

DAILY STATUS REPORT

Prepared By: Antonio Cardenas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

NYSDEC BCP Site No:	C224219	Date:	8/15/2024
Project Name:	450 Union Street, Brooklyn, NY		

Consultant: Vektor Consultants – Antonio Cardenas Visitors: WSP – Monica Pula and Timothy Williams NYSDEC – Meghan Medwid and Tracy Garland	Personnel On-Site: Geo-Solutions Inc.- Subcontractor
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Work Activities Performed:

- GSI excavated and installed a berm in the north portion of the Site.
- Drilling and 9% cement mix installation began for ISS-2. Refusal was hit at 5 feet and work was halted. Drilling will resume in a new location to avoid obstruction, which is believed to be concrete.
- The performance parameters from the ISS rig's onboard data monitoring device are appended to this report as well as part of GSI's daily report.

Community Air Monitoring Program (CAMP)

An Upwind and Downwind CAMP stations were placed within the perimeters of the Site during drilling activities. The Upwind CAMP station was in the northwest portion of the Site and the Downwind CAMP station was in the northeast portion of the Site as the wind was consistently coming from the southwest.

Background Levels (Initial Readings at Start of Day):

PID: 0.0 ppm Dust: 0.058 mg/m³

Highest Levels:

PID: 0.0 ppm Dust: 0.0741 mg/m³

- Upwind CAMP was implemented during C&D restaging. CAMP equipment consisted of a DustTrack II Model 8530; S/N: 8530210705, AND MiniRAE 3000, Model PGM-7320 photoionization detector (PID); S/N: 592-601281.
- Downwind CAMP was implemented during C&D restaging. CAMP equipment consisted of a DustTrack II Model 8530; S/N: 8530221304, AND MiniRAE 3000, Model PGM-7320 photoionization detector (PID); S/N: 592-926055.
- No VOC or dust concentrations were detected in exceedance of the daily short-term exposure limit (STEL) at the work area CAMP station.

Problems Encountered

None.

Planned Activities for the Next Day

Continued preparation and setup work for ISS pilot testing.

