DAILY FIELD REPORT 156

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 2, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	12:00 pm to 7:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon excavated an about 20-foot-long by 15-foot-wide area to about 10 feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odors were observed; no PID readings above background (0.0 parts per million [ppm]). A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the south-central part of Block 25 to prepare for 3- to 5-inch rip rap backfill.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 3- to 5-inch rip rap on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 2- to 3-foot jetty stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cells [WC-Structure 4 [0-10 feet bgs] to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	2	**75**
	Quantity (CY)	40	**1480**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**6**
		Quantity (CY)	0	**120**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**30**
		Quantity (CY)	0	**590**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	1	**32**
		Quantity (CY)	20	**680**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**8**
		Quantity (CY	0	**160**

Samples Collected:

- No samples were taken today.

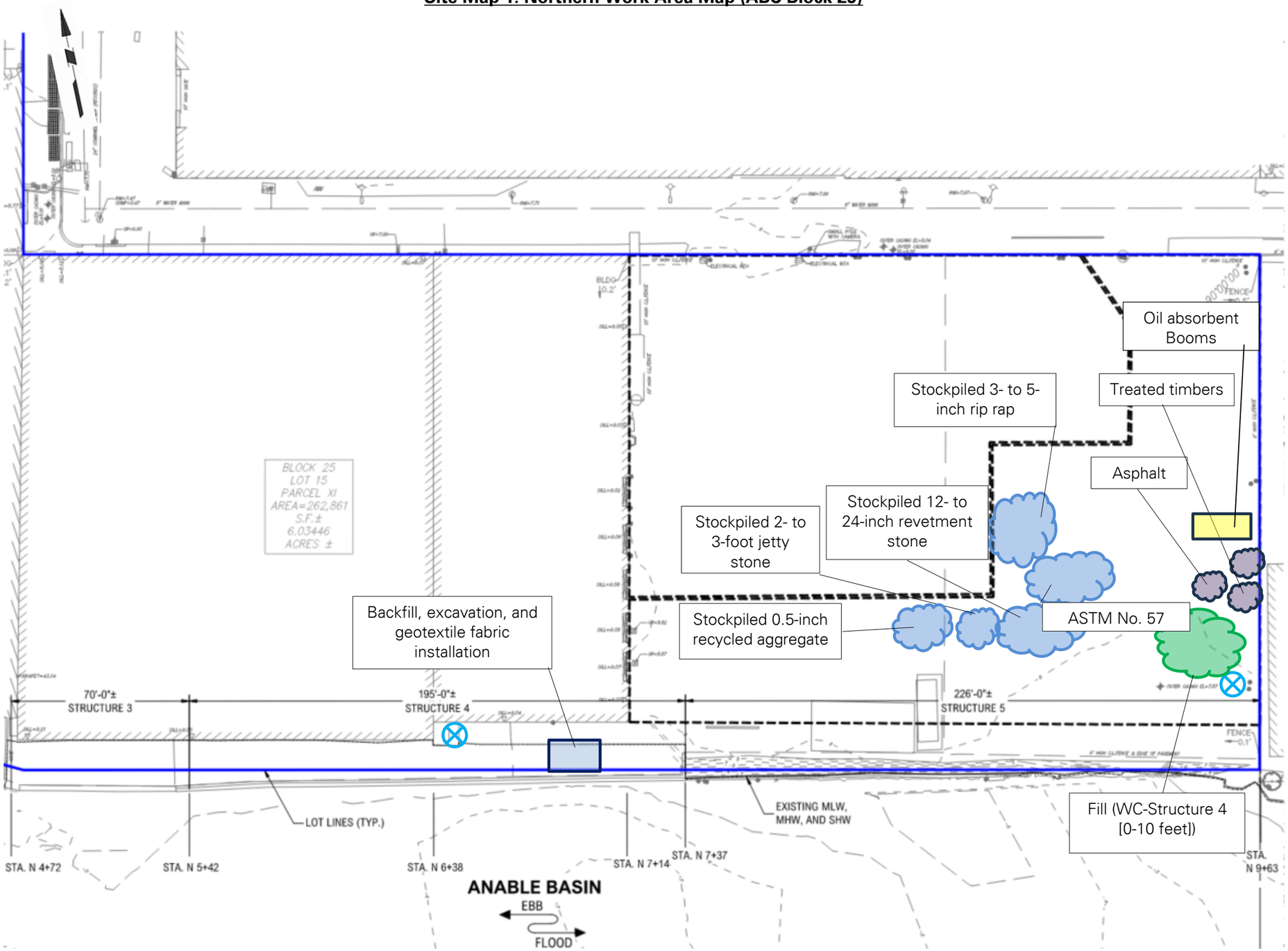
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

