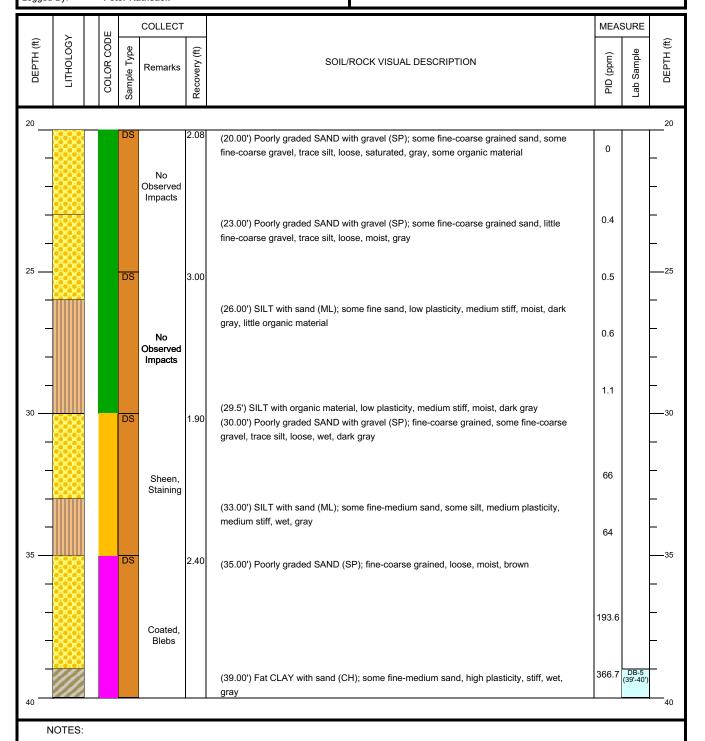
Drilling Method: Sonic

Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 80
Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-5 Page: 3 of 5

Drilling Start Date: 6/30/2023
Drilling End Date: 6/30/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

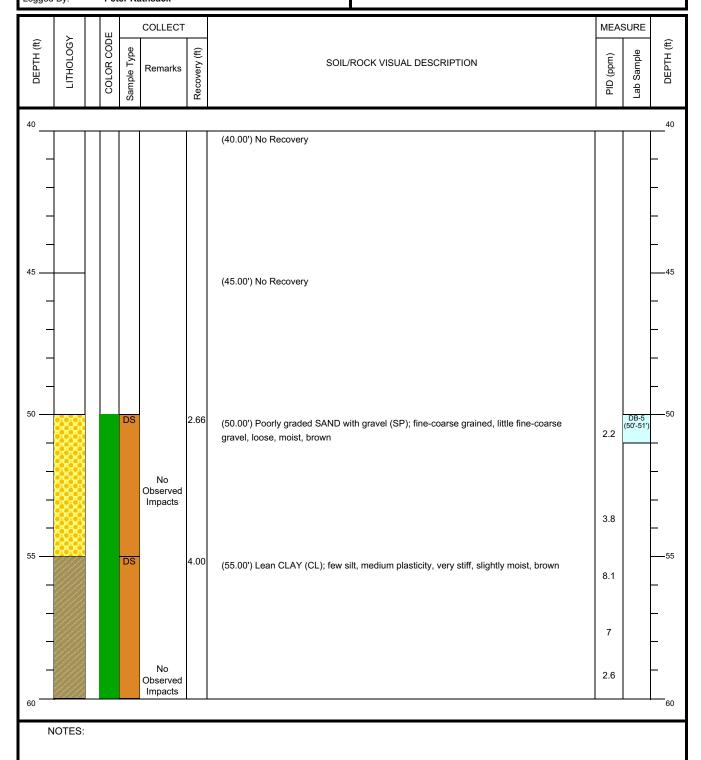
Drillier: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 80