SITE PLAN WITH LOCATIONS

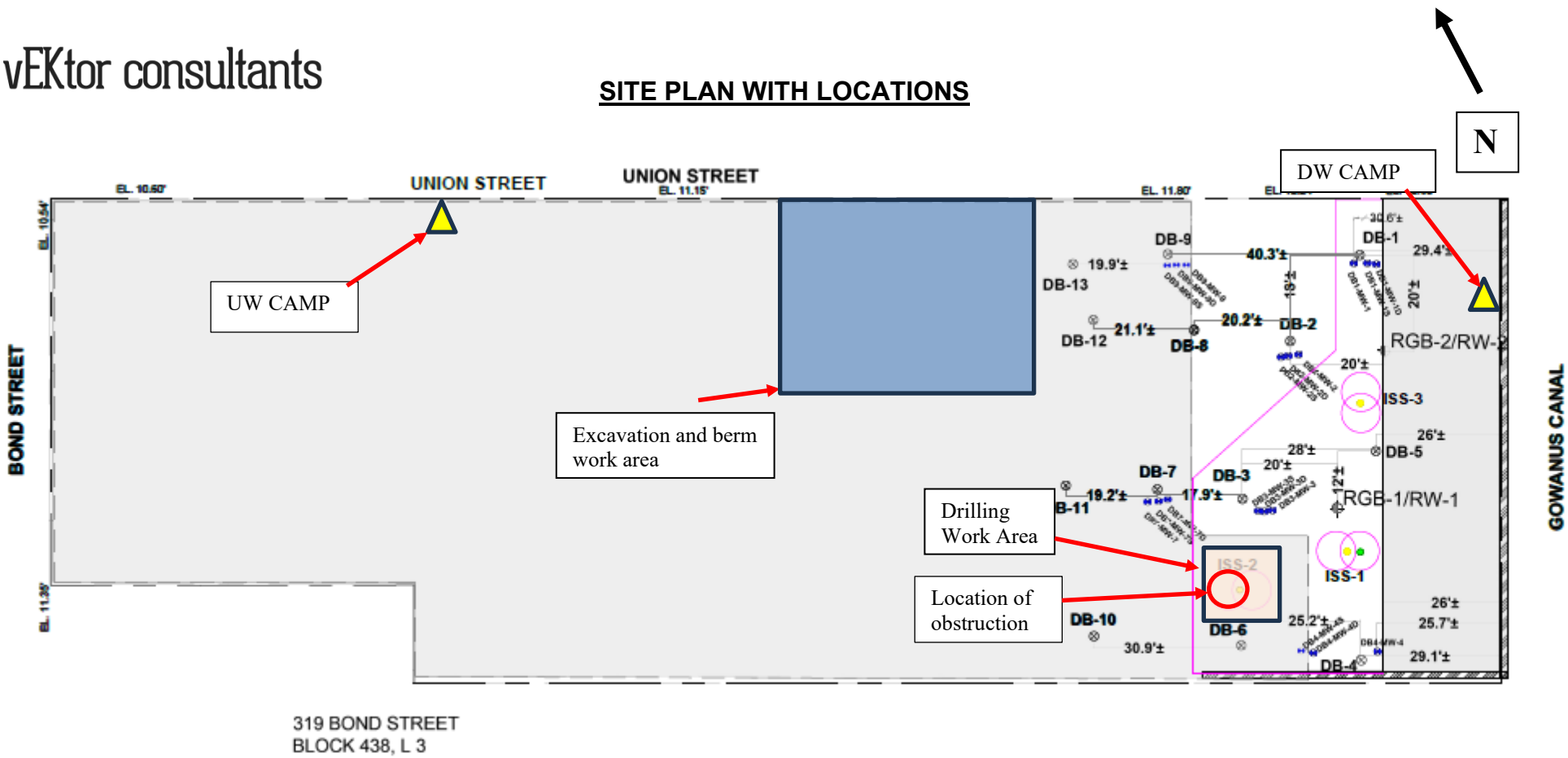


Photo Log

Photo 1:
View of upwind CAMP station, facing east.



Photo 2:
View of downwind CAMP station, facing south.



Photo 3:
Preparation of a berm in the northern portion of the Site for water management, facing northwest.



Photo 4:
Breaking up of asphalt for ISS-2, dust control is utilized.