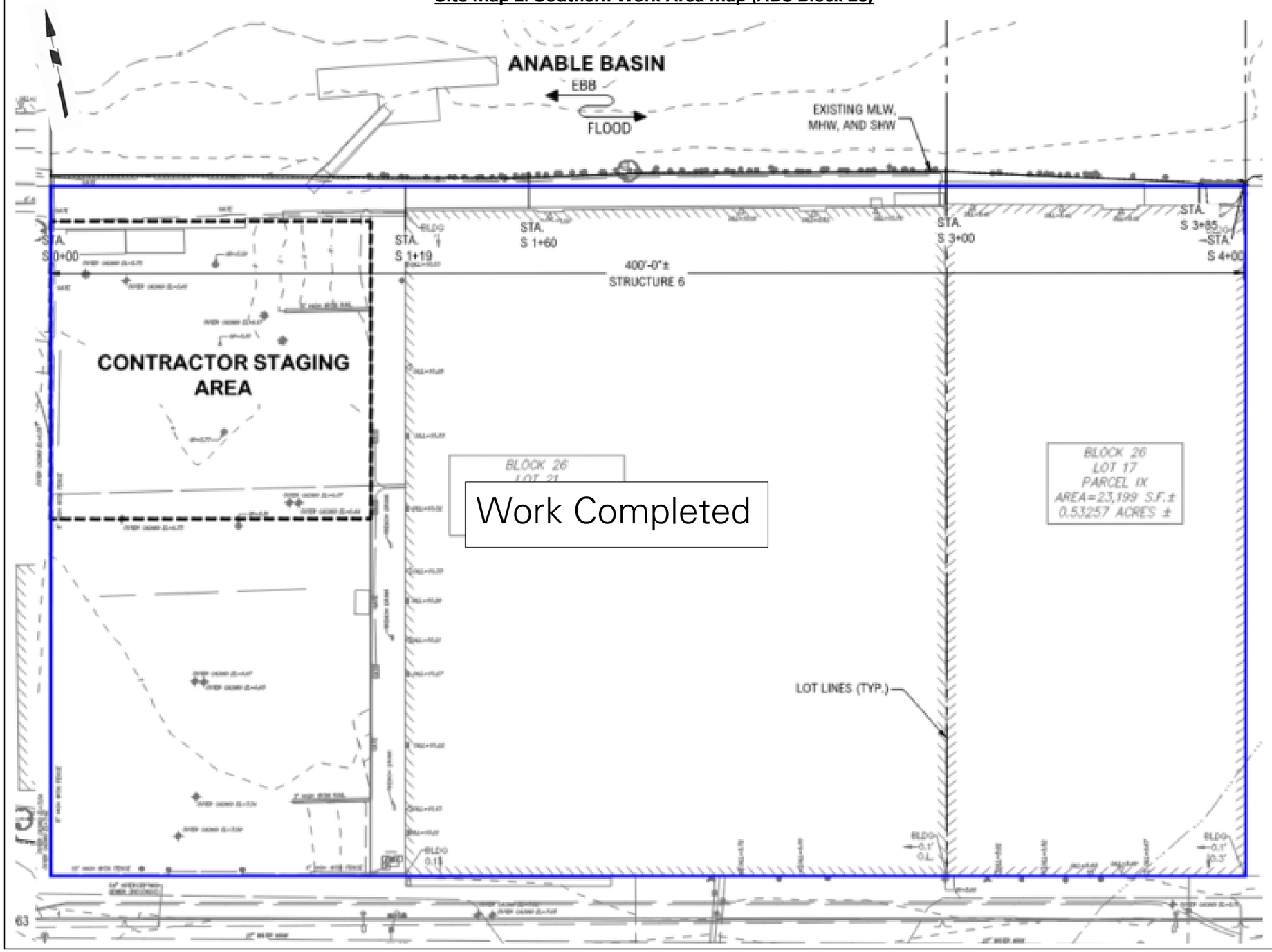


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.02 - Anable Basin Bulkhead Stabilization - Day 156

Site Map 2: Southern Work Area Map (ABC Block 26)

