

DAILY STATUS REPORT

Prepared By: Thomas Giordano

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:	8/16/2024
Project Name:	450 Union Street, Brooklyn, NY		

Consultant: Vektor Consultants – Peter Rath sack / Thomas Giordano Visitors: WSP –Timothy Williams NYSDEC – Meghan Medwid and Tracy Garland	Personnel On-Site: Geo-Solutions Inc.- Subcontractor
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Work Activities Performed:

- GSI attempted the drilling and 9% cement mix installation for ISS-2. Refusal was encountered at approximately 7 feet below grade and work was halted. GSI removed fill material consisting of metal and concrete. It was decided to attempt ISS-3 instead and the ISS-2 column was backfilled with spoils.
- GSI moved to ISS-3 and began preclearing the drilling area of obstructions. Obstructions were encountered from grade to approximately 12 feet below site grade and consisted of metal and concrete. The ISS-3 column was backfilled with spoils by the end of the workday.
- 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 northwest.

Background Levels (Initial Readings at Start of Day):

PID: 0.0 ppm Dust: 0.0568 mg/m³

Highest Levels:

PID: 0.0 ppm Dust: 0.0934 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 stations.

Problems Encountered

The support of excavation (SOE) for the high-level relieving platform along the Gowanus Canal was encountered within the ISS work area immediately east of the proposed ISS-3 location. GSI carefully exposed the SOE to ensure that drilling did not interfere with the existing structures.

Planned Activities for the Next Day

Drilling of ISS-3.