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-5 Page: 4 of 5

Drilling Start Date: 6/30/2023

Drilling End Date: 6/30/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

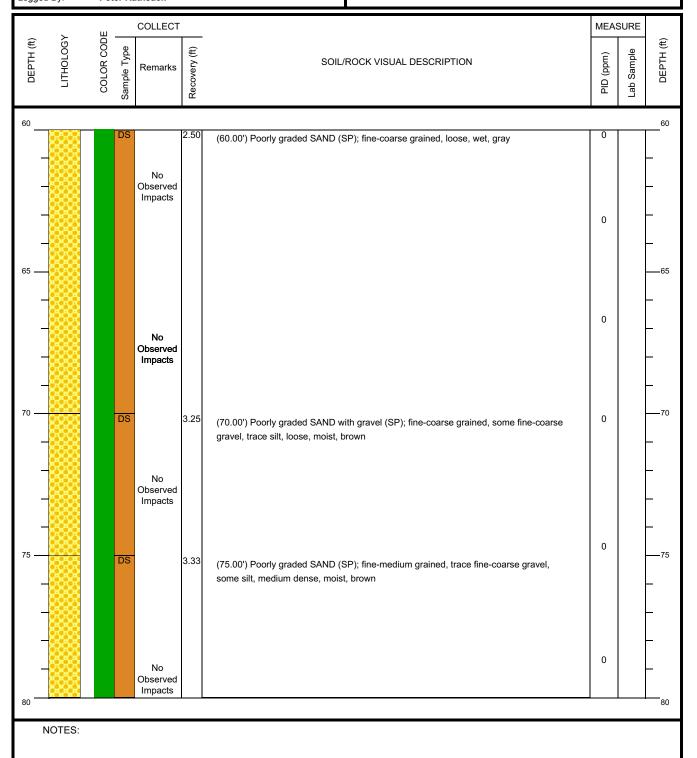
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 80

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-5 Page: 5 of 5

Drilling Start Date: 6/30/2023

Drilling End Date: 6/30/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

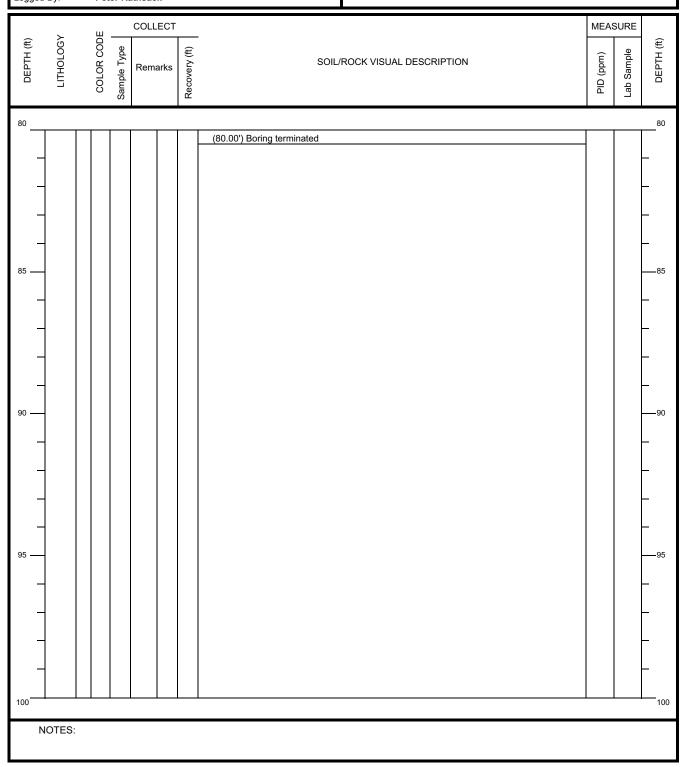
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 80

Boring Diameter (in): 4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-13 Page: 1 of 3

Drilling Start Date: 06/30/2023
Drilling End Date: 06/30/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

