vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/12/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 14:00

Personnel On-Site:
Environmental Consultant: Vektor Consultants – Peter Rathsack, Ezgi Karayel
GZA: Dan Tessar
Coastal Environmental Solutions - Patrick Slavin, Jay Rosser, Dylan Slavin
WSP: Brian Jessourian

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 DB1-MW-1, DB-2-MW-2S, DB-2-MW-2D, and DB4-MW-4S were measured and marked in accordance with the RSOWP and with guidance from DEC.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB1-MW-1. DB1-MW-1 was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB1-MW-1 was installed to a depth of 75 feet bgs, screened between 25 and 70 feet bgs i.e. GCM impacted interval) and included a 5-foot sump from 70 to 75.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB-2-MW-2S. DB-2-MW-2S was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB-2-MW-2S was installed to a depth of 15 feet bgs and screened between 5 and 15 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed NAPL mobility well DB-2-MW-2D. DB-2-MW-2D was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB-2-MW-2D was installed to a depth of 42 feet bgs and screened between 32 (bottom of GCM impact) and 42 feet bgs.
- Coastal mobilized with Sonic Drill Rig CRS XL 140 DUO and installed groundwater monitoring well DB4-MW-4S. DB4-MW-4S was installed with a 2-inch PVC riser pipe and 0.02-inch PVC slotted screen. DB4-MW-4S was installed to a depth of 15 feet bgs and screened between 5 and 15 feet bgs.
- Coastal and Vektor developed monitoring wells DB3-MW-3D, DB3-MW-3S, and DB3-MW-3 until the monitoring well reached equilibrium and turbidity of the purge water was measured to below 50 nephelometric turbidity units (NTUs).
- All drilling fluid and spoils were placed into a 55-gallon drum at the Site for future off-site disposal.

Samples Collected: N/A

Community Air Monitoring Program

Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location.