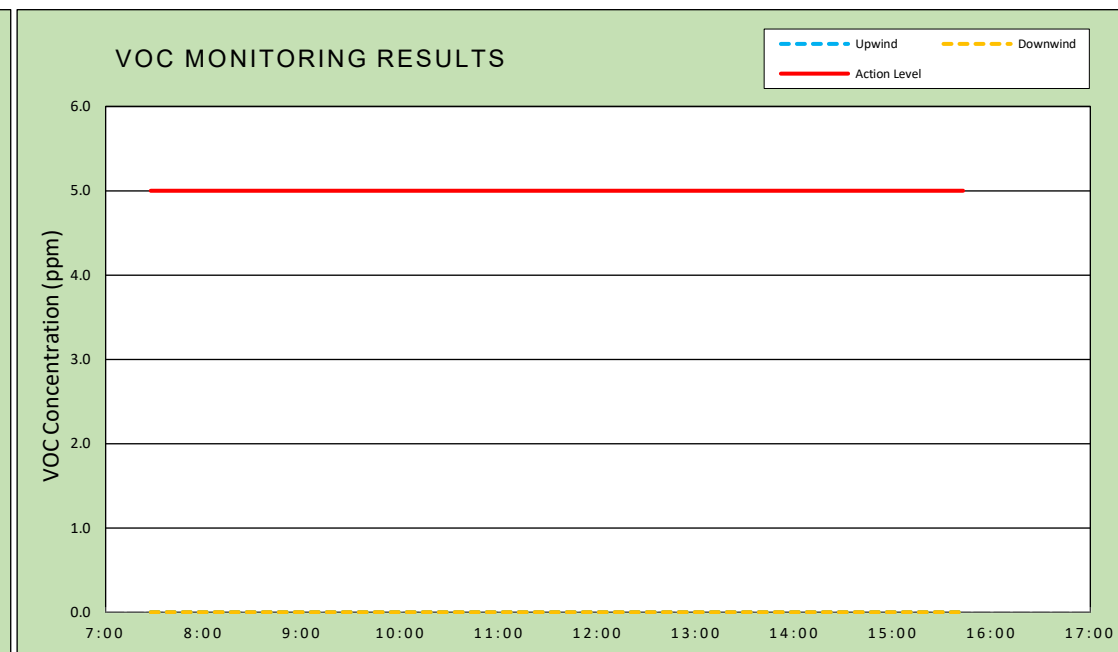
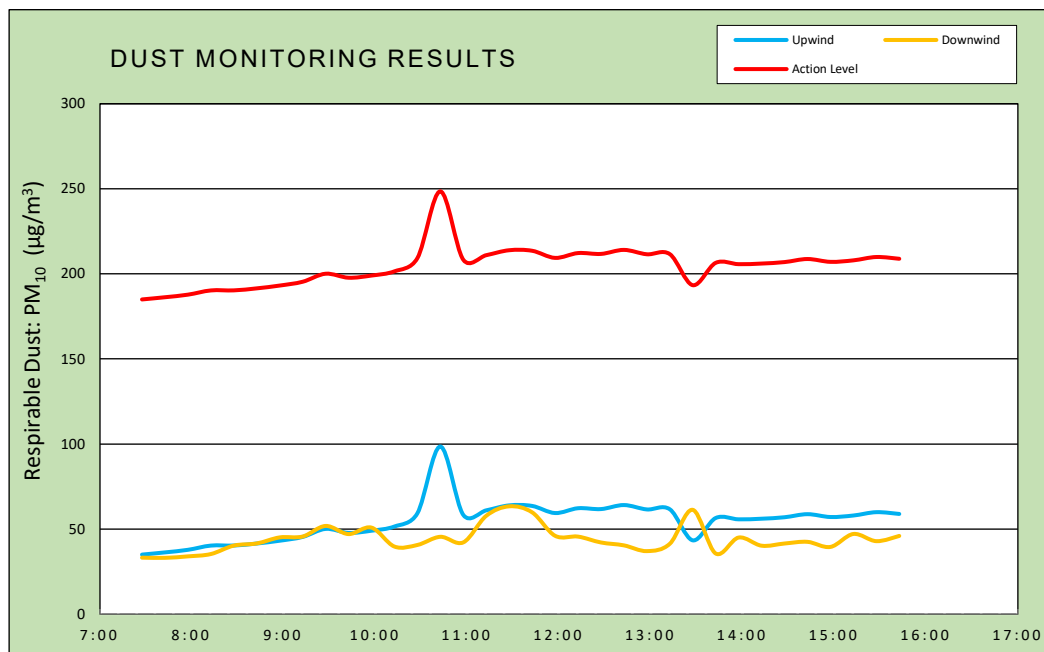
Photo 5:
Drilling attempt for 9% cement mix injection, facing north.



vEktor consultants 37 W. 37th St, 6th Floor - New York, NY	DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York				08/15/2024	
					Rev. No. 0	Page 1 of 2
					Project Number:	
					Dust Action Level	150 $\mu\text{g}/\text{m}^3$
		VOC Action Level	5 ppm			

