

Prepared By: Peter Rath sack

<b>NYSDEC BCP Site No:</b>	C224219	<b>Date:</b>	03/13/2023
<b>Project Name:</b>	450 Union Street	<b>Weather:</b>	Overcast/Rain, 32-50 °F
<b>Client:</b>	2201 Union LLC	<b>Time:</b>	8:00 – 15:25

**Personnel On-Site:**

Environmental Consultant: Vektor Consultants – Peter Rath sack, Ezgi Karayel

Geotechnical: Mueser Rutledge – Timothy Haddad

Driller: Coastal Environmental Solutions – Marc Morgenstern, Mike Martino, Matt Holliday

NYSDEC Representative: WSP - Sunlei Yang

**Work Activities Performed:**

- Coastal mobilized with Geoprobe 7822DT and installed two two-inch diameter standpipe piezometers (MW-1 and MW-2) with 10-foot well screen to approximately 15 feet below ground surface (bgs) for geotechnical monitoring purposes. Groundwater was encountered at approximately 9 feet bgs. Monitoring wells were flushed to the ground with manhole covers.
- Costal installed 24 soil borings (23B-1 through 23B-24) to depths ranging from 5 to 10 feet across the Site (Grids A-1 through A-6) for waste characterization purposes for the new development with the same Geoprobe 7822DT. Soil was retrieved continuously in 5-foot intervals and field screened with a photo ionization detector (PID) for presence of contamination, odor, and staining. No elevated PID readings, evidence of staining, or olfactory odors were observed in any of the soil samples.
- Vektor collected eight grab and eight 5-point composite waste characterization samples for analysis of total VOCs (TCL+10 & NJDEP SCC List + SRS List), EPH Cat 2 non-fractionated, total SVOCs (TCL+20 & NJDEP SCC List + NJDEP SRS List), total cyanide, TAL metals, hexavalent chromium, mercury, TCLP Metals (8 RCRA), PCBs, total pesticides & herbicides (TCL+NJDEP SCC List + NJDEP SRS List), ignitability, corrosivity, reactivity cyanide and sulfide, and paint filter.
- All samples were immediately placed in a cooler with ice after labeling and transported to York Analytical Laboratories under proper chain of custody procedures.
- All soil cuttings were placed into a 55-gallon drum at the Site for future off-site disposal, and all boreholes were backfilled with No. 2 sand and patched with concrete slurry.

**Community Air Monitoring Program**

Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location. The CAMP stations were relocated as needed based on the area of work. No CAMP exceedances were observed.




**Problems Encountered**

N/A

**Planned Activities for the Next Day**

Work will resume Wednesday (3/15) with the installation of geotechnical boring MR-11.

**SITE PLAN / WORK AREAS****Legend:**

-  BCP Site Boundary
-  Soil Boring Location and ID  
**23SB-X**
-  Monitoring Well Location and ID (Geotechnical)  
**MW-X**

**PHOTO LOG**

Photo 1: View of the upwind CAMP station during installation of MW-1, and borings within Grids A-1 and A-2

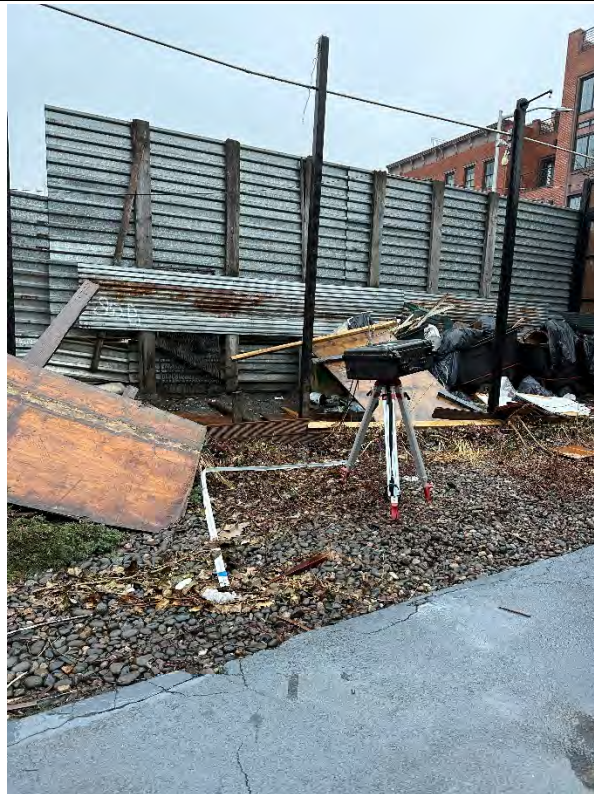


Photo 2: View of the downwind CAMP station during installation of MW-1, and borings within Grids A-1 and A-2





Photo 3: View of typical boring installation



Photo 4: View of before the manhole cover was installed





Photo 5: View of the downwind CAMP station during installation of MW-2, and borings within Grids A-4



Photo 6: View of typical sleeves and soil samples (23B-8)