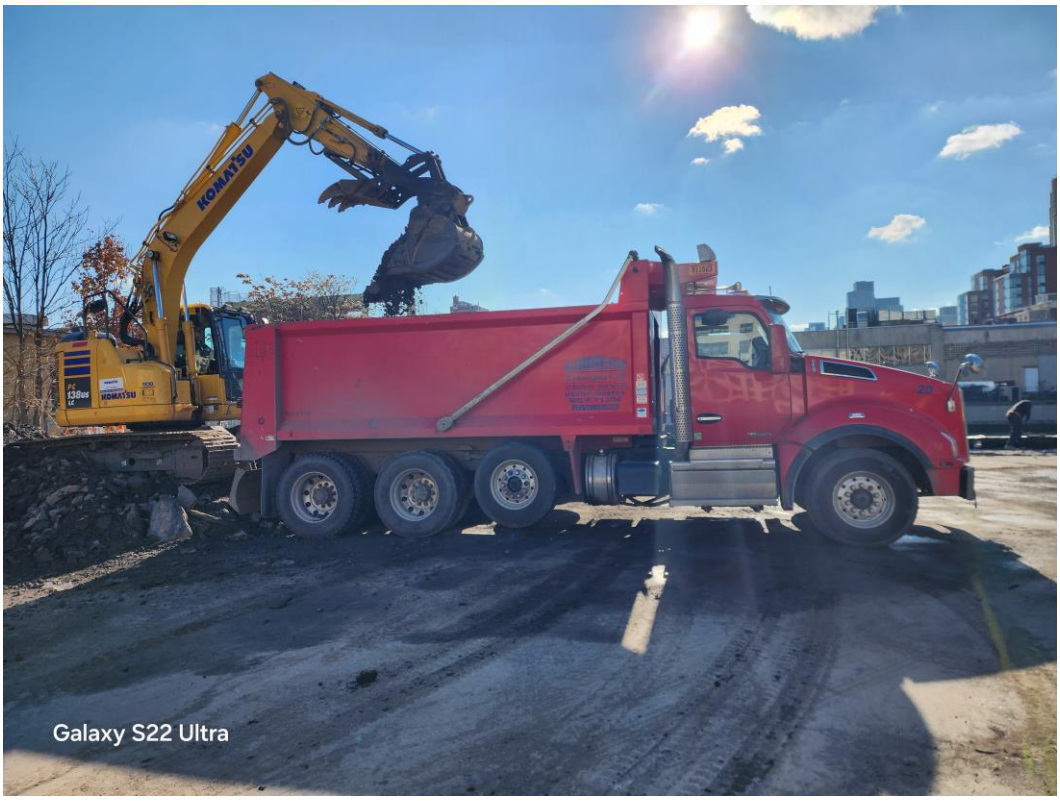


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.02 - Anable Basin Bulkhead Stabilization - Day 156

Photo Log

Photo 1: Trevcon excavating soil/fill in the south-central part of ABC Block 25 (facing southeast).	
Photo 2: Trevcon exporting non-hazardous fill/soil in tri-axle trucks in the eastern part of ABC Block 25 (facing south).	

File Name: 2024.12.02 - Anable Basin Bulkhead Stabilization - Day 156

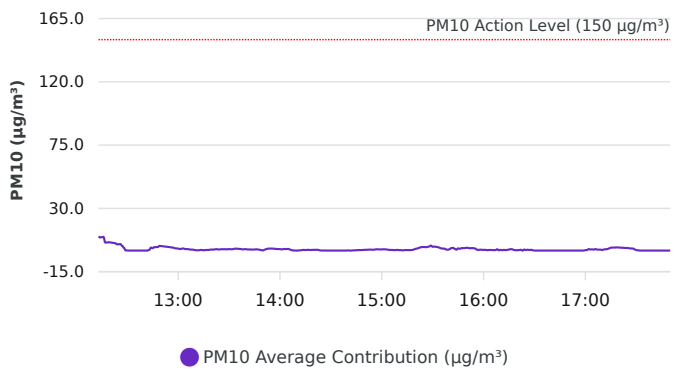
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/2/2024 04:00
		To:	12/2/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/2/2024	0.8-6.6	N

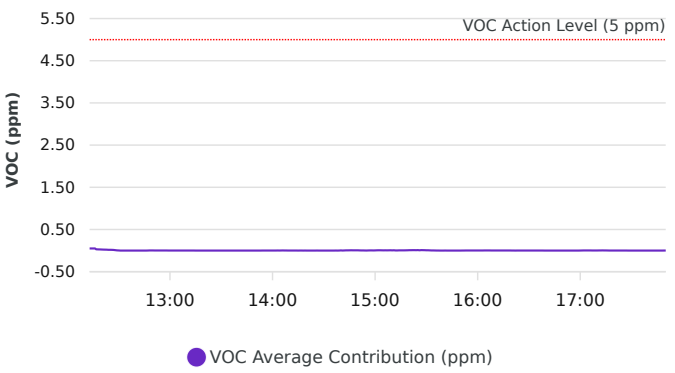
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/2/2024	0.0	12:31	0.00	12:31
Max Contribution (15 min avg.) - 12/2/2024	9.9	12:13	0.05	12:13