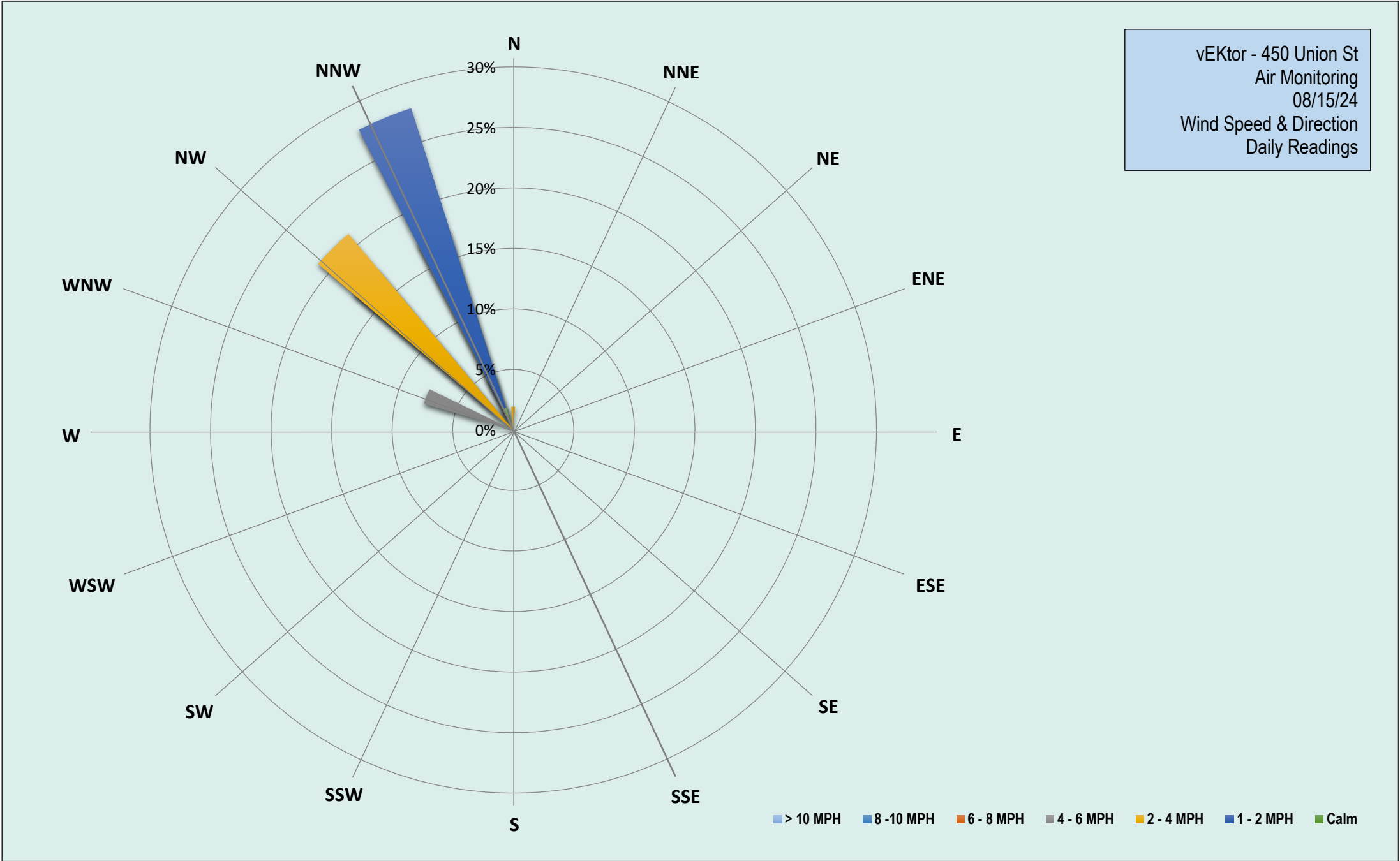
Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	37.0 - 74.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	72.0 - 88.0	Wind Speed (MPH)	0.8 - 4.9	Barometer (inHg)	30.00 - 30.10	Avg. Dew Point Temp (°F)	60.4	