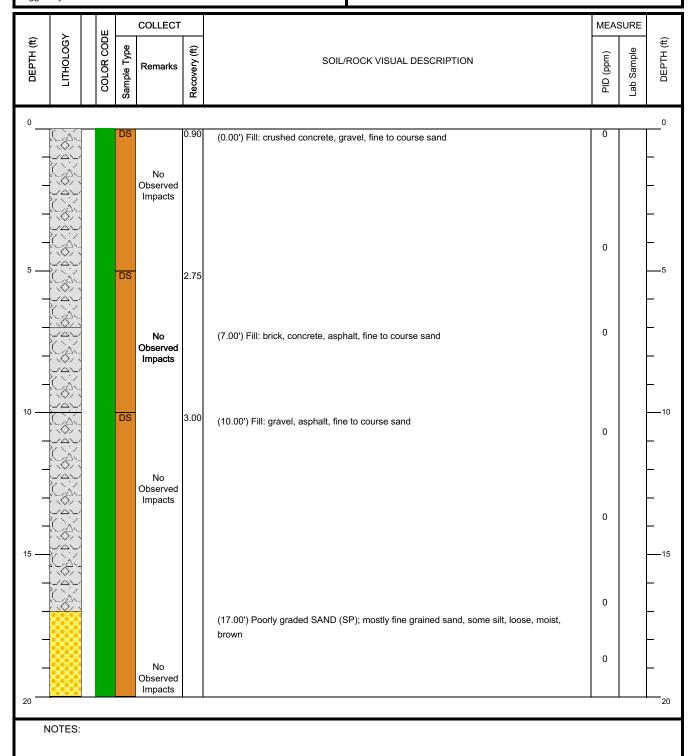
Driller: CRS XL 140 DUO

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-13 Page: 2 of 3

Drilling Start Date: 06/30/2023 06/30/2023 Drilling End Date:

Drilling Company: Costal Environmental Solutions

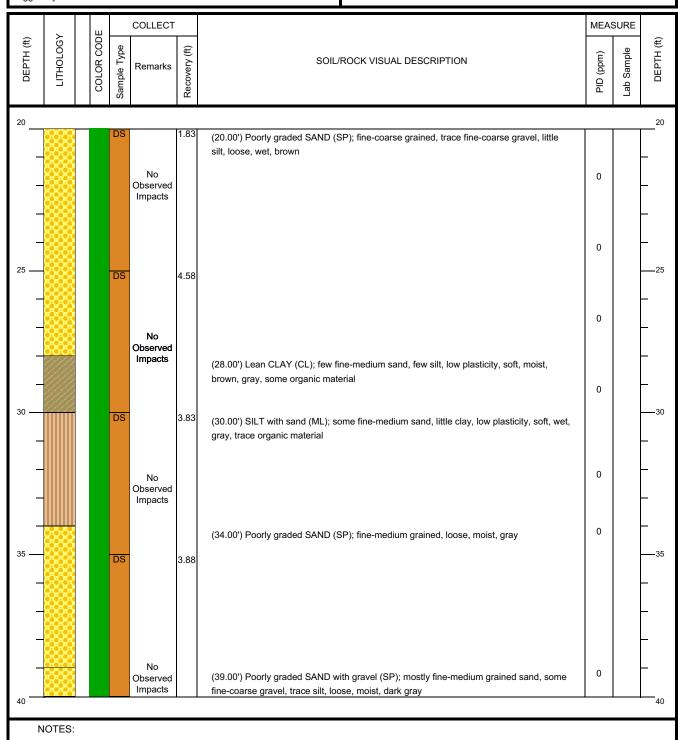
Drilling Method:

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

Boring Depth (ft): 50 Boring Diameter (in):