## CAMP DATA - PID DOWNWIND

Site: 450 Union Street  
Date: 3/13/23  
Location: Downwind  
Summary: No VOC detections

Unit Name: MiniRAW (3000) (PGM-7320)  
Serial Number: 592-915354  
Running Mode: Hygiene Mode  
Datalog Mode: Manual  
Diagnostic Mode: No  
Stop Reson:

	<u>Date</u>	<u>Time</u>
Begin:	3/13/23	8:55:31 AM
End:	3/13/23	3:25:31 PM

Low Alarm 5.0  
High Alarm 25.0  
Over Alarm 15000.0  
STEL Alarm 250.0  
TWA Alarm 100.0  
Measurement Gas: Isobutylene  
Calibration Time 3/13/23 7:31

Peak: 0.5 ppm  
Min: 0.0 ppm  
Average: 0.0 ppm

Datalog:

Date	Time	PID (ppm)
3/13/23	8:55:31 AM	0.0
3/13/23	9:10:31 AM	0.0
3/13/23	9:25:31 AM	0.1
3/13/23	9:40:31 AM	0.0
3/13/23	9:55:31 AM	0.0
3/13/23	10:10:31 AM	0.0
3/13/23	10:25:31 AM	0.0
3/13/23	10:40:31 AM	0.0
3/13/23	10:55:31 AM	0.0
3/13/23	11:10:31 AM	0.1
3/13/23	11:25:31 AM	0.0
3/13/23	11:40:31 AM	0.0
3/13/23	11:55:31 AM	0.0
3/13/23	12:10:31 PM	0.0
3/13/23	12:25:31 PM	0.0
3/13/23	12:40:31 PM	0.0
3/13/23	12:55:31 PM	0.0
3/13/23	1:10:31 PM	0.0
3/13/23	1:25:31 PM	0.0
3/13/23	1:40:31 PM	0.0
3/13/23	1:55:31 PM	0.0
3/13/23	2:10:31 PM	0.0
3/13/23	2:25:31 PM	0.0
3/13/23	2:40:31 PM	0.0
3/13/23	2:55:31 PM	0.1
3/13/23	3:10:31 PM	0.0
3/13/23	3:25:31 PM	0.0

## CAMP DATA - PID UPWIND

Site: 450 Union Street  
Date: 3/13/23  
Location: Upwind  
Summary: No VOC detections

Unit Name: MiniRAW (3000) (PGM-7320)  
Serial Number: 592-915354  
Running Mode: Hygiene Mode  
Datalog Mode: Manual  
Diagnostic Mode: No  
Stop Reson:

	<u>Date</u>	<u>Time</u>
Begin:	3/13/23	8:51:56 AM
End:	3/13/23	3:21:56 PM

Low Alarm 5.0  
High Alarm 25.0  
Over Alarm 15000.0  
STEL Alarm 250.0  
TWA Alarm 100.0  
Measurement Gas: Isobutylene  
Calibration Time 3/13/23

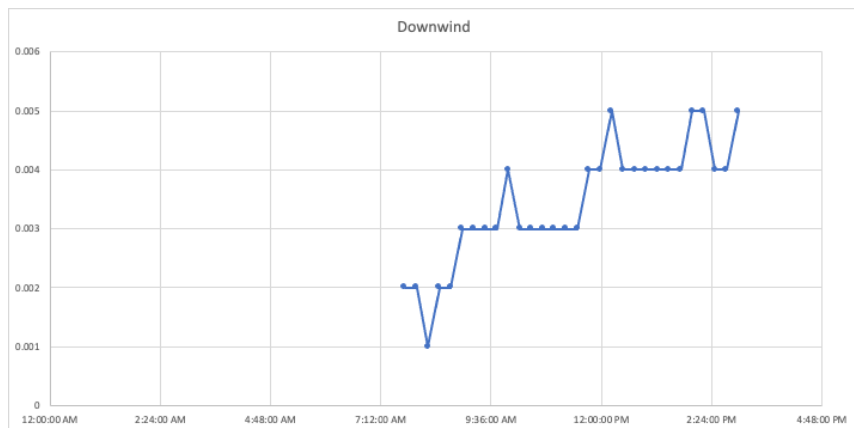
Peak: 0.2 ppm  
Min: 0.0 ppm  
Average: 0.0 ppm

Datalog:

Date	Time	PID (ppm)
3/13/23	8:51:56 AM	0.0
3/13/23	9:06:56 AM	0.0
3/13/23	9:21:56 AM	0.0
3/13/23	9:36:56 AM	0.0
3/13/23	9:51:56 AM	0.2
3/13/23	10:06:56 AM	0.0
3/13/23	10:21:56 AM	0.0
3/13/23	10:36:56 AM	0.0
3/13/23	10:51:56 AM	0.0
3/13/23	11:06:56 AM	0.0
3/13/23	11:21:56 AM	0.0
3/13/23	11:36:56 AM	0.0
3/13/23	11:51:56 AM	0.0
3/13/23	12:06:56 PM	0.0
3/13/23	12:21:56 PM	0.0
3/13/23	12:36:56 PM	0.0
3/13/23	12:51:56 PM	0.0
3/13/23	1:06:56 PM	0.0
3/13/23	1:21:56 PM	0.0
3/13/23	1:36:56 PM	0.0
3/13/23	1:51:56 PM	0.0
3/13/23	2:06:56 PM	0.0
3/13/23	2:21:56 PM	0.0
3/13/23	2:36:56 PM	0.0
3/13/23	2:51:56 PM	0.0
3/13/23	3:06:56 PM	0.0
3/13/23	3:21:56 PM	0.0

Site: 450 Union Street  
Location: Downwind  
Model Number: DustTrak II  
Serial Number: 8530145205  
Date: 3/13/23  
Start Time: 7:43:33 AM  
End Time: 2:58:33 PM

Log Period 00:15:00  
CalFactor 1  
Unit 0  
Unit Name ug/m3  
TempUnits C  
RH Correct Enabled

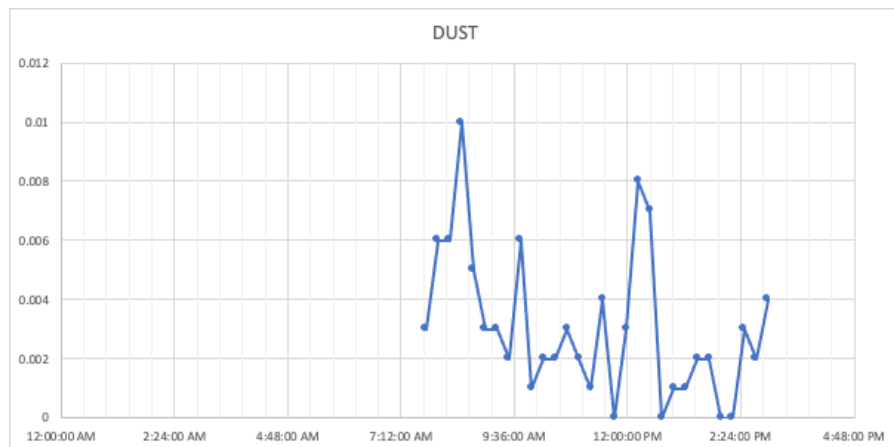


Datalog:	Date & Time	Mass [mg/m3]
	7:43:33 AM	0.002
	7:58:33 AM	0.002
	8:13:33 AM	0.001
	8:28:33 AM	0.002
	8:43:33 AM	0.002
	8:58:33 AM	0.003
	9:13:33 AM	0.003
	9:28:33 AM	0.003
	9:43:33 AM	0.003
	9:58:33 AM	0.004
	10:13:33 AM	0.003
	10:28:33 AM	0.003
	10:43:33 AM	0.003
	10:58:33 AM	0.003
	11:13:33 AM	0.003
	11:28:33 AM	0.003
	11:43:33 AM	0.004
	11:58:33 AM	0.004
	12:13:33 PM	0.005
	12:28:33 PM	0.004
	12:43:33 PM	0.004
	12:58:33 PM	0.004
	1:13:33 PM	0.004
	1:28:33 PM	0.004
	1:43:33 PM	0.004
	1:58:33 PM	0.005
	2:13:33 PM	0.005
	2:28:33 PM	0.004
	2:43:33 PM	0.004
	2:58:33 PM	0.005



Site: 450 Union Street  
 Location: Upwind  
 Model Number: DustTrak II  
 Serial Number: 8530122521  
 Date: 3/13/23  
 Start Time: 7:43:39 AM  
 End Time: 2:58:39 PM

Log Period 00:15:00  
 CalFactor 1  
 Unit 0  
 Unit Name ug/m3  
 TempUnits C  
 RH Correct Enabled



Datalog:	Date & Time	ug/m3
	7:43:39 AM	0.003
	7:58:39 AM	0.006
	8:13:39 AM	0.006
	8:28:39 AM	0.01
	8:43:39 AM	0.005
	8:58:39 AM	0.003
	9:13:39 AM	0.003
	9:28:39 AM	0.002
	9:43:39 AM	0.006
	9:58:39 AM	0.001
	10:13:39 AM	0.002
	10:28:39 AM	0.002
	10:43:39 AM	0.003
	10:58:39 AM	0.002
	11:13:39 AM	0.001
	11:28:39 AM	0.004
	11:43:39 AM	0
	11:58:39 AM	0.003
	12:13:39 PM	0.008
	12:28:39 PM	0.007
	12:43:39 PM	0
	12:58:39 PM	0.001
	1:13:39 PM	0.001
	1:28:39 PM	0.002
	1:43:39 PM	0.002
	1:58:39 PM	0
	2:13:39 PM	0
	2:28:39 PM	0.003
	2:43:39 PM	0.002
	2:58:39 PM	0.004