Station Location	Daily Avg. Dust Concentration ($\mu\text{g}/\text{m}^3$)	Max 15-Min Dust Concentration ($\mu\text{g}/\text{m}^3$)	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	54.5	98.5	10:43	0.0	0.0	7:28
Downwind	44.1	63.3	11:28	0.0	0.0	7:28



Air Monitoring Notes:

Weather Notes:



Thursday, August 15, 2024				
Number of Instances Where Downwind Particulates				0
Number of Comparable Data Points =				34
Start Time:				7:28
End Time:				15:43
PARTICULATE DATA				
Upwind		Downwind		Exceeds Particulate Alarm Limit
Time	15-Min Avg Concentration (ug/m ³)	Time	15-Min Avg Concentration (ug/m ³)	
7:28	35.0	7:28	33.2	-
7:43	36.3	7:43	33.1	-
7:58	37.8	7:58	33.9	-
8:13	40.3	8:13	35.3	-
8:28	40.3	8:28	40.3	-
8:43	41.5	8:43	41.5	-
8:58	43.1	8:58	45.1	-
9:13	45.4	9:13	45.6	-
9:28	50.1	9:28	51.8	-
9:43	47.7	9:43	47.0	-
9:58	49.0	9:58	50.8	-
10:13	51.5	10:13	39.7	-
10:28	59.2	10:28	40.6	-
10:43	98.5	10:43	45.4	-
10:58	58.3	10:58	42.1	-
11:13	61.0	11:13	57.8	-
11:28	63.9	11:28	63.3	-
11:43	63.6	11:43	59.8	-
11:58	59.4	11:58	46.0	-
12:13	62.2	12:13	45.5	-
12:28	61.7	12:28	42.1	-
12:43	64.1	12:43	40.4	-
12:58	61.5	12:58	37.0	-
13:13	61.6	13:13	41.3	-
13:28	43.3	13:28	61.3	-
13:43	56.5	13:43	35.6	-
13:58	55.7	13:58	45.0	-
14:13	56.1	14:13	40.2	-
14:28	56.9	14:28	41.5	-
14:43	58.7	14:43	42.5	-
14:58	57.1	14:58	39.5	-
15:13	57.9	15:13	47.1	-
15:28	59.9	15:28	42.9	-
15:43	58.9	15:43	45.9	-

Exceedance
Level

185.0

186.3

187.8

190.3

190.3

191.5

193.1

195.4

200.1

197.7

199.0

201.5

209.2

248.5

208.3

211.0

213.9

213.6

209.4

212.2

211.7

214.1

211.5

211.6

193.3

206.5

205.7

206.1

206.9

208.7

207.1

207.9

209.9

208.9

Upwind DustTrak Data Summary		
Daily Maximum	666.8	ug/m ³
Daily Minimum	32.8	ug/m ³
Daily Average	54.5	ug/m ³
Maximum 15-Minute Average	98.5	ug/m ³

Downwind DustTrak Data Summary		
Daily Maximum	132.3	ug/m ³
Daily Minimum	30.5	ug/m ³
Daily Average	44.1	ug/m ³
Maximum 15-Minute Average	63.3	ug/m ³