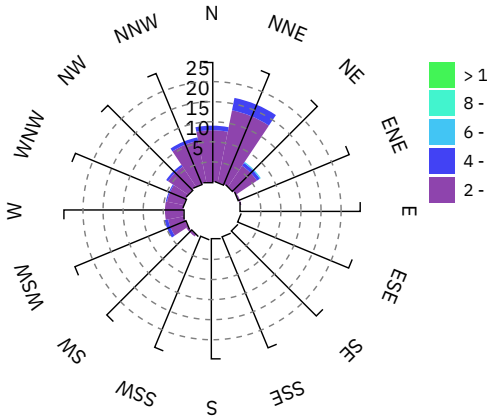
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 12:11:00							2.0	ENE
12/2/2024 12:12:00							0.9	WNW
12/2/2024 12:13:00	4.0	13.9	9.9	0.00	0.05	0.05	0.9	WSW
12/2/2024 12:14:00	3.2	12.5	9.3	0.00	0.05	0.05	1.1	W
12/2/2024 12:15:00	2.4	12.0	9.6	0.00	0.05	0.05	1.1	NNW
12/2/2024 12:16:00	2.1	11.8	9.7	0.00	0.05	0.05	1.2	NNW
12/2/2024 12:17:00	3.9	9.6	5.7	0.01	0.04	0.03	1.1	NE
12/2/2024 12:18:00	3.4	9.1	5.7	0.01	0.04	0.03	1.1	N
12/2/2024 12:19:00	3.0	9.0	5.9	0.01	0.03	0.03	1.1	W
12/2/2024 12:20:00	3.0	8.8	5.8	0.01	0.03	0.03	1.1	WNW
12/2/2024 12:21:00	3.0	8.6	5.6	0.01	0.03	0.02	1.1	W
12/2/2024 12:22:00	2.9	8.3	5.4	0.01	0.03	0.02	1.2	NW
12/2/2024 12:23:00	2.8	8.0	5.2	0.01	0.03	0.02	1.2	WNW
12/2/2024 12:24:00	3.0	7.4	4.4	0.01	0.02	0.02	1.2	NNE
12/2/2024 12:25:00	2.9	7.4	4.5	0.01	0.02	0.02	1.2	WNW
12/2/2024 12:26:00	2.7	7.3	4.6	0.00	0.02	0.02	1.3	N
12/2/2024 12:27:00	3.5	6.8	3.3	0.01	0.02	0.01	1.1	NNE
12/2/2024 12:28:00	3.9	5.9	2.0	0.01	0.02	0.01	1.1	NE
12/2/2024 12:29:00	5.0	5.2	0.1	0.01	0.01	0.01	1.2	N
12/2/2024 12:30:00	5.0	5.1	0.1	0.01	0.01	0.00	1.1	N
12/2/2024 12:31:00	5.4	4.3	0.0	0.01	0.01	0.00	1.1	NNE
12/2/2024 12:32:00	5.0	4.3	0.0	0.01	0.01	0.00	1.2	NE
12/2/2024 12:33:00	5.4	3.8	0.0	0.01	0.01	0.00	1.2	NNE
12/2/2024 12:34:00	5.8	3.3	0.0	0.01	0.01	0.00	1.3	NE
12/2/2024 12:35:00	5.6	3.1	0.0	0.01	0.01	0.00	1.4	NNW
12/2/2024 12:36:00	5.4	3.0	0.0	0.01	0.01	0.00	1.3	WSW
12/2/2024 12:37:00	5.3	2.9	0.0	0.01	0.01	0.00	1.3	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 12:38:00	5.2	2.9	0.0	0.01	0.01	0.00	1.3	W
12/2/2024 12:39:00	4.8	3.2	0.0	0.01	0.01	0.00	1.2	WSW
12/2/2024 12:40:00	4.7	3.1	0.0	0.01	0.00	0.00	1.2	WNW
12/2/2024 12:41:00	4.7	3.0	0.0	0.01	0.00	0.00	1.3	NW
12/2/2024 12:42:00	3.7	3.3	0.0	0.01	0.00	0.00	1.3	W
12/2/2024 12:43:00	3.0	3.5	0.6	0.01	0.00	0.00	1.3	NW
12/2/2024 12:44:00	1.7	3.8	2.1	0.01	0.00	0.00	1.4	N
12/2/2024 12:45:00	1.7	3.5	1.7	0.01	0.00	0.00	1.4	W
12/2/2024 12:46:00	1.3	3.7	2.5	0.00	0.00	0.00	1.5	WSW
12/2/2024 12:47:00	1.3	3.7	2.5	0.00	0.00	0.00	1.5	NNE
12/2/2024 12:48:00	1.2	3.7	2.6	0.00	0.00	0.00	1.5	NNE
12/2/2024 12:49:00	0.7	4.0	3.3	0.00	0.00	0.00	1.6	SW
12/2/2024 12:50:00	0.7	3.9	3.2	0.00	0.00	0.00	1.6	NW
12/2/2024 12:51:00	0.7	3.7	3.0	0.00	0.00	0.00	1.6	W
12/2/2024 12:52:00	0.7	3.6	2.9	0.00	0.00	0.00	1.7	W
12/2/2024 12:53:00	0.7	3.4	2.7	0.00	0.00	0.00	1.8	WSW
12/2/2024 12:54:00	0.7	3.3	2.6	0.00	0.00	0.00	1.7	NW
12/2/2024 12:55:00	0.7	3.1	2.5	0.00	0.00	0.00	1.7	WSW
12/2/2024 12:56:00	0.7	2.9	2.3	0.00	0.00	0.00	1.7	WSW
12/2/2024 12:57:00	0.7	2.8	2.1	0.00	0.00	0.00	1.7	NW
12/2/2024 12:58:00	0.8	2.5	1.7	0.00	0.00	0.00	1.6	NNE
12/2/2024 12:59:00	0.8	2.4	1.5	0.00	0.00	0.00	1.6	NNW
