

Prepared By: Peter Rath sack

NYSDEC BCP Site No:	C224219	Date:	03/17/2023
Project Name:	450 Union Street	Weather:	Overcast/Sunny, 45-60 °F
Client:	2201 Union LLC	Time:	7:15 – 15:15

Personnel On-Site:

Environmental Consultant: Vektor Consultants – Peter Rath sack
Geotechnical: Mueser Rutledge – Ben Jahnke
Driller: Coastal Environmental Solutions –John Slavin, Mike Martino
NYSDEC Representative: WSP - Sunlei Yang

Work Activities Performed:

- Coastal continued installation of geotechnical boring MR-12 with Geoprobe 7822DT. Coastal provided Mueser Rutledge geotechnical samples utilizing a spoon sampler every 5 feet from below 70 feet bgs. Samples were collected at the following depths: 75, 80, 90, 95. Sample 85 resulted in no recovery. Coastal was unable to provide a spoon sample at 100 feet due to the instability of the borehole.
- No grossly contaminated materials (GCM) were identified during the sampling.
- All soil cuttings were placed into a 55-gallon drum at the Site for future off-site disposal.

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

Geoprobe rotary swivel broke during mud rotary drilling. A replacement part was brought onsite to remedy the issue.

Planned Activities for the Next Day

N/A


Drilling activities are completed. No work is planned at the Site until the demolition, which is scheduled the start later this month.

The site plan for 450 Union Street, Block 438, Lot 7, shows a rectangular property with various monitoring points and proposed installations. The plan includes the following details:

- Monitoring Points:**
 - MR-1P** (77) and **MR-2** (89) are located near the north boundary.
 - MR-3** (102) is located near the northeast corner.
 - MR-6** (77) is located near the east boundary.
 - MR-8** (77) is located near the center of the property.
 - MR-5S** (60) is located near the center of the property.
 - MR-9** (77) is located near the southeast corner.
 - MR-10A** (75) and **MR-10** (8) are located near the southeast corner.
 - MR-11** (red crosshair) is located near the northwest corner.
 - MR-12** (red crosshair) is located near the center of the property.
- Proposed Installations:**
 - MW-1** (blue crosshair) is located near the northwest corner, with a red arrow pointing to it from the text "Install Vibrating Wire Piezometer".
 - MW-2** (blue crosshair) is located near the center of the property, with a red arrow pointing to it from the text "Install standard en-standpipe piezometer".
- Other Features:**
 - Upwind CAMP Station** is located near the northeast corner.
 - Downwind CAMP Station** is located near the center of the property.
 - RGB-2** (60), **RGB-1** (52), and **RGB-3** (52) are located near the east boundary.
 - The plan shows a "ONE STORY BRICK" building, a "ONE STORY FRAME" building, and a "ONE STORY GAR" (garage).
 - The plan includes various dimensions, such as 95'±, 17', 108'±, 72'±, 74'±, 91'±, 56', 40', 27'±, 38'±, 20'±, 38'±, 41', 28'±, 50', and 8'±.
 - The plan also shows "BOND STREET" to the west, "UNION STREET" to the north, and "GOWANUS CANAL" to the east.

MW-1 SHALLOW WELL

MR-12

 SUPPLEMENTAL DEEP BORING
- NO SAMPLING IN TOP 45-FT +/-

PLAN



PHOTO LOG

Photo 1: View of mud rotary drilling at MR-12



Photo 2: View of spoon sample from MR-12 collected at 65 feet bgs.



Photo 3: View of cleaning up of work area at MR-12.



Photo 4: View of upwind CAMP station.



Photo 5: View of MR-12 borehole patched.



Photo 6: View of the Site from the canal facing northwest.



CAMP DATA - PID UPWIND & DOWNWIND

Site: 450 Union Street
Date: 3/17/23
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: No

Begin: 3/17/23 7:31:54 AM
End: 3/17/23 2:08:12 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 3/17/23 7:16

Peak: 0.3 ppm
Min: 0.0 ppm
Average: 0.2 ppm

Datalog:

Date	Time	PID (ppm)
3/17/23	7:31:54 AM	0.1
3/17/23	7:46:54 AM	0.1
3/17/23	8:01:54 AM	0.2
3/17/23	8:16:54 AM	0.3
3/17/23	8:31:54 AM	0.2
3/17/23	8:46:54 AM	0.2
3/17/23	9:01:54 AM	0.2
3/17/23	9:16:54 AM	0.3
3/17/23	9:31:54 AM	0.1
3/17/23	9:46:54 AM	0.0
3/17/23	10:01:54 AM	0.2
3/17/23	10:16:54 AM	0.3
3/17/23	10:31:54 AM	0.2
3/17/23	10:46:54 AM	0.1
3/17/23	11:01:54 AM	0.3
3/17/23	11:16:54 AM	0.3
3/17/23	11:31:54 AM	0.3
3/17/23	11:46:54 AM	0.2
3/17/23	12:01:54 PM	0.0
3/17/23	12:16:54 PM	0.1
3/17/23	12:31:54 PM	0.1
3/17/23	12:46:54 PM	0.3
3/17/23	1:01:54 PM	0.2
3/17/23	1:16:54 PM	0.0
3/17/23	1:31:54 PM	0.3
3/17/23	1:46:54 PM	0.1
3/17/23	2:01:54 PM	0.1
3/17/23	2:08:12 PM	0.2

Site: 450 Union Street
Date: 3/17/23
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: No