Thursday, August 15, 2024				
Number of Instances Where Downwind VOCs Exceeds				0
Number of Comparable Data Points =				0
Start Time:				7:28
End Time:				15:43
PID DATA				
Upwind		Downwind		Exceeds VOC Alarm Limit
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	
7:28	0.0	7:28	0.0	-
7:43	0.0	7:43	0.0	-
7:58	0.0	7:58	0.0	-
8:13	0.0	8:13	0.0	-
8:28	0.0	8:28	0.0	-
8:43	0.0	8:43	0.0	-
8:58	0.0	8:58	0.0	-
9:13	0.0	9:13	0.0	-
9:28	0.0	9:28	0.0	-
9:43	0.0	9:43	0.0	-
9:58	0.0	9:58	0.0	-
10:13	0.0	10:13	0.0	-
10:28	0.0	10:28	0.0	-
10:43	0.0	10:43	0.0	-
10:58	0.0	10:58	0.0	-
11:13	0.0	11:13	0.0	-
11:28	0.0	11:28	0.0	-
11:43	0.0	11:43	0.0	-
11:58	0.0	11:58	0.0	-
12:13	0.0	12:13	0.0	-
12:28	0.0	12:28	0.0	-
12:43	0.0	12:43	0.0	-
12:58	0.0	12:58	0.0	-
13:13	0.0	13:13	0.0	-
13:28	0.0	13:28	0.0	-
13:43	0.0	13:43	0.0	-
13:58	0.0	13:58	0.0	-
14:13	0.0	14:13	0.0	-
14:28	0.0	14:28	0.0	-
14:43	0.0	14:43	0.0	-
14:58	0.0	14:58	0.0	-
15:13	0.0	15:13	0.0	-
15:28	0.0	15:28	0.0	-
15:43	0.0	15:43	0.0	-

Upwind 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

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

Project:	450 Union Remediation	Project No.:	24-071	Date:	08/15/24
Client:	2201 Union LLC	Location:	Brooklyn, NY	Day of Week:	Thursday
Owner:	2201 Union LLC	Superintendent:	Rick McKay	Days on Site:	8
Manager:	Trae Deri	Engineer:	Srujan Prasad	Shift Times:	7:00-16:30

Weather:			
Low:	69	Cloud Cover:	Sunny
High:	89	Precipitation:	0"
Wind:	5 -10MPH	Direction:	NW
Description of Work Activities:			
<ul style="list-style-type: none"> - 0700 to 0730, GSI held a tailgate safety meeting and discussed the day's planned activities with site personnel. - 0800 to 1400, GSI continued batch plant setup, adding hoses to the water tank and performed house keeping in the batch plant area. - 1230 to 1400, GSI excavated 2ftbgs swell pond using Kobelco Excavator in NW corner next to the fence to throw the swell material. - 1000 to 1030, GSI received a delivery of 36.3 gallons of dyed diesel fuel. - 0800 to 1630, GSI continued staging all the equipment using a forklift and excavator. - 1330 to 1400, prepped batch plant for production of grout. 			
Delmag Rig:			
<ul style="list-style-type: none"> - 1400 to 1430, GSI added grout line, staked column. - 1430, Delmag Rig started drilling column B3 and had an obstruction at 5.09ftbgs, GSI attempted to clear the obstruction using Kobelco excavator and clearing some big chunks of concrete beams for 30 minutes. GSI was unsuccessful in removing the obstruction. The column was abandoned and backfilled with remaining grout and spoils. GSI will relocate and attempt the next column, B4 during the next shift. - 1530 to 1600, Kobelco excavator managed ISS spoils, fueled equipment. - 1630, All GSI personnel offsite. 			
Conversation with Client/Inspector:			
Production Delays:			
Obstruction in column B3. GSI attempted to excavate the obstruction prior to abandoning the column for completion at a later date.			
Safety Topics:			
Discussed: Radios play an important part at many worksites for workers to be able to communicate properly with one another			