SITE PLAN WITH LOCATIONS

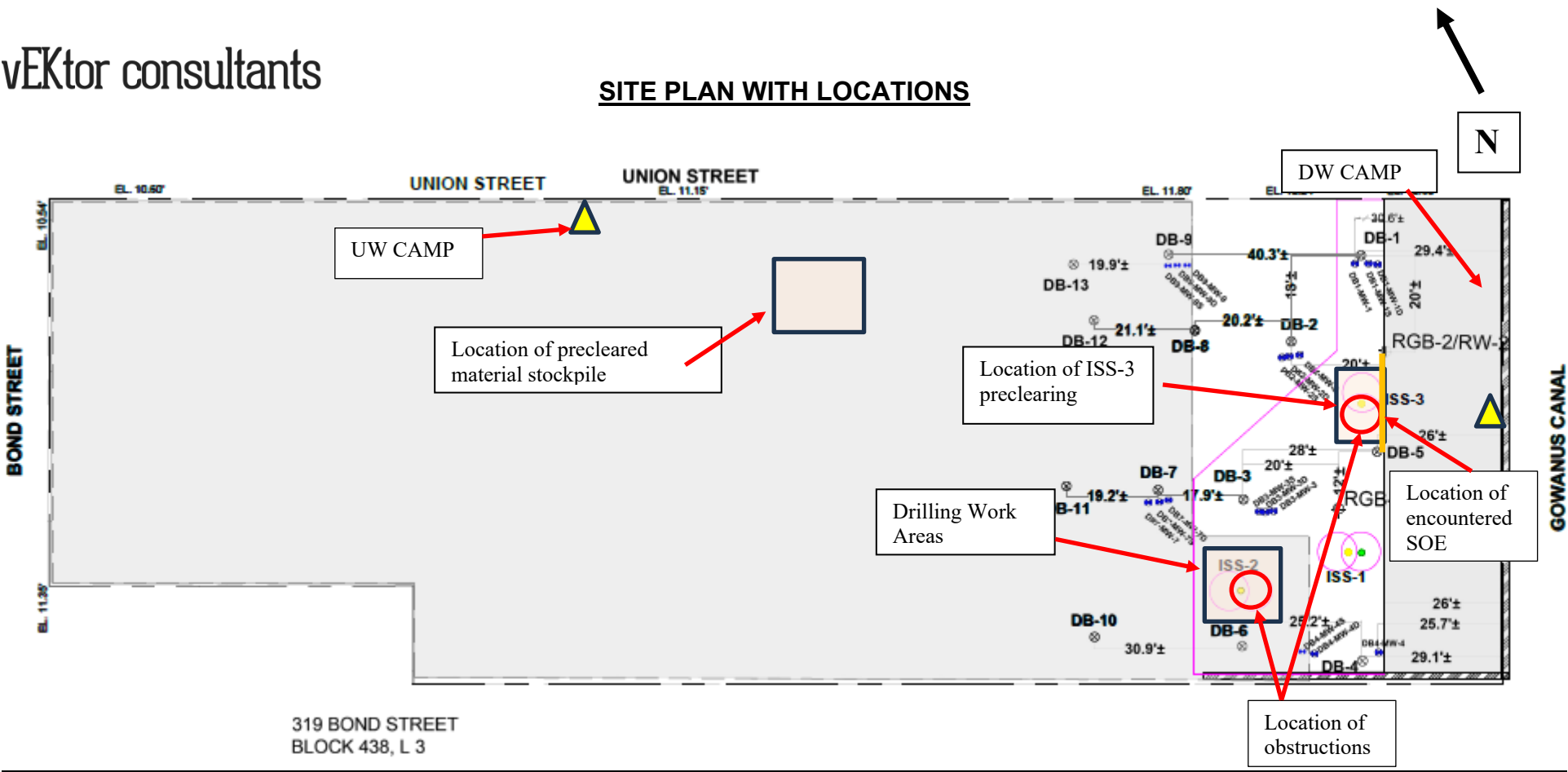


Photo Log

Photo 1:
Downwind CAMP setup at the start of
the day, facing southwest.



Photo 2:
Second attempt for drilling of ISS-2,
facing west.



Photo 3:
Removal of obstructions from ISS-2,