12/2/2024 13:00:00	0.8	2.3	1.4	0.00	0.00	0.00	1.6	WNW
12/2/2024 13:01:00	0.9	2.0	1.1	0.00	0.00	0.00	1.5	NNE
12/2/2024 13:02:00	0.7	2.0	1.3	0.00	0.00	0.00	1.4	NE
12/2/2024 13:03:00	0.5	2.0	1.5	0.00	0.00	0.00	1.3	NE
12/2/2024 13:04:00	0.6	1.7	1.1	0.00	0.00	0.00	1.5	NNE
12/2/2024 13:05:00	0.6	1.7	1.0	0.00	0.00	0.00	1.5	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 13:06:00	0.6	1.6	1.0	0.00	0.00	0.00	1.6	N
12/2/2024 13:07:00	0.8	1.5	0.7	0.00	0.00	0.00	1.8	NNE
12/2/2024 13:08:00	0.8	1.4	0.7	0.00	0.00	0.00	2.1	N
12/2/2024 13:09:00	0.8	1.4	0.6	0.00	0.00	0.00	2.2	N
12/2/2024 13:10:00	0.9	1.2	0.3	0.00	0.00	0.00	2.5	NNE
12/2/2024 13:11:00	0.9	1.1	0.2	0.00	0.00	0.00	2.7	N
12/2/2024 13:12:00	0.9	1.1	0.2	0.00	0.00	0.00	2.5	WSW
12/2/2024 13:13:00	0.7	1.2	0.4	0.00	0.00	0.00	2.1	SW
12/2/2024 13:14:00	0.7	1.1	0.4	0.00	0.00	0.00	2.2	NNW
12/2/2024 13:15:00	0.8	1.0	0.2	0.00	0.00	0.00	2.4	NNE
12/2/2024 13:16:00	0.7	1.1	0.4	0.00	0.00	0.00	2.3	N
12/2/2024 13:17:00	0.7	1.1	0.4	0.00	0.00	0.00	2.3	NNE
12/2/2024 13:18:00	0.6	1.1	0.5	0.00	0.00	0.00	2.4	NNE
12/2/2024 13:19:00	0.5	1.2	0.7	0.00	0.00	0.00	2.3	N
12/2/2024 13:20:00	0.5	1.2	0.7	0.00	0.00	0.00	2.1	WSW
12/2/2024 13:21:00	0.5	1.2	0.7	0.00	0.00	0.00	1.8	SW
12/2/2024 13:22:00	0.4	1.3	0.9	0.00	0.00	0.00	1.6	WNW
12/2/2024 13:23:00	0.4	1.3	1.0	0.00	0.00	0.00	1.5	NW
12/2/2024 13:24:00	0.5	1.2	0.7	0.00	0.00	0.00	1.5	NNE
12/2/2024 13:25:00	0.4	1.3	0.9	0.00	0.00	0.00	1.5	N
12/2/2024 13:26:00	0.4	1.3	0.9	0.00	0.00	0.00	1.4	WSW
12/2/2024 13:27:00	0.4	1.3	0.9	0.00	0.00	0.00	1.4	WSW
12/2/2024 13:28:00	0.4	1.3	0.9	0.00	0.00	0.00	1.5	W
12/2/2024 13:29:00	0.4	1.3	0.9	0.00	0.00	0.00	1.4	N
12/2/2024 13:30:00	0.3	1.4	1.1	0.00	0.00	0.00	1.4	NW
12/2/2024 13:31:00	0.4	1.3	0.9	0.00	0.00	0.00	1.3	NE
12/2/2024 13:32:00	0.4	1.3	0.9	0.00	0.00	0.00	1.3	NE
12/2/2024 13:33:00	0.3	1.5	1.2	0.00	0.00	0.00	1.3	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 13:34:00	0.3	1.7	1.4	0.00	0.00	0.00	1.3	NNW
12/2/2024 13:35:00	0.3	1.5	1.3	0.00	0.00	0.00	1.3	WSW
12/2/2024 13:36:00	0.3	1.5	1.2	0.00	0.00	0.00	1.4	WSW
12/2/2024 13:37:00	0.3	1.4	1.1	0.00	0.00	0.00	1.4	NNW
12/2/2024 13:38:00	0.4	1.2	0.8	0.00	0.00	0.00	1.3	NE
12/2/2024 13:39:00	0.3	1.3	1.0	0.00	0.00	0.00	1.3	N
12/2/2024 13:40:00	0.3	1.3	1.0	0.00	0.00	0.00	1.3	NNW
12/2/2024 13:41:00	0.4	1.2	0.8	0.00	0.00	0.00	1.5	NNE
12/2/2024 13:42:00	0.4	1.2	0.8	0.00	0.00	0.00	1.7	NNW
12/2/2024 13:43:00	0.4	1.1	0.8	0.00	0.00	0.00	1.8	NNW
12/2/2024 13:44:00	0.4	1.1	0.7	0.00	0.00	0.00	1.8	WNW
12/2/2024 13:45:00	0.4	1.1	0.7	0.00	0.00	0.00	1.7	WSW
12/2/2024 13:46:00	0.3	1.2	0.9	0.00	0.00	0.00	1.9	NNW
12/2/2024 13:47:00	0.5	1.2	0.8	0.00	0.00	0.00	2.0	NNE