Rick McKay
 Foreman/Superintendent

08/15/24
 Date

Project:	450 Union Remediation	Project No.:	24-071	Date:	08/15/24
Client:	2201 Union LLC	Location:	Brooklyn, NY	Day of Week:	Thursday
Owner:	2201 Union LLC	Superintendent:	Rick McKay	Days on Site:	8
Manager:	Trae Deri	Engineer:	Srujan Prasad	Shift Times:	7:00-16:30
Production:			Completion:		
Today:	0.00 CY	0 Columns	0% Columns		
To-Date:	0.00 CY	0 Columns	0% CY		
Materials Received:					
Material	Unit	Today	Total	Notes	
Slag- Grade 120	Ton	0	25		
Portland Cement - Type 1L	Ton	0	25		
Hours	Equipment	Task	Hours	Employees On Site	Trade
9.0	Offroad Forklift	Material Handling	9.5	Trae Deri	PM
9.0	185 Air Compressor	ISS Mixing	9.5	Rick McKay	SUPT
9.0	Conex box(1)	Storage	9.5	Srujan Prasad	ENG
9.0	300kw Generator	Batch Plant	9.5	Eric Shannon	DRILL
9.0	Lo-pro silo(2)	Cement Storage	9.0	Miguel Maldonado	LAB
9.0	Flash mixers (2)	Batch Plant	9.0	Daniel Oliveira	BPO
9.0	Moyno pump(2)	Batch Plant	9.0	Peter Liota	OP
9.0	Delmag Hydraulic Rig	ISS Mixing	9.0	Christopher Ramdial	Oiler
9.0	Manlift	Maintenance	9.0	Steven Reda	LAB
9.0	Kobelco Excavaor	ISS Mixing	9.0	Santo Oliveri	OP
9.0	250kw Generator	Batch Plant			
99	TOTAL DAY HOURS		92	TOTAL DAY HOURS	
99	TOTAL HOURS		92	TOTAL HOURS	

LEGEND:

SUPT- Superintendent, **PM**- Project Manager, **ENG** - Engineer, **SSHC** - Health & Safety Coordinator, **LAB** - Laborer, **OP** - Operator, **BPO** - Batch plant Operator, **OILER** - Oiler, **DRILLER** - Rig Opeartor

Rick McKay

Foreman/Superintendent

08/15/24

Date

Auger ISS Drill Rig Report



Job Site Data

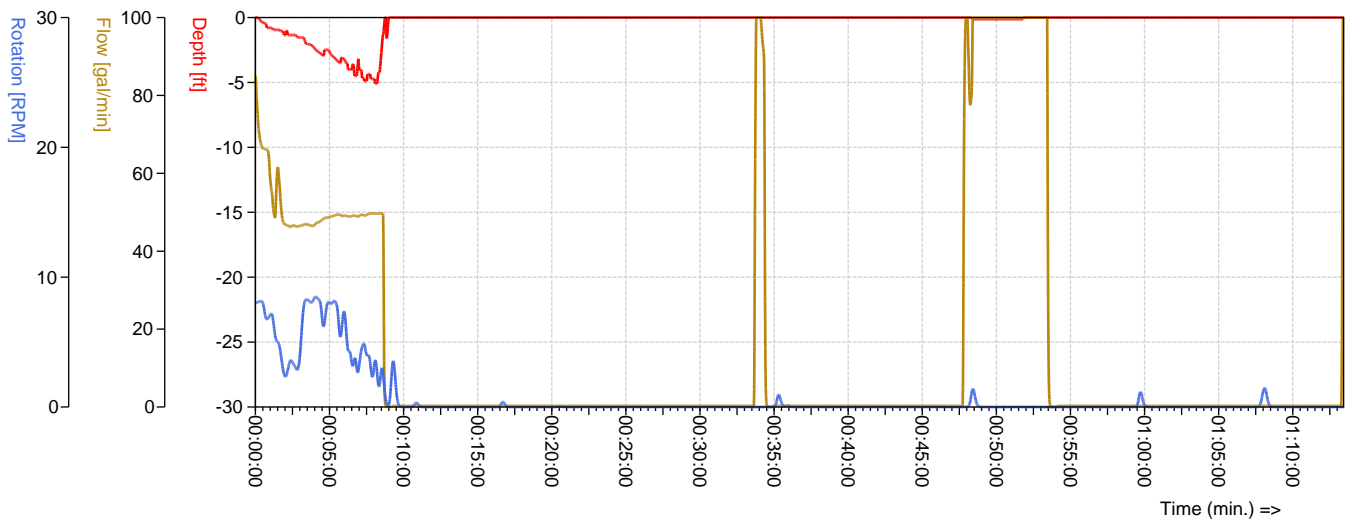
Project: Brooklyn, NY
JobID: 24-071
Client: Union LLC
Contractor: Geo-Solutions
Equipment ID: Delmag Rig