facing southeast.



Photo 4:
Removal of obstructions from ISS-3,
facing south.



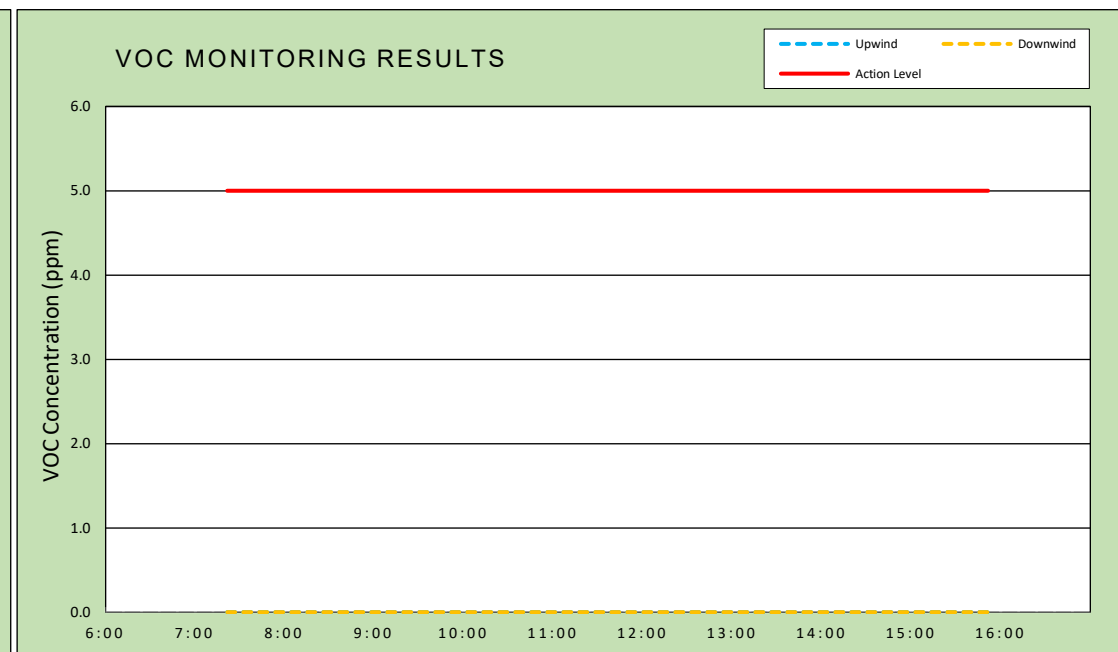
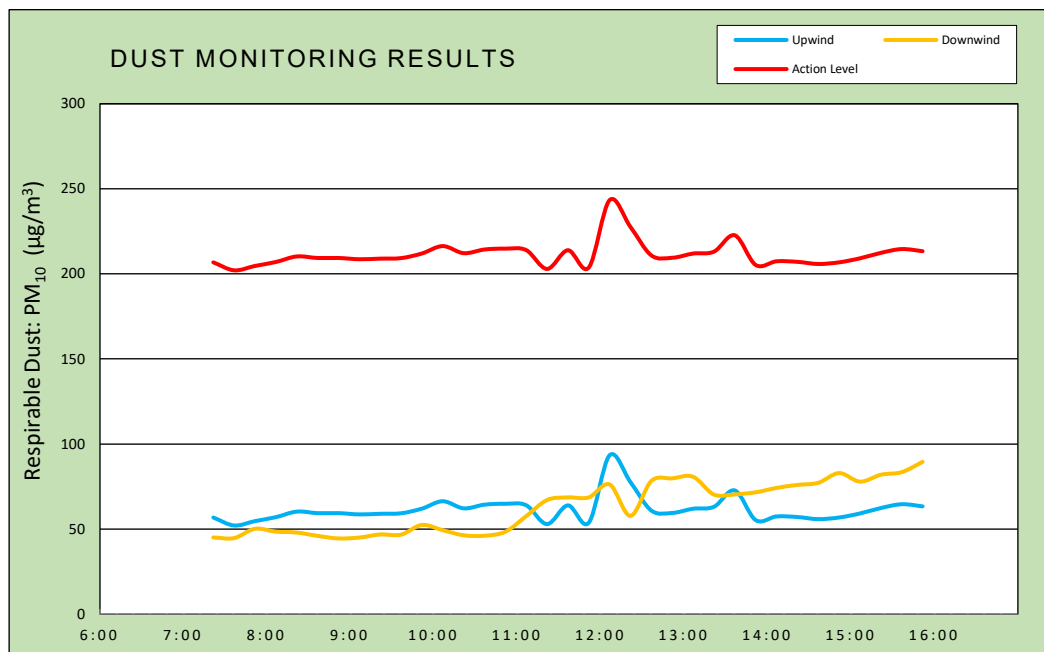
Photo 5:
Setup of rig over ISS-3 (12% mix) for
drilling during next shift, facing south.