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

4.00



Client: 2201 Union LLC

Project: 450 Union

Address: 450 Union Street, Brooklyn, NY

PRELIMINARY BORING LOG

Boring No. DB-13 Page: 3 of 3

Drilling Start Date: 06/30/2023
Drilling End Date: 06/30/2023

Drilling Company: Costal Environmental Solutions

Drilling Method: Sonic

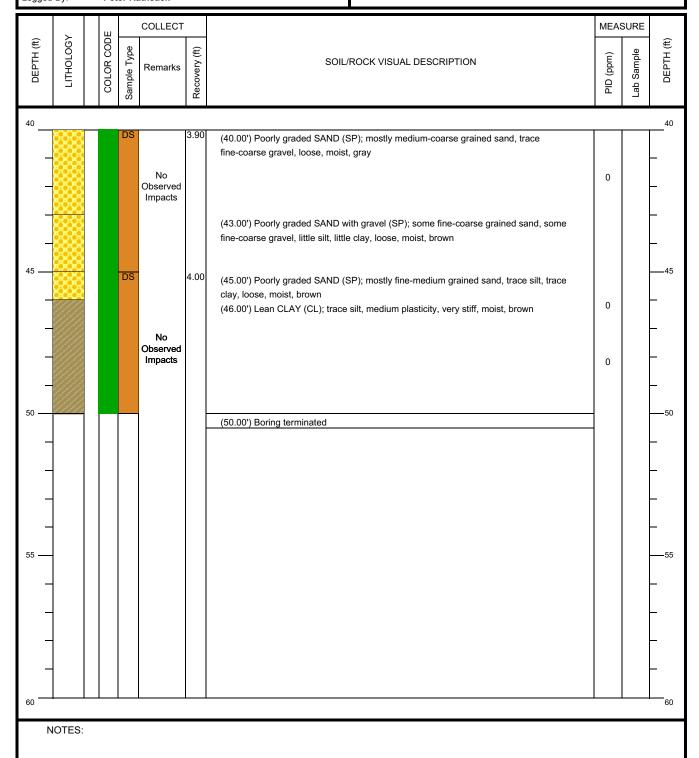
Driller: CRS XL 140 DUO

Driller: Patrick Slavin

Logged By: Peter Rathsack

Boring Depth (ft): 50

Boring Diameter (in): 4.00



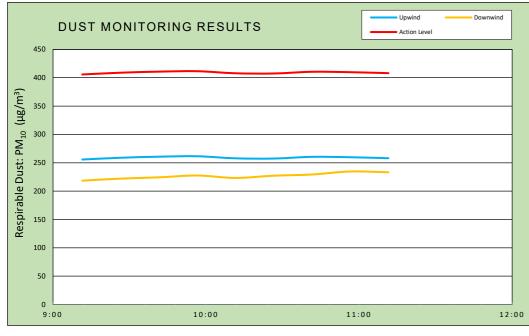
# DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York

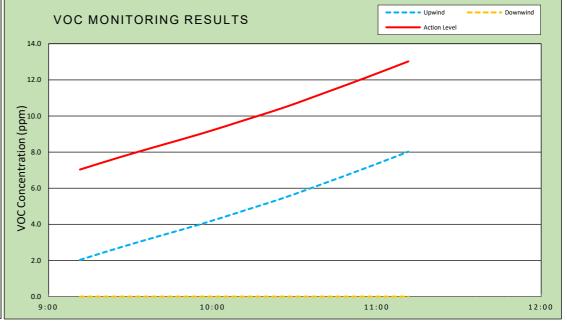
| 06/30/2023        |                  |           |  |  |
|-------------------|------------------|-----------|--|--|
| Rev. No. 0        | Page             | 1 of 2    |  |  |
| Project Number:   |                  |           |  |  |
| Dust Action Level |                  | 150 µg/m³ |  |  |
| VOC Action Leve   | VOC Action Level |           |  |  |

| 37 W. 3 | 7th St, 6th | Floor - New | York, NY |
|---------|-------------|-------------|----------|
|---------|-------------|-------------|----------|

| Weather Data Range for V | Vork Day    | Wind Direction   | WSW       | Relative Humidity (%) | 47.0 - 66.0   | Daily Rain Total (in)    | 0.00 | Readings in the summary table and graphs        |
|--------------------------|-------------|------------------|-----------|-----------------------|---------------|--------------------------|------|---|
| Temperature (°F)         | 75.0 - 83.0 | Wind Speed (MPH) | 0.6 - 1.8 | Barometer (inHg)      | 30.10 - 30.10 | Avg. Dew Point Temp (°F) | 62.1 | below are the reported downwind concentrations. |

| Station Location | Daily Avg. Dust Concentration (µg/m³) | Max 15-Min Dust<br>Concentration (μg/m³) | Time of Max Dust Reading | Daily Avg. VOC<br>Concentration (ppm) | Max 15-Min VOC<br>Concentration (ppm) | Time of Max VOC Reading |
|------------------|---------------------------------------|--|--------------------------|---------------------------------------|---------------------------------------|-------------------------|
| Upwind           | 258.9                                 | 262.7                                    | 9:51                     | 5.0                                   | 8.7                                   | 11:32                   |
| — Downwind ——    | 226.9                                 | 241.3                                    | 11:32                    | 0.0                                   | 0.0                                   | 8:58                    |