Data for Pile No: B3

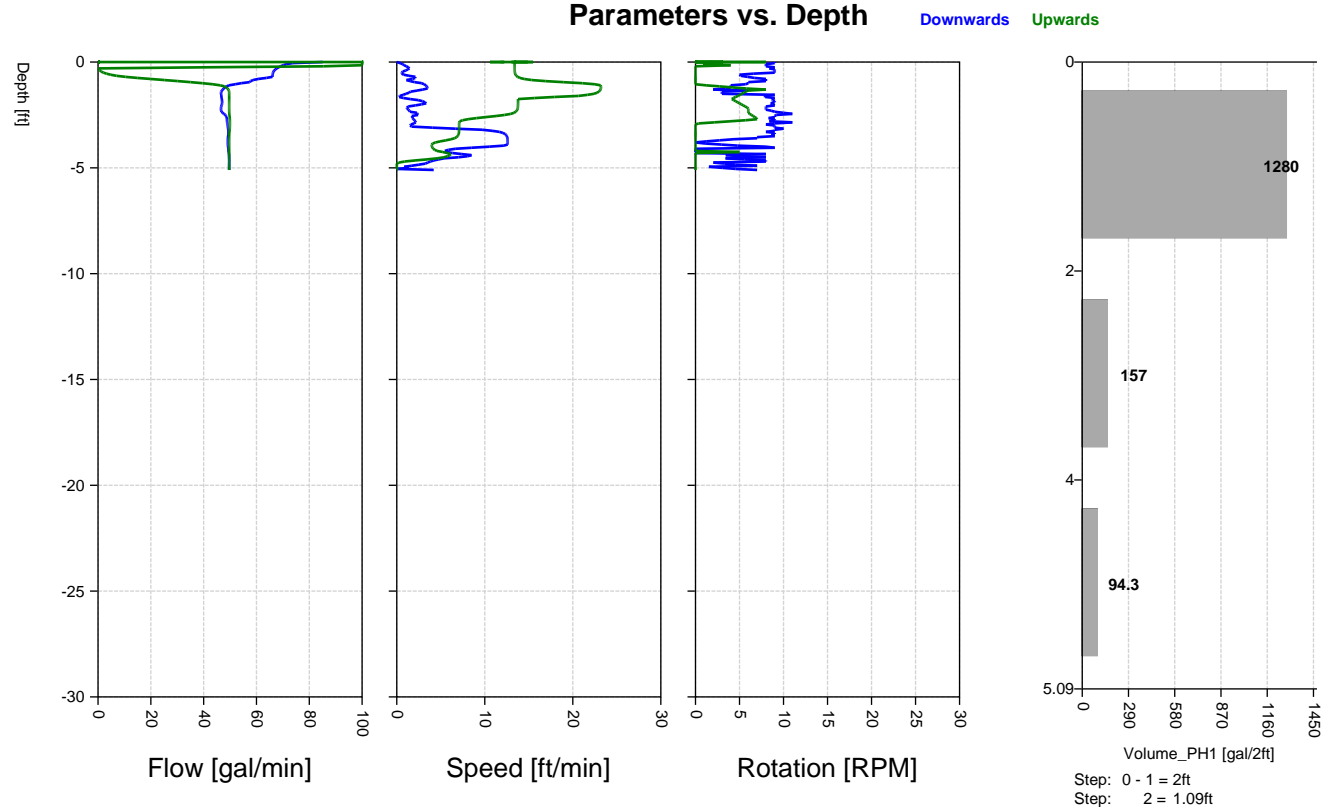
Date: 8/15/2024
Start of production: 2:25:15 PM
End of production: 3:38:40 PM
Total time: 01:13:25
Pause time: 00:00:00

Pile length: 5.09 ft
Total Volume: 1531 gal
Strokes: 1

Parameters vs. Time



Parameters vs. Depth



Comment