vEktor consultants 37 W. 37th St, 6th Floor - New York, NY	DAILY AIR MONITORING REPORT 450 Union Street Brooklyn, New York				08/16/2024	
					Rev. No. 0	Page 1 of 2
					Project Number:	
					Dust Action Level	150 $\mu\text{g}/\text{m}^3$
		VOC Action Level	5 ppm			

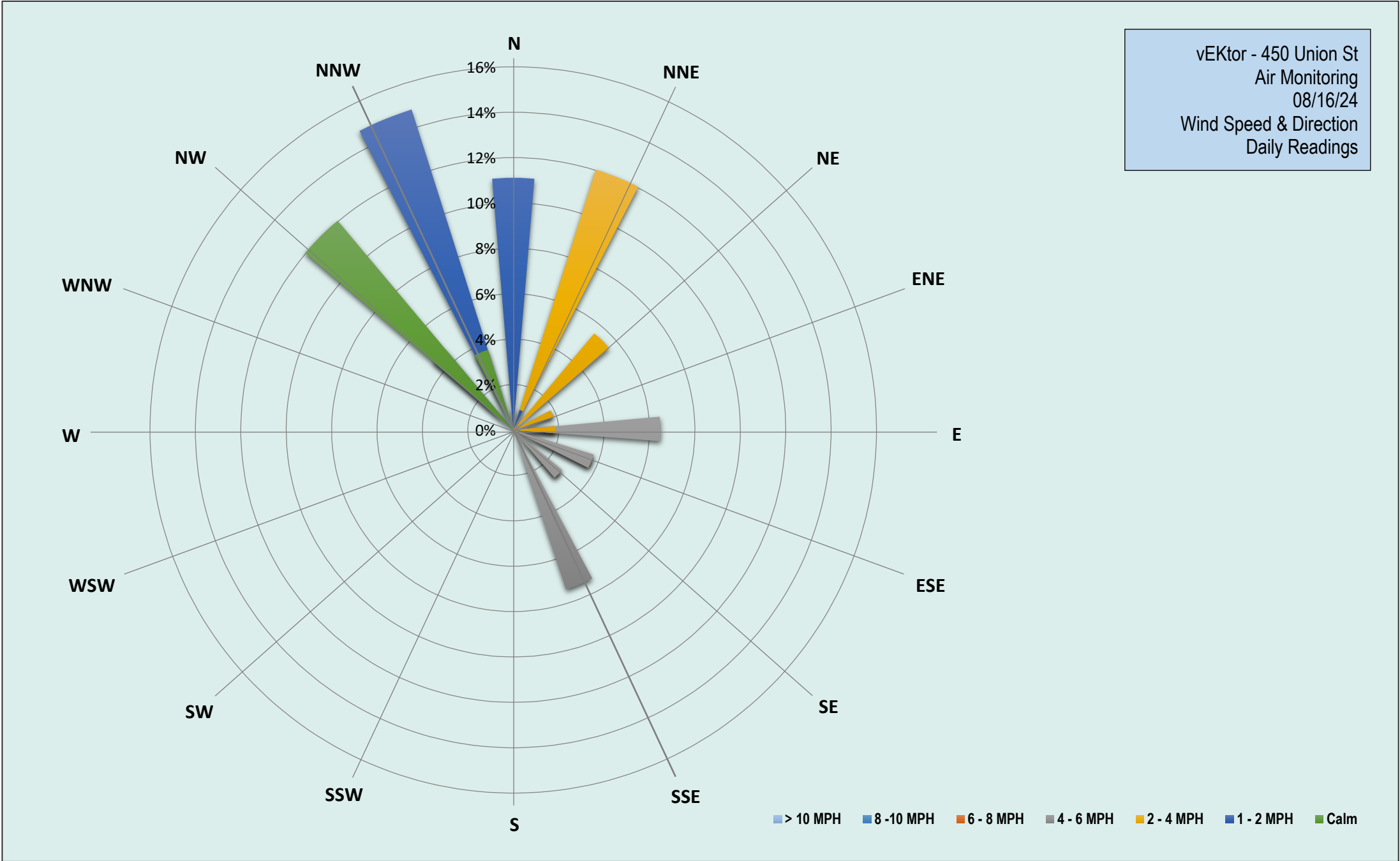
Weather Data Range for Work Day		Wind Direction	NNW	Relative Humidity (%)	44.0 - 80.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	72.0 - 88.0	Wind Speed (MPH)	0.6 - 6.6	Barometer (inHg)	30.00 - 30.10	Avg. Dew Point Temp (°F)	65.5	

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	61.3	93.4	12:07	0.0	0.0	7:25
Downwind	63.3	89.5	15:52	0.0	0.0	7:25



Air Monitoring Notes:

Weather Notes:



Friday, August 16, 2024				
Number of Instances Where Downwind Particulates				0
Number of Comparable Data Points =				35
Start Time:				7:22
End Time:				15:52
PARTICULATE DATA				
Upwind		Downwind		Exceeds Particulate Alarm Limit
Time	15-Min Avg Concentration (ug/m³)	Time	15-Min Avg Concentration (ug/m³)	
7:22	56.8	7:22	45.0	-
7:37	52.1	7:37	44.7	-
7:52	54.7	7:52	50.1	-
8:07	57.0	8:07	48.5	-
8:22	60.2	8:22	47.9	-
8:37	59.3	8:37	46.0	-
8:52	59.3	8:52	44.5	-
9:07	58.6	9:07	45.0	-
9:22	59.0	9:22	46.8	-
9:37	59.3	9:37	46.7	-
9:52	62.0	9:52	52.4	-
10:07	66.3	10:07	49.3	-
10:22	62.2	10:22	46.3	-
10:37	64.3	10:37	46.1	-
10:52	64.8	10:52	48.4	-
11:07	64.0	11:07	57.6	-
11:22	52.9	11:22	67.0	-
11:37	63.9	11:37	68.6	-
11:52	53.7	11:52	68.6	-
12:07	93.4	12:07	76.2	-
12:22	77.5	12:22	57.7	-
12:37	60.8	12:37	78.3	-
12:52	59.5	12:52	79.8	-
13:07	61.9	13:07	80.7	-
13:22	63.1	13:22	70.2	-
13:37	72.7	13:37	70.4	-
13:52	55.2	13:52	71.6	-
14:07	57.4	14:07	74.2	-
14:22	57.1	14:22	75.9	-
14:37	55.8	14:37	77.2	-
14:52	56.8	14:52	82.9	-
15:07	59.1	15:07	77.8	-
15:22	62.3	15:22	81.9	-
15:37	64.6	15:37	83.4	-
15:52	63.3	15:52	89.5	-