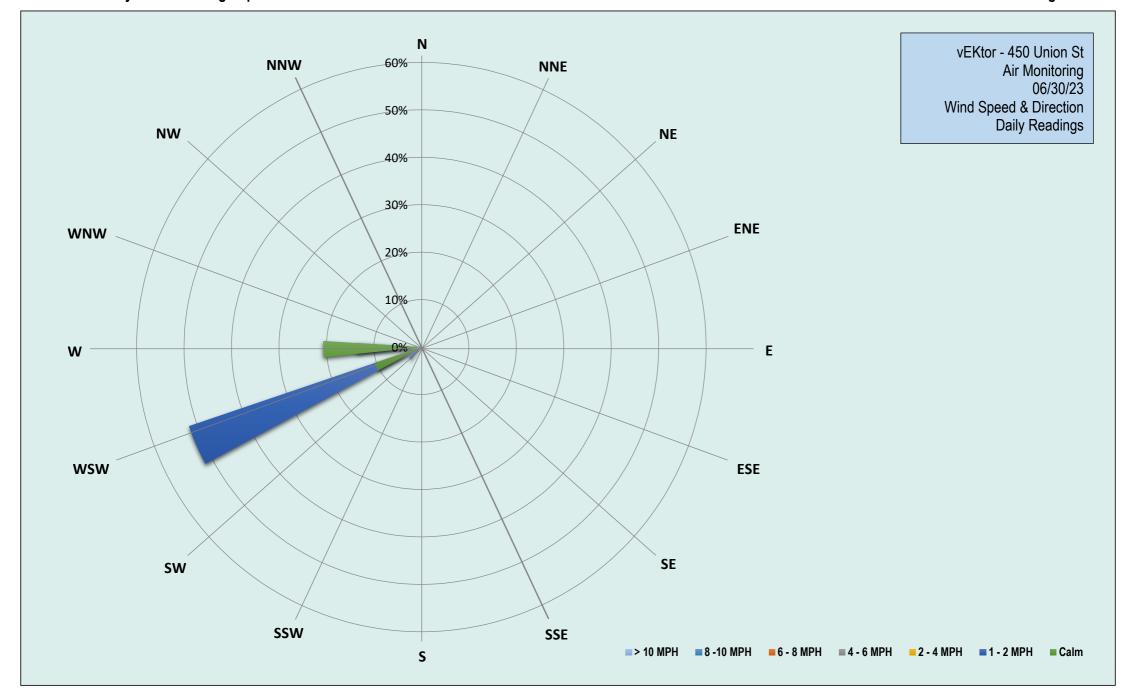




**Air Monitoring Notes:** 

**Weather Notes:** 







Friday, June 30, 2023

Number of Instances Where Downwind Particulates

Number of Comparable Data Points =

Start Time: 9:12 End Time: 11:12

|       | PARTICULATE DATA                       |       |  |                                       |  |  |  |
|-------|--|-------|--|---------------------------------------|--|--|--|
|       | Upwind                                 |       | Downwind                               |                                       |  |  |  |
| Time  | 15-Min Avg<br>Concentration<br>(ug/m³) | Time  | 15-Min Avg<br>Concentration<br>(ug/m³) | Exceeds<br>Particulate<br>Alarm Limit |  |  |  |
| 9:12  | 255.7                                  | 9:12  | 218.5                                  | -                                     |  |  |  |
| 9:27  | 258.9                                  | 9:27  | 222.1                                  | -                                     |  |  |  |
| 9:42  | 260.7                                  | 9:42  | 224.3                                  | -                                     |  |  |  |
| 9:57  | 261.5                                  | 9:57  | 227.6                                  | -                                     |  |  |  |
| 10:12 | 257.9                                  | 10:12 | 223.3                                  | -                                     |  |  |  |
|       |  |       |  |                                       |  |  |  |