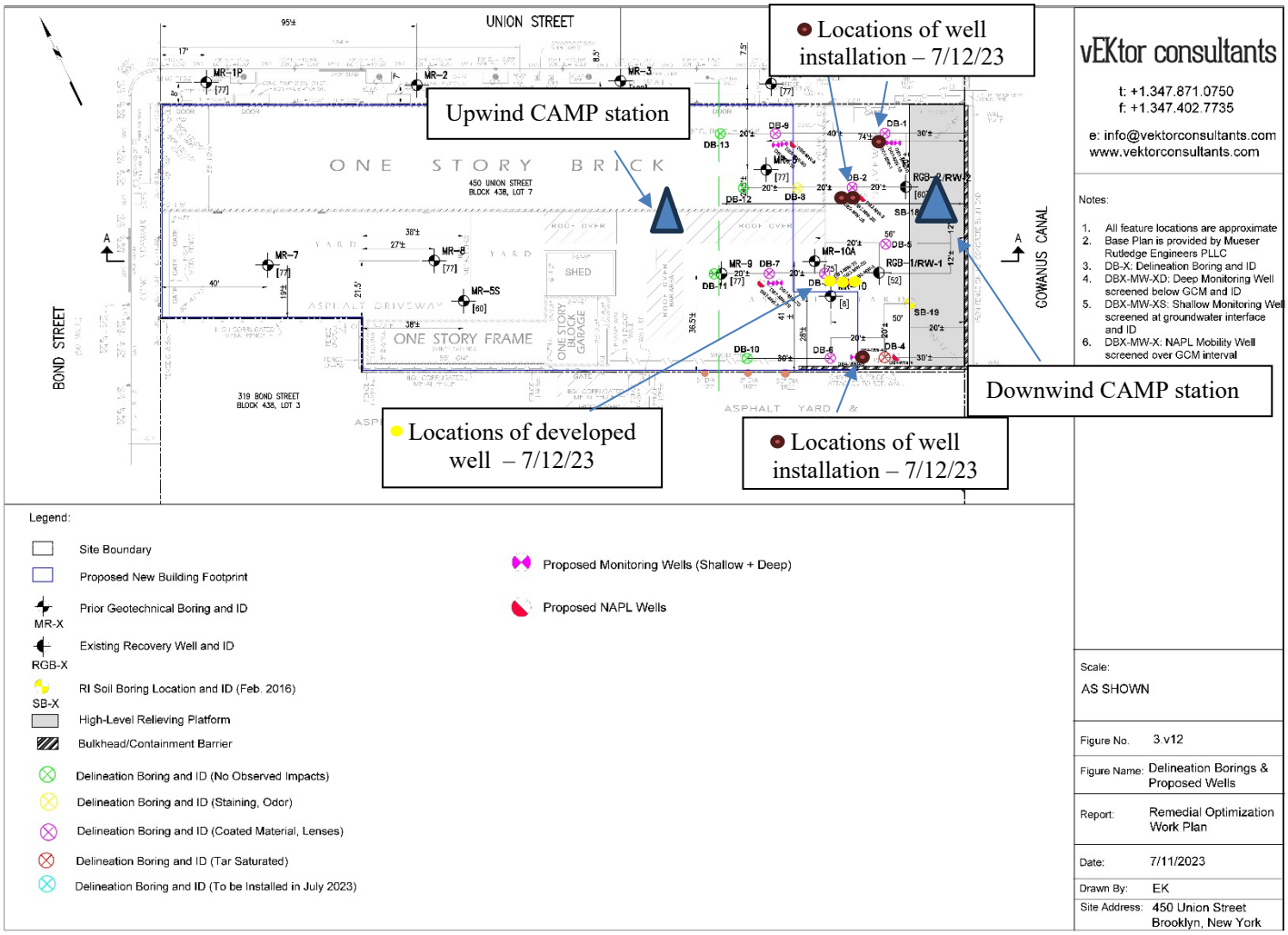
Problems Encountered

N/A

Planned Activities for the Next Day

Continued installation and development of groundwater monitoring wells

SITE PLAN / WORK AREAS



vEKtor consultants
t: +1.347.871.0750
f: +1.347.402.7735
e: info@vektorconsultants.com
www.vektorconsultants.com

Notes:

1. All feature locations are approximate
2. Base Plan is provided by Mueser Rutledge Engineers PLLC
3. DB-X: Delineation Boring and ID
4. DBX-MW-XD: Deep Monitoring Well screened below GCM and ID
5. DBX-MW-XS: Shallow Monitoring Well screened at groundwater interface and ID
6. DBX-MW-X: NAPL Mobility Well screened over GCM interval

Scale:	AS SHOWN
Figure No.	3.v12
Figure Name:	Delineation Borings & Proposed Wells
Report:	Remedial Optimization Work Plan
Date:	7/11/2023
Drawn By:	EK
Site Address:	450 Union Street Brooklyn, New York

PHOTO LOG

Photo 1: View of upwind CAMP station and Coastal Environmental Solutions installing DB1-MW-1	
Photo 2: View of DB3-MW-3S, DB3-MW-3D, and DB3-MW-3 after well development with manhole covers installed.	

Photo 3: View of Coastal Environmental Solutions mobilizing to DB2-MW-2S and DB2-MW-2D.	
Photo 4: View of DB2-MW-2D immediately after installation.	