Exceedance
Level

206.8
202.1
204.7
207.0
210.2
209.3
209.3
208.6
209.0
209.3
212.0
216.3
212.2
214.3
214.8
214.0
202.9
213.9
203.7
243.4
227.5
210.8
209.5
211.9
213.1
222.7
205.2
207.4
207.1
205.8
206.8
209.1
212.3
214.6
213.3

Upwind DustTrak Data Summary		
Daily Maximum	425.3	ug/m ³
Daily Minimum	41.8	ug/m ³
Daily Average	61.3	ug/m ³
Maximum 15-Minute Average	93.4	ug/m ³

Downwind DustTrak Data Summary		
Daily Maximum	177.8	ug/m ³
Daily Minimum	42.0	ug/m ³
Daily Average	63.3	ug/m ³
Maximum 15-Minute Average	89.5	ug/m ³

Friday, August 16, 2024				
Number of Instances Where Downwind VOCs Exceeds				0
Number of Comparable Data Points =				0
Start Time:				7:25
End Time:				15:55
PID DATA				
Upwind		Downwind		Exceeds VOC Alarm Limit
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	
7:25	0.0	7:25	0.0	-
7:40	0.0	7:40	0.0	-
7:55	0.0	7:55	0.0	-
8:10	0.0	8:10	0.0	-
8:25	0.0	8:25	0.0	-
8:40	0.0	8:40	0.0	-
8:55	0.0	8:55	0.0	-
9:10	0.0	9:10	0.0	-
9:25	0.0	9:25	0.0	-
9:40	0.0	9:40	0.0	-
9:55	0.0	9:55	0.0	-
10:10	0.0	10:10	0.0	-
10:25	0.0	10:25	0.0	-
10:40	0.0	10:40	0.0	-
10:55	0.0	10:55	0.0	-
11:10	0.0	11:10	0.0	-
11:25	0.0	11:25	0.0	-
11:40	0.0	11:40	0.0	-
11:55	0.0	11:55	0.0	-
12:10	0.0	12:10	0.0	-
12:25	0.0	12:25	0.0	-
12:40	0.0	12:40	0.0	-
12:55	0.0	12:55	0.0	-
13:10	0.0	13:10	0.0	-
13:25	0.0	13:25	0.0	-
13:40	0.0	13:40	0.0	-
13:55	0.0	13:55	0.0	-
14:10	0.0	14:10	0.0	-
14:25	0.0	14:25	0.0	-
14:40	0.0	14:40	0.0	-
14:55	0.0	14:55	0.0	-
15:10	0.0	15:10	0.0	-
15:25	0.0	15:25	0.0	-
15:40	0.0	15:40	0.0	-
15:55	0.0	15:55	0.0	-

Exceedance Level

5.0

5.0

5.0

5.0

5.0

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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:	08/16/24
Client:	2201 Union LLC	Location:	Brooklyn, NY	Day of Week:	Friday
Owner:	2201 Union LLC	Superintendent:	Rick McKay	Days on Site:	9
Manager:	Trae Deri	Engineer:	Srujan Prasad	Shift Times:	7:00-16:30