227.2

229.3

234.7

233.2

10:27

10:42

10:57

11:12

10:27

10:42

10:57

11:12

257.5

260.5

259.8

258.0

| 405.7 |
|-------|
| 408.9 |
| 410.7 |
| 411.5 |
| 407.9 |
| 407.5 |
| 410.5 |
| 409.8 |
| 408.0 |

-

Exceedance Level

| Upwind DustTrak Data Summary |       |                   |  |  |
|------------------------------|-------|-------------------|--|--|
| Daily Maximum                | 277.0 | ug/m <sup>3</sup> |  |  |
| Daily Minimum                | 214.3 | ug/m <sup>3</sup> |  |  |
| Daily Average                | 258.9 | ug/m <sup>3</sup> |  |  |
| Maximum 15-Minute Average    | 261.5 | ug/m <sup>3</sup> |  |  |
|                              | •     | *                 |  |  |

| Downwind DustTrak Data Summary |       |                   |  |  |
|--------------------------------|-------|-------------------|--|--|
| Daily Maximum                  | 256.8 | ug/m <sup>3</sup> |  |  |
| Daily Minimum                  | 212.0 | ug/m <sup>3</sup> |  |  |
| Daily Average                  | 226.9 | ug/m <sup>3</sup> |  |  |
| Maximum 15-Minute Average      | 234.7 | ug/m <sup>3</sup> |  |  |

| Friday, June 30, 2023                           |       |
|---|-------|
| Number of Instances Where Downwind VOCs Exceeds | 0     |
| Number of Comparable Data Points =              | 0     |
| Start Time:                                     | 9:12  |
| End Time:                                       | 11:12 |

|        | PID DATA                             |       |                                      |                            |  |  |
|--------|--------------------------------------|-------|--------------------------------------|----------------------------|--|--|
| Upwind |                                      |       | Downwind                             |                            |  |  |
| Time   | 15-Min Avg<br>Concentration<br>(ppm) | Time  | 15-Min Avg<br>Concentration<br>(ppm) | Exceeds VOC<br>Alarm Limit |  |  |
| 9:12   | 2.0                                  | 9:12  | 0.0                                  | -                          |  |  |
| 9:27   | 2.7                                  | 9:27  | 0.0                                  | -                          |  |  |
| 9:42   | 3.4                                  | 9:42  | 0.0                                  | -                          |  |  |
| 9:57   | 4.1                                  | 9:57  | 0.0                                  | -                          |  |  |
| 10:12  | 4.8                                  | 10:12 | 0.0                                  | -                          |  |  |
| 10:27  | 5.5                                  | 10:27 | 0.0                                  | -                          |  |  |
| 10:42  | 6.3                                  | 10:42 | 0.0                                  | -                          |  |  |
| 10:57  | 7.2                                  | 10:57 | 0.0                                  | -                          |  |  |
| 11:12  | 8.0                                  | 11:12 | 0.0                                  | -                          |  |  |
|        |                                      |       |                                      | -                          |  |  |
|        |                                      |       |                                      | -                          |  |  |
|        |                                      |       |                                      | -                          |  |  |

| Exceedance |  |
|------------|--|
| Level      |  |

| Level |  |
|-------|--|
|       |  |
| 7.0   |  |
| 7.7   |  |
| 8.4   |  |
| 9.1   |  |
| 9.8   |  |
| 10.5  |  |
| 11.3  |  |
| 12.2  |  |
| 13.0  |  |

| Upwind PID Data Summary   |         |  |  |
|---------------------------|---------|--|--|
| Daily Maximum             | 8.7 ppm |  |  |
| Daily Minimum             | 0.0 ppm |  |  |
| Daily Average             | 5.0 ppm |  |  |
| Maximum 15-Minute Average | 8.0 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 |  |