vEKtor consultants

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

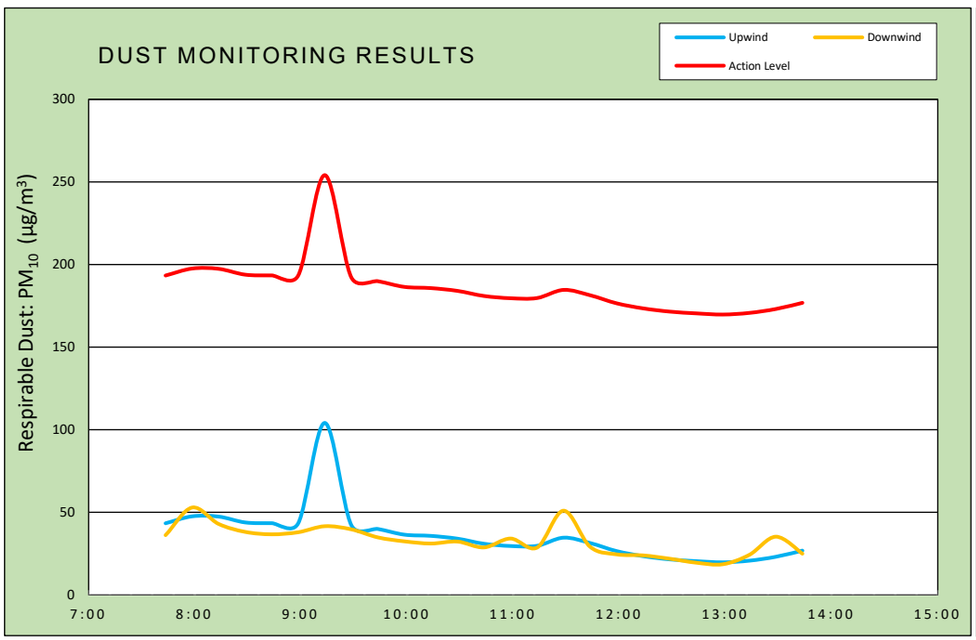
DAILY AIR MONITORING REPORT
450 Union Street
Brooklyn, New York

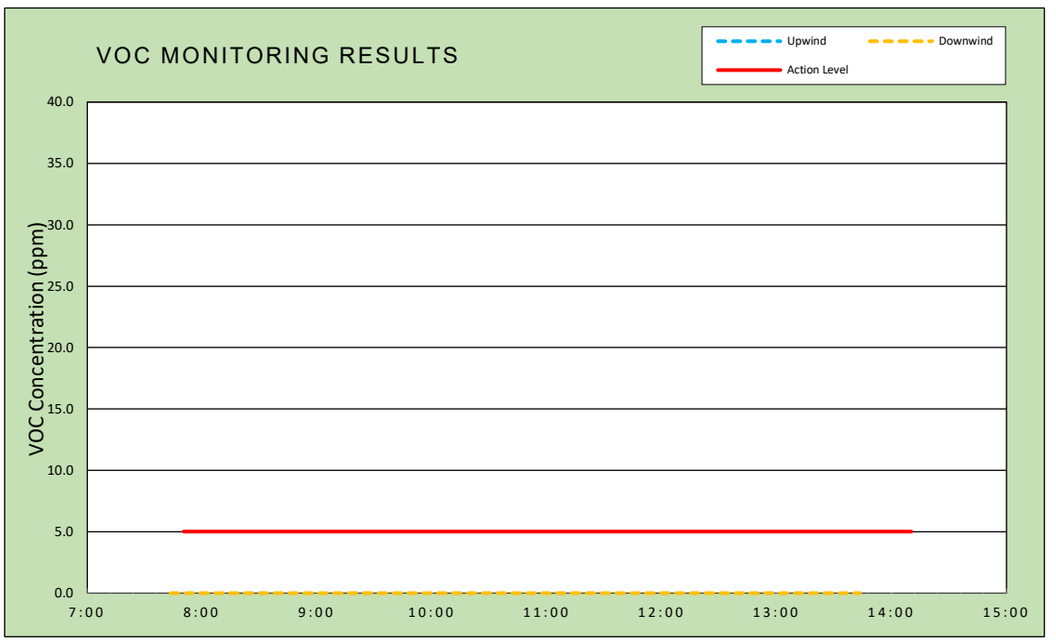
07/12/2023

Rev. No. 0	Page 1 of 2
Project Number:	
Dust Action Level	150 µg/m^3
VOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	W	Relative Humidity (%)	36.0 - 66.0	Daily Rain Total (in)	0.00	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	77.0 - 92.0	Wind Speed (MPH)	0.6 - 3.9	Barometer (inHg)	29.90 - 30.00	Avg. Dew Point Temp (°F)	63.0	