Weather:		
Low: 67	Cloud Cover: Sunny	Wind: 5 -10MPH
High: 91	Precipitation: 0"	Direction: NNE
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 0830, prepped batch plant for production of grout. <p>Delmag Rig:</p> <ul style="list-style-type: none"> - 0830 to 0920, GSI added grout line, staked column and pre-excavated column B4 to 6-7ftbgs removing chunks of concrete, metal and other debris. - 0925, Delmag Rig started drilling column B4 and had an obstruction at 7.22ftbgs, GSI attempted to remove the obstruction using Kobelco excavator and clearing some big chunks of concrete beams and metal pieces for 45 minutes. GSI was unsuccessful in removing the obstruction. The column was abandoned and backfilled with remaining grout and spoils. - 1130 to 1530, GSI Pre cleared the column E6 and E7 upto 12ftbgs using Kobelco excavator by clearing big pieces of concrete rocks and backfilled with spoils. - 1530 to 1600, Kobelco excavator managed ISS spoils, fueled equipment. - 1630, All GSI personnel offsite. 		
Conversation with Client/Inspector:		
Production Delays:		
Obstruction in column B4,E6 and E7. GSI attempted to excavate the obstruction prior to abandoning the column for completion at a later date.		
Safety Topics:		
Discussed: There can be a variety of issues in any single work area. It is important to take the time to thoroughly check your work area for hazards and take the steps to mitigate them.		

Rick McKay
 Foreman/Superintendent

08/16/24
 Date

Project:	450 Union Remediation	Project No.:	24-071	Date:	08/16/24
Client:	2201 Union LLC	Location:	Brooklyn, NY	Day of Week:	Friday
Owner:	2201 Union LLC	Superintendent:	Rick McKay	Days on Site:	9
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	1 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	10.0	Trae Deri	PM
9.0	185 Air Compressor	ISS Mixing	11.0	Rick McKay	SUPT
9.0	Conex box(1)	Storage	10.5	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	8.0	Daniel Oliveira	BPO
9.0	Moyno pump(2)	Batch Plant	10.5	Peter Liota	OP
9.0	Delmag Hydraulic Rig	ISS Mixing	8.5	Christopher Ramdial	Oiler
9.0	Manlift	Maintenance	8.5	Steven Reda	LAB
9.0	Kobelco Excavaor	ISS Mixing	8.0	Santo Oliveri	OP
9.0	250kw Generator	Batch Plant			
99	TOTAL DAY HOURS		94	TOTAL DAY HOURS	
99	TOTAL HOURS		94	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