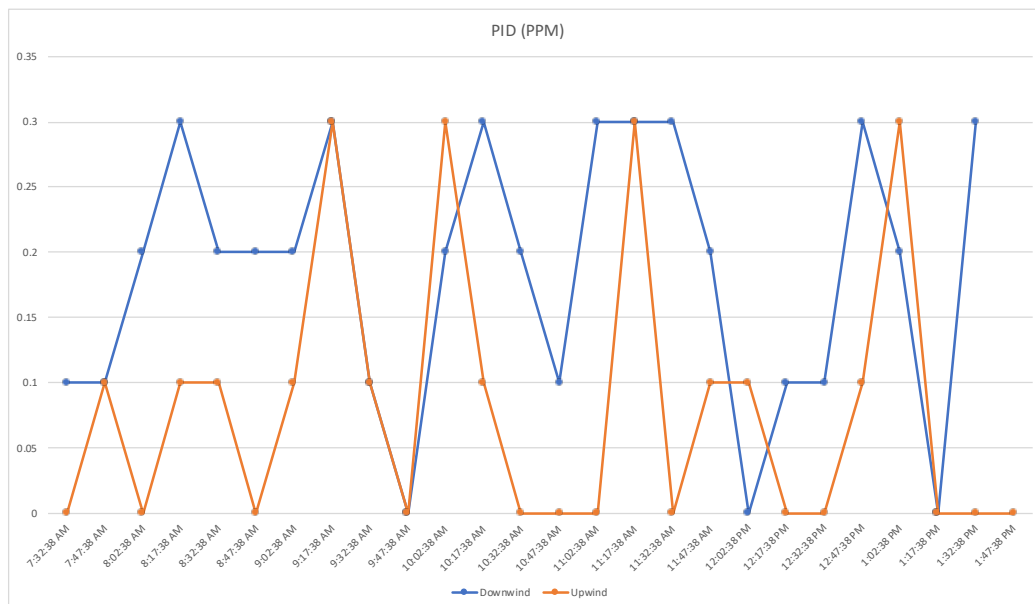
Begin: 3/17/23 7:32:38 AM
End: 3/17/23 2:17:38 PM

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 3/17/23

Peak: 0.3 ppm
Min: 0.0 ppm
Average: 0.1 ppm

Datalog:

Date	Time	PID (ppm)
3/17/23	7:32:38 AM	0.0
3/17/23	7:47:38 AM	0.1
3/17/23	8:02:38 AM	0.0
3/17/23	8:17:38 AM	0.1
3/17/23	8:32:38 AM	0.1
3/17/23	8:47:38 AM	0.0
3/17/23	9:02:38 AM	0.1
3/17/23	9:17:38 AM	0.3
3/17/23	9:32:38 AM	0.1
3/17/23	9:47:38 AM	0.0
3/17/23	10:02:38 AM	0.3
3/17/23	10:17:38 AM	0.1
3/17/23	10:32:38 AM	0.0
3/17/23	10:47:38 AM	0.0
3/17/23	11:02:38 AM	0.0
3/17/23	11:17:38 AM	0.3
3/17/23	11:32:38 AM	0.0
3/17/23	11:47:38 AM	0.1
3/17/23	12:02:38 PM	0.1
3/17/23	12:17:38 PM	0.0
3/17/23	12:32:38 PM	0.0
3/17/23	12:47:38 PM	0.1
3/17/23	1:02:38 PM	0.3
3/17/23	1:17:38 PM	0.0
3/17/23	1:32:38 PM	0.0
3/17/23	1:47:38 PM	0.0
3/17/23	2:02:38 PM	0.3
3/17/23	2:17:38 PM	0.1



CAMP DATA - DUST UPWIND & DOWNWIND

Site: 450 Union Street
 Location: Upwind
 Model Number: DustTrak II
 Serial Number: 8530145205
 Date: 3/17/23
 Start Time: 7:35:14 AM
 End Time: 2:06:42 PM

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

Site: 450 Union Street
 Location: Downwind
 Model Number: DustTrak II
 Serial Number: 8530122521
 Date: 3/17/23
 Start Time: 7:36:25 AM
 End Time: 1:36:16 PM

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

Datalog:	Date & Time	Mass [ug/m3]
	7:35:14 AM	32
	7:50:14 AM	24
	8:05:14 AM	20
	8:20:14 AM	15
	8:35:14 AM	16
	8:50:14 AM	14
	9:05:14 AM	13
	9:20:14 AM	13
	11:36:42 AM	31
	11:51:42 AM	35
	12:06:42 PM	39
	12:21:42 PM	37
	12:36:42 PM	30
	12:51:42 PM	28
	1:06:42 PM	30
	1:21:42 PM	30
	1:36:42 PM	31
	1:51:42 PM	33
	2:06:42 PM	29

Datalog:	Date & Time	Mass [ug/m3]
	7:36:25 AM	27
	7:51:25 AM	27
	8:06:25 AM	26
	8:21:25 AM	25
	8:36:25 AM	27
	8:51:25 AM	25
	9:06:25 AM	25
	9:21:25 AM	25
	11:36:16 AM	30
	11:51:16 AM	35
	12:06:16 PM	39
	12:21:16 PM	37
	12:36:16 PM	30
	12:51:16 PM	29
	1:06:16 PM	31
	1:21:16 PM	30
	1:36:16 PM	32
	1:51:16 PM	30
	2:06:16 PM	31

Notes: Data collection was from DustTrak units was paused during Geoprobe repair. This was done to conserve battery.