12/2/2024 13:48:00	0.5	1.1	0.6	0.00	0.00	0.00	2.0	N
12/2/2024 13:49:00	0.6	0.8	0.3	0.00	0.00	0.00	1.8	NE
12/2/2024 13:50:00	0.6	0.7	0.1	0.00	0.00	0.00	2.0	NNE
12/2/2024 13:51:00	0.6	1.3	0.7	0.00	0.00	0.00	2.1	WNW
12/2/2024 13:52:00	0.6	1.6	1.1	0.00	0.00	0.00	2.2	N
12/2/2024 13:53:00	0.4	1.8	1.4	0.00	0.00	0.00	2.3	N
12/2/2024 13:54:00	0.4	1.8	1.4	0.00	0.00	0.00	2.4	NNW
12/2/2024 13:55:00	0.4	1.8	1.4	0.00	0.00	0.00	2.3	NW
12/2/2024 13:56:00	0.5	1.8	1.4	0.00	0.00	0.00	2.3	NNE
12/2/2024 13:57:00	0.5	1.7	1.2	0.00	0.00	0.00	2.3	NNE
12/2/2024 13:58:00	0.6	1.7	1.1	0.00	0.00	0.00	2.3	NNE
12/2/2024 13:59:00	0.6	1.6	1.1	0.00	0.00	0.00	2.4	NNE
12/2/2024 14:00:00	0.6	1.6	1.1	0.00	0.00	0.00	2.6	N
12/2/2024 14:01:00	0.7	1.5	0.8	0.00	0.00	0.00	2.5	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 14:02:00	0.5	1.6	1.1	0.00	0.00	0.00	2.6	N
12/2/2024 14:03:00	0.5	1.5	1.1	0.00	0.00	0.00	2.6	NW
12/2/2024 14:04:00	0.4	1.5	1.1	0.00	0.00	0.00	2.6	NE
12/2/2024 14:05:00	0.4	1.6	1.2	0.00	0.00	0.00	2.5	NNW
12/2/2024 14:06:00	0.4	1.1	0.7	0.00	0.00	0.00	2.5	N
12/2/2024 14:07:00	0.4	0.6	0.2	0.00	0.00	0.00	2.4	N
12/2/2024 14:08:00	0.4	0.5	0.1	0.00	0.00	0.00	2.3	N
12/2/2024 14:09:00	0.4	0.5	0.0	0.00	0.00	0.00	2.3	NNW
12/2/2024 14:10:00	0.4	0.4	0.0	0.00	0.00	0.00	2.2	NW
12/2/2024 14:11:00	0.3	0.4	0.1	0.00	0.00	0.00	2.1	N
12/2/2024 14:12:00	0.3	0.5	0.2	0.00	0.00	0.00	2.0	NNW
12/2/2024 14:13:00	0.2	0.6	0.3	0.00	0.00	0.00	1.8	W
12/2/2024 14:14:00	0.2	0.7	0.5	0.00	0.00	0.00	1.8	N
12/2/2024 14:15:00	0.3	0.6	0.3	0.00	0.00	0.00	1.7	NNE
12/2/2024 14:16:00	0.2	0.7	0.5	0.00	0.00	0.00	1.7	NNW
12/2/2024 14:17:00	0.2	0.7	0.5	0.00	0.00	0.00	1.7	WNW
12/2/2024 14:18:00	0.3	0.6	0.4	0.00	0.00	0.00	1.5	NNE
12/2/2024 14:19:00	0.2	0.7	0.5	0.00	0.00	0.00	1.5	WNW
12/2/2024 14:20:00	0.2	0.7	0.5	0.00	0.00	0.00	1.6	NNW
12/2/2024 14:21:00	0.2	0.7	0.5	0.00	0.00	0.00	1.6	W
12/2/2024 14:22:00	0.2	0.8	0.6	0.00	0.00	0.00	1.7	WNW
12/2/2024 14:23:00	0.5	0.7	0.3	0.00	0.00	0.00	1.7	NNE
12/2/2024 14:24:00	0.6	0.7	0.1	0.00	0.00	0.00	1.7	NE
12/2/2024 14:25:00	0.7	0.7	0.0	0.00	0.00	0.00	1.7	NNE
12/2/2024 14:26:00	0.7	0.7	0.1	0.00	0.00	0.00	1.7	N
12/2/2024 14:27:00	0.8	0.7	0.0	0.00	0.00	0.00	1.7	NE
12/2/2024 14:28:00	0.8	0.6	0.0	0.01	0.00	0.00	1.9	NNE
12/2/2024 14:29:00	0.8	0.5	0.0	0.01	0.00	0.00	1.9	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 14:30:00	0.8	0.5	0.0	0.01	0.00	0.00	1.8	NE
12/2/2024 14:31:00	0.8	0.4	0.0	0.01	0.00	0.00	1.9	NNE
12/2/2024 14:32:00	0.8	0.4	0.0	0.01	0.00	0.00	2.0	N
12/2/2024 14:33:00	0.8	0.5	0.0	0.01	0.00	0.00	2.1	NNW
12/2/2024 14:34:00	0.8	0.5	0.0	0.01	0.00	0.00	2.1	NNW
12/2/2024 14:35:00	0.9	0.5	0.0	0.01	0.00	0.00	2.1	NNE
12/2/2024 14:36:00	0.9	0.5	0.0	0.01	0.01	0.00	2.2	NNW