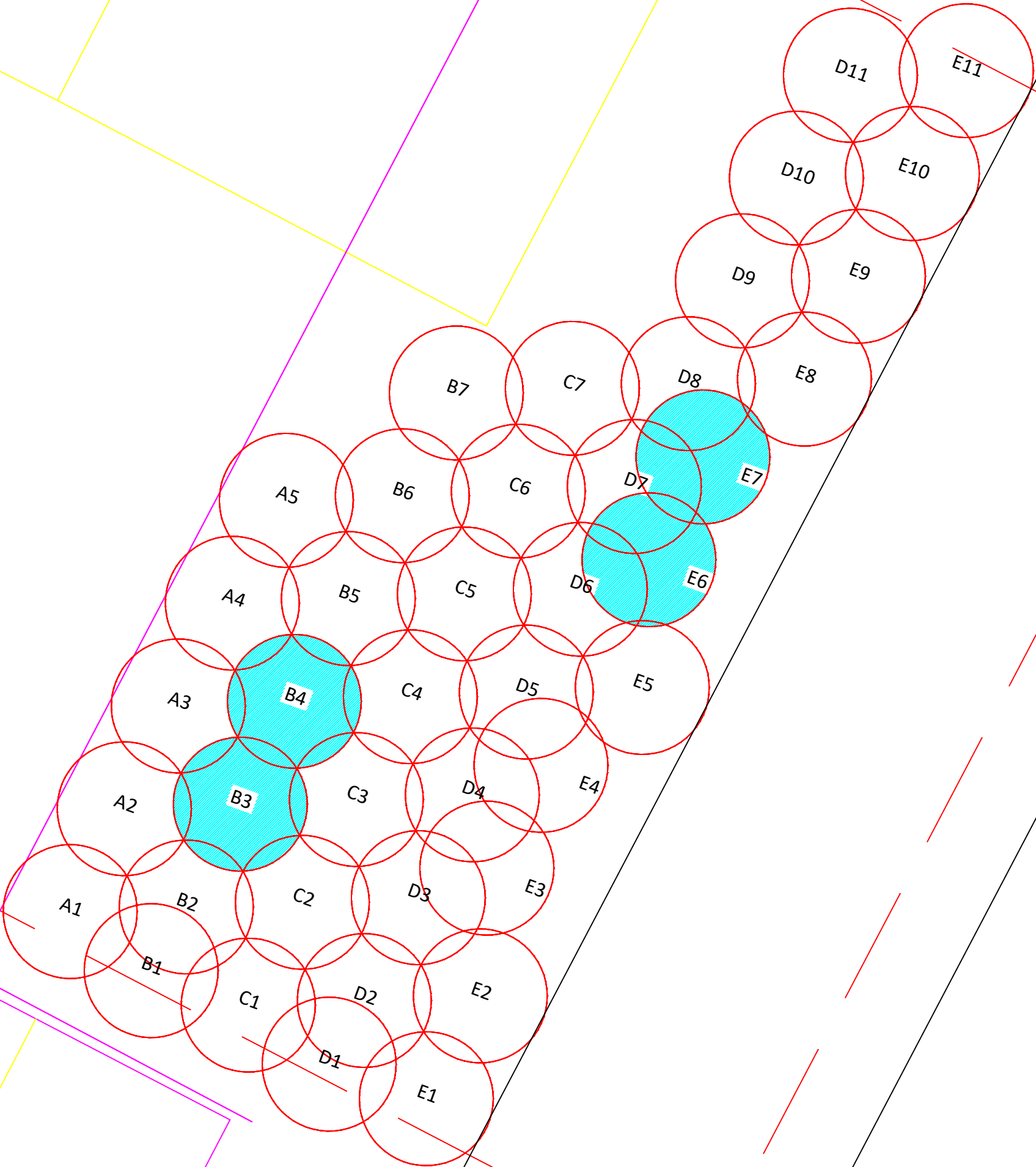
Rick McKay

Foreman/Superintendent

08/16/24

Date

- Previously completed Colum
- Columns completed today
- Sampled Columns
- Obstructed Columns



REV			DESCRIPTION			CHECKED		
APPROVED			REV			APPROVED		
APPROVED			REV			APPROVED		
APPROVED			REV			APPROVED		

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Brooklyn, NY Auger ISS Report