Station Location	Daily Avg. Dust Concentration (µg/m^3)	Max 15-Min Dust Concentration (µg/m^3)	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	35.9	104.5	9:01	0.0	0.0	13:28
Downwind	32.8	55.7	8:02	0.0	0.0	7:30

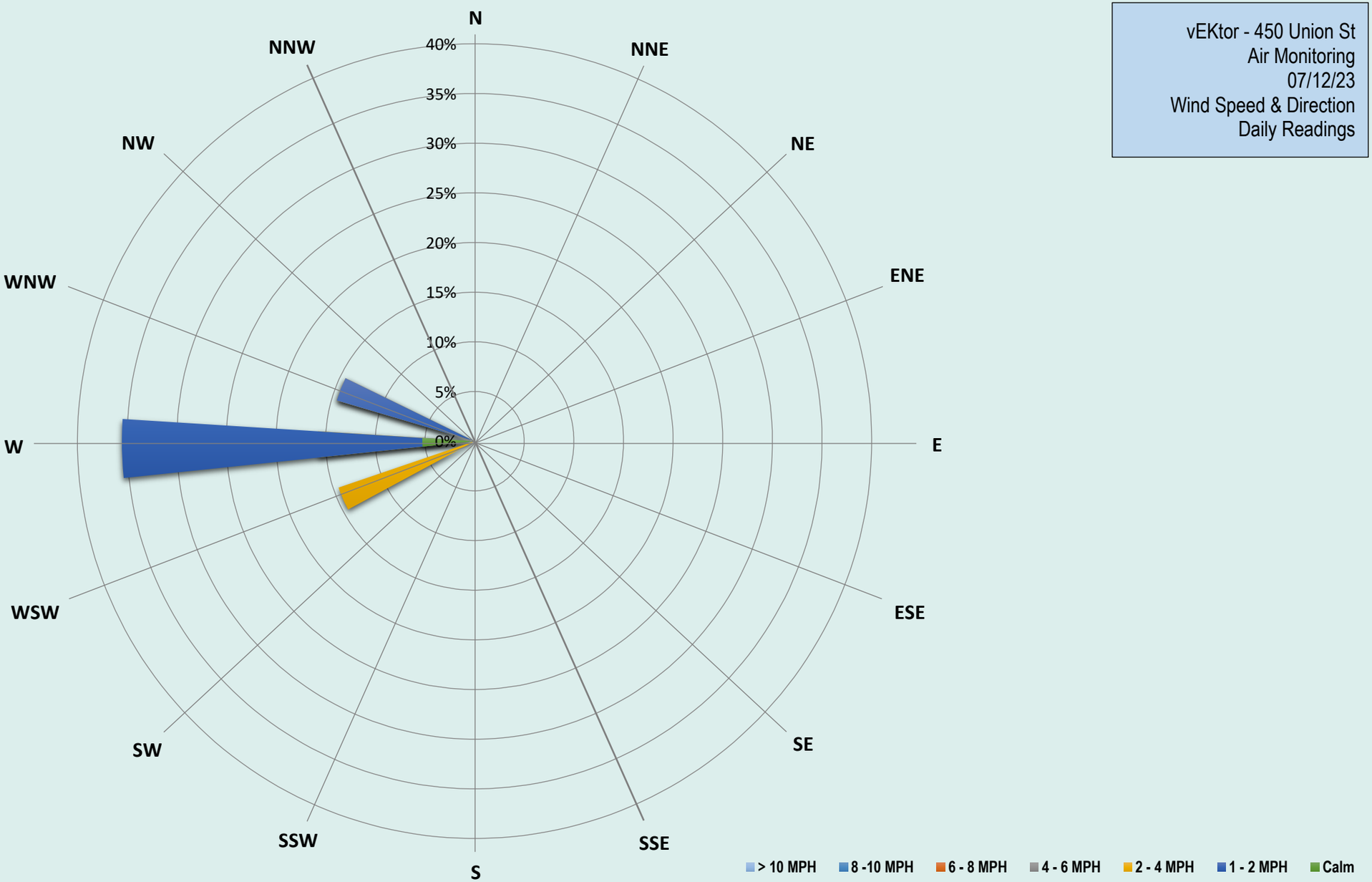




Air Monitoring Notes:

Weather Notes:

EMILCOTT
A Triumvirate Environmental Company



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Wednesday, July 12, 2023	
Number of Instances Where Downwind Particulates	0
Number of Comparable Data Points =	25
Start Time:	7:44
End Time:	13:44

PARTICULATE DATA

Upwind		Downwind			
Time	15-Min Avg Concentration (ug/m^3)	Time	15-Min Avg Concentration (ug/m^3)	Exceeds Particulate Alarm Limit	Exceedance Level
7:44	43.3	7:44	36.2	-	193.3
7:59	47.6	7:59	52.9	-	197.6
8:14	47.4	8:14	42.9	-	197.4
8:29	43.9	8:29	38.1	-	193.9
8:44	43.4	8:44	36.7	-	193.4
8:59	43.4	8:59	37.9	-	193.4
9:14	104.1	9:14	41.6	-	254.1
9:29	42.2	9:29	39.7	-	192.2
9:44	39.9	9:44	34.8	-	189.9
9:59	36.5	9:59	32.4	-	186.5
10:14	35.7	10:14	31.1	-	185.7
10:29	34.0	10:29	32.3	-	184.0
10:44	31.0	10:44	28.7	-	181.0
10:59	29.6	10:59	34.1	-	179.6
11:14	29.7	11:14	28.6	-	179.7
11:29	34.6	11:29	51.0	-	184.6
11:44	31.4	11:44	29.1	-	181.4
11:59	26.5	11:59	24.5	-	176.5
12:14	23.4	12:14	23.9	-	173.4
12:29	21.5	12:29	21.9	-	171.5
12:44	20.4	12:44	19.5	-	170.4
12:59	19.7	12:59	18.6	-	169.7
13:14	20.7	13:14	24.2	-	170.7
13:29	23.1	13:29	35.2	-	173.1
13:44	26.8	13:44	24.9	-	176.8

Upwind DustTrak Data Summary		
Daily Maximum	959.3	ug/m^3
Daily Minimum	0.0	ug/m^3
Daily Average	35.9	ug/m^3
Maximum 15-Minute Average	104.1	ug/m^3

Downwind DustTrak Data Summary		
Daily Maximum	292.5	ug/m^3
Daily Minimum	15.3	ug/m^3
Daily Average	32.8	ug/m^3
Maximum 15-Minute Average	52.9	ug/m^3

Wednesday, July 12, 2023	
Number of Instances Where Downwind VOCs Exceeds	0
Number of Comparable Data Points =	0
Start Time:	7:44
End Time:	13:44

PID DATA

Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
7:44	0.0	7:44	0.0	-	5.0
7:59	0.0	7:59	0.0	-	5.0
8:14	0.0	8:14	0.0	-	5.0
8:29	0.0	8:29	0.0	-	5.0
8:44	0.0	8:44	0.0	-	5.0
8:59	0.0	8:59	0.0	-	5.0
9:14	0.0	9:14	0.0	-	5.0
9:29	0.0	9:29	0.0	-	5.0
9:44	0.0	9:44	0.0	-	5.0
9:59	0.0	9:59	0.0	-	5.0
10:14	0.0	10:14	0.0	-	5.0
10:29	0.0	10:29	0.0	-	5.0
10:44	0.0	10:44	0.0	-	5.0
10:59	0.0	10:59	0.0	-	5.0
11:14	0.0	11:14	0.0	-	5.0
11:29	0.0	11:29	0.0	-	5.0
11:44	0.0	11:44	0.0	-	5.0
11:59	0.0	11:59	0.0	-	5.0
12:14	0.0	12:14	0.0	-	5.0
12:29	0.0	12:29	0.0	-	5.0
12:44	0.0	12:44	0.0	-	5.0
12:59	0.0	12:59	0.0	-	5.0
13:14	0.0	13:14	0.0	-	5.0
13:29	0.0	13:29	0.0	-	5.0
13:44	0.0	13:44	0.0	-	5.0

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