12/2/2024 14:37:00	0.9	0.4	0.0	0.01	0.01	0.00	2.3	N
12/2/2024 14:38:00	0.7	0.4	0.0	0.01	0.01	0.00	2.3	NNE
12/2/2024 14:39:00	0.5	0.5	0.0	0.01	0.01	0.00	2.3	N
12/2/2024 14:40:00	0.5	0.6	0.1	0.01	0.01	0.00	2.3	N
12/2/2024 14:41:00	0.5	0.5	0.0	0.01	0.01	0.00	2.4	NNE
12/2/2024 14:42:00	0.5	0.5	0.0	0.01	0.01	0.00	2.3	NNE
12/2/2024 14:43:00	0.4	0.6	0.1	0.01	0.01	0.01	2.1	WNW
12/2/2024 14:44:00	0.4	0.6	0.1	0.01	0.01	0.01	2.1	WNW
12/2/2024 14:45:00	0.4	0.6	0.2	0.01	0.01	0.01	2.2	NW
12/2/2024 14:46:00	0.3	0.6	0.3	0.00	0.01	0.01	2.1	W
12/2/2024 14:47:00	0.3	0.6	0.3	0.00	0.01	0.01	2.1	NW
12/2/2024 14:48:00	0.3	0.7	0.3	0.00	0.01	0.01	2.0	NW
12/2/2024 14:49:00	0.3	0.7	0.4	0.00	0.01	0.01	1.9	W
12/2/2024 14:50:00	0.2	0.8	0.6	0.00	0.01	0.01	2.0	WSW
12/2/2024 14:51:00	0.2	0.8	0.6	0.00	0.01	0.00	2.0	W
12/2/2024 14:52:00	0.2	0.8	0.6	0.00	0.01	0.00	2.0	W
12/2/2024 14:53:00	0.1	0.9	0.8	0.00	0.01	0.00	2.1	WSW
12/2/2024 14:54:00	0.2	0.8	0.6	0.00	0.00	0.00	2.1	NNE
12/2/2024 14:55:00	0.2	0.8	0.6	0.00	0.00	0.00	2.1	N
12/2/2024 14:56:00	0.2	0.9	0.8	0.00	0.00	0.00	2.1	NNW
12/2/2024 14:57:00	0.1	1.0	0.9	0.00	0.00	0.00	2.1	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 14:58:00	0.1	1.0	0.9	0.00	0.00	0.00	2.0	NNW
12/2/2024 14:59:00	0.2	0.9	0.8	0.00	0.00	0.00	1.9	NNE
12/2/2024 15:00:00	0.2	1.0	0.9	0.00	0.01	0.00	1.8	NW
12/2/2024 15:01:00	0.2	1.1	0.9	0.00	0.01	0.01	1.7	N
12/2/2024 15:02:00	0.2	1.1	0.9	0.00	0.01	0.01	1.6	N
12/2/2024 15:03:00	0.2	1.0	0.8	0.00	0.01	0.01	1.5	NE
12/2/2024 15:04:00	0.3	0.8	0.6	0.00	0.01	0.01	1.5	NE
12/2/2024 15:05:00	0.4	0.8	0.4	0.00	0.01	0.01	1.6	NNE
12/2/2024 15:06:00	0.4	0.8	0.5	0.00	0.01	0.01	1.6	NW
12/2/2024 15:07:00	0.5	0.8	0.3	0.00	0.01	0.01	1.5	SE
12/2/2024 15:08:00	0.5	0.8	0.3	0.00	0.01	0.01	1.7	NNW
12/2/2024 15:09:00	0.4	0.9	0.5	0.00	0.01	0.01	1.7	N
12/2/2024 15:10:00	0.5	0.8	0.3	0.01	0.01	0.01	1.6	NNE
12/2/2024 15:11:00	0.5	0.8	0.3	0.01	0.01	0.01	1.7	N
12/2/2024 15:12:00	0.5	0.7	0.2	0.01	0.01	0.00	1.7	NNE
12/2/2024 15:13:00	0.5	0.7	0.2	0.01	0.01	0.00	1.7	N
12/2/2024 15:14:00	0.5	0.9	0.4	0.01	0.01	0.01	1.7	N
12/2/2024 15:15:00	0.5	0.8	0.3	0.01	0.01	0.01	1.8	NNW
12/2/2024 15:16:00	0.5	0.8	0.3	0.01	0.01	0.01	1.9	NNW
12/2/2024 15:17:00	0.5	0.8	0.3	0.01	0.01	0.01	1.7	WSW
12/2/2024 15:18:00	0.4	0.8	0.4	0.01	0.01	0.01	1.6	W
12/2/2024 15:19:00	0.3	1.1	0.8	0.01	0.01	0.01	1.8	NNW
12/2/2024 15:20:00	0.2	1.5	1.3	0.01	0.01	0.01	1.8	NW
12/2/2024 15:21:00	0.2	1.7	1.5	0.01	0.01	0.01	1.8	NNW
12/2/2024 15:22:00	0.2	2.1	2.0	0.01	0.01	0.01	2.2	NNW
12/2/2024 15:23:00	0.2	2.5	2.4	0.01	0.01	0.01	2.3	NNW
12/2/2024 15:24:00	0.2	2.7	2.5	0.01	0.01	0.01	2.3	WNW