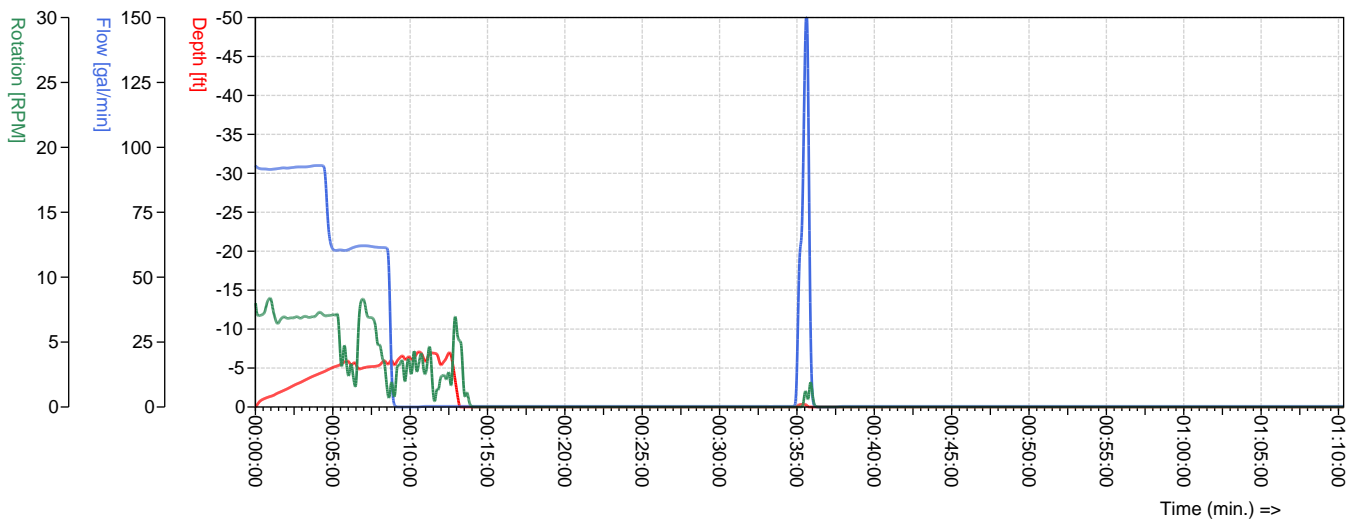
Job Site Data

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

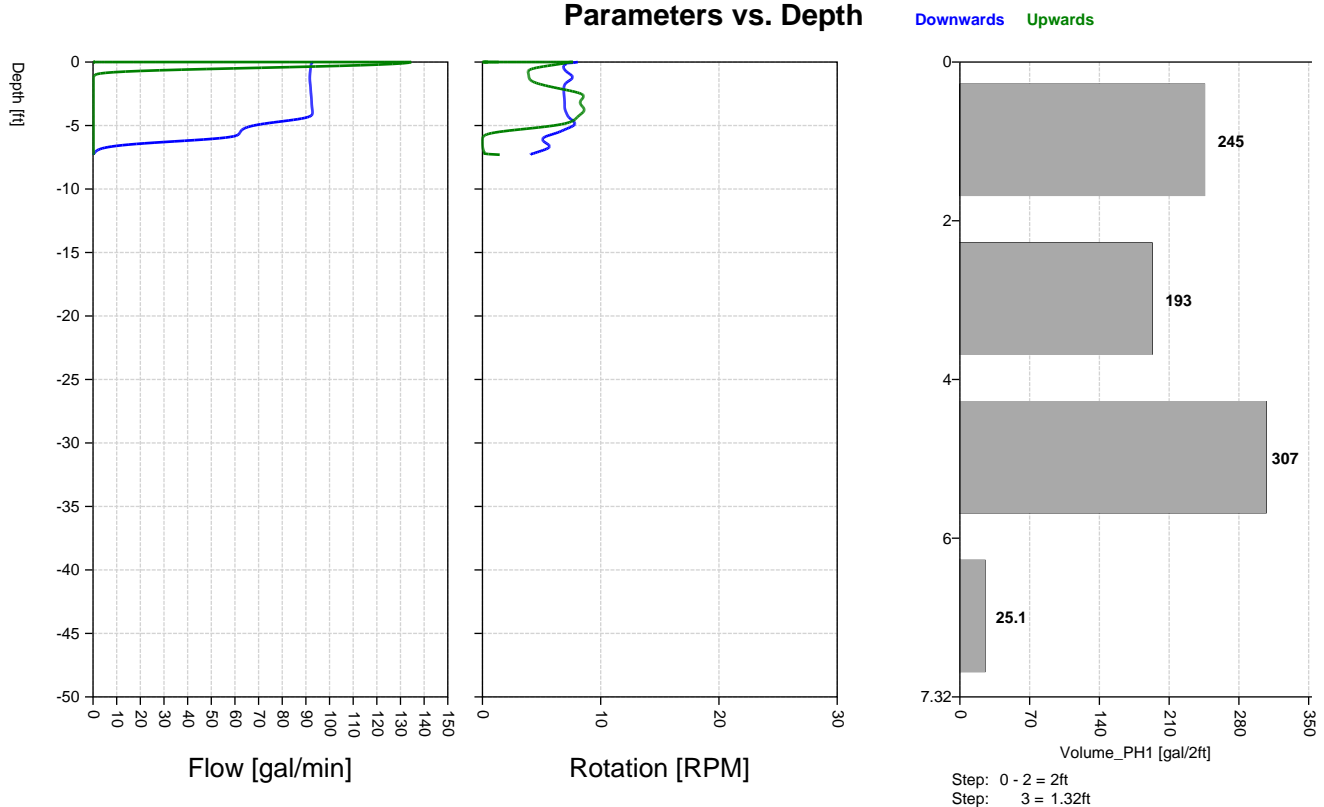
Data for Pile No: B4

Date: 8/16/2024
Start of production: 9:25:06 AM
End of production: 10:35:25 AM
Total time: 01:10:19
Pause time: 00:00:00
Pile length: 7.32 ft
Total Grout: 771 gal
Strokes: 1

Parameters vs. Time



Parameters vs. Depth



Comment