12/2/2024 15:25:00	0.1	2.7	2.5	0.00	0.01	0.01	2.3	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 15:26:00	0.2	2.6	2.4	0.00	0.01	0.01	2.3	NNE
12/2/2024 15:27:00	0.1	2.8	2.6	0.00	0.01	0.01	2.4	NNW
12/2/2024 15:28:00	0.1	3.1	2.9	0.00	0.01	0.01	2.4	NNW
12/2/2024 15:29:00	0.1	3.7	3.5	0.00	0.01	0.01	2.3	NW
12/2/2024 15:30:00	0.9	3.6	2.7	0.00	0.01	0.01	2.2	NNE
12/2/2024 15:31:00	0.9	3.7	2.9	0.00	0.01	0.01	2.2	N
12/2/2024 15:32:00	1.1	3.7	2.6	0.00	0.01	0.01	2.3	NNE
12/2/2024 15:33:00	1.2	3.6	2.5	0.00	0.01	0.00	2.3	NNE
12/2/2024 15:34:00	1.3	3.3	2.0	0.00	0.01	0.00	2.1	NE
12/2/2024 15:35:00	1.4	3.0	1.6	0.00	0.01	0.00	2.2	NNE
12/2/2024 15:36:00	1.4	2.8	1.4	0.00	0.01	0.00	2.4	N
12/2/2024 15:37:00	1.4	2.8	1.4	0.00	0.00	0.00	2.2	NNW
12/2/2024 15:38:00	1.5	2.3	0.7	0.00	0.00	0.00	2.2	NNE
12/2/2024 15:39:00	1.5	2.2	0.6	0.00	0.00	0.00	2.2	NNW
12/2/2024 15:40:00	1.5	2.4	1.0	0.00	0.00	0.00	2.3	NNW
12/2/2024 15:41:00	1.4	3.2	1.8	0.00	0.00	0.00	2.4	NNW
12/2/2024 15:42:00	1.4	3.3	1.9	0.00	0.00	0.00	2.4	N
12/2/2024 15:43:00	1.7	2.9	1.2	0.00	0.00	0.00	2.4	N
12/2/2024 15:44:00	1.7	2.3	0.7	0.00	0.00	0.00	2.5	N
12/2/2024 15:45:00	0.9	2.5	1.5	0.00	0.00	0.00	2.4	NW
12/2/2024 15:46:00	1.0	2.3	1.3	0.00	0.00	0.00	2.4	NNE
12/2/2024 15:47:00	0.9	2.6	1.7	0.00	0.00	0.00	2.4	N
12/2/2024 15:48:00	0.8	2.6	1.7	0.00	0.00	0.00	2.4	NNE
12/2/2024 15:49:00	0.8	2.6	1.8	0.00	0.00	0.00	2.5	NNE
12/2/2024 15:50:00	0.7	2.7	2.0	0.00	0.00	0.00	2.3	WSW
12/2/2024 15:51:00	0.7	2.6	1.9	0.00	0.00	0.00	2.0	W
12/2/2024 15:52:00	0.7	2.3	1.6	0.00	0.00	0.00	2.1	NW
12/2/2024 15:53:00	0.6	2.4	1.8	0.00	0.00	0.00	2.2	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 15:54:00	0.6	2.3	1.7	0.00	0.00	0.00	2.3	NNW
12/2/2024 15:55:00	0.6	2.1	1.5	0.00	0.00	0.00	2.3	NW
12/2/2024 15:56:00	0.6	1.3	0.7	0.00	0.00	0.00	2.2	N
12/2/2024 15:57:00	0.6	1.0	0.4	0.00	0.00	0.00	2.2	NNE
12/2/2024 15:58:00	0.3	1.0	0.7	0.00	0.00	0.00	2.2	NNE
12/2/2024 15:59:00	0.3	0.9	0.6	0.00	0.00	0.00	2.2	WNW
12/2/2024 16:00:00	0.3	0.8	0.4	0.00	0.00	0.00	2.2	NW
12/2/2024 16:01:00	0.3	0.8	0.6	0.00	0.00	0.00	2.1	WSW
12/2/2024 16:02:00	0.3	0.5	0.3	0.00	0.00	0.00	2.1	WNW
12/2/2024 16:03:00	0.1	0.5	0.4	0.00	0.00	0.00	2.2	WNW
12/2/2024 16:04:00	0.1	0.5	0.5	0.00	0.00	0.00	2.2	NE
12/2/2024 16:05:00	0.1	0.4	0.3	0.00	0.00	0.00	2.2	N
12/2/2024 16:06:00	0.1	0.4	0.3	0.00	0.00	0.00	2.2	N
12/2/2024 16:07:00	0.1	0.4	0.3	0.00	0.00	0.00	2.3	NW
12/2/2024 16:08:00	0.1	1.0	0.9	0.00	0.00	0.00	2.3	NW
12/2/2024 16:09:00	0.7	0.9	0.2	0.00	0.00	0.00	2.2	NNE
12/2/2024 16:10:00	0.7	1.3	0.5	0.00	0.00	0.00	2.1	NW
12/2/2024 16:11:00	1.0	1.2	0.2	0.00	0.00	0.00	2.2	NNE
12/2/2024 16:12:00	1.0	1.5	0.5	0.00	0.00	0.00	2.2	N
12/2/2024 16:13:00	1.2	1.5	0.3	0.00	0.00	0.00	2.2	NE
12/2/2024 16:14:00	1.2	1.7	0.5	0.00	0.00	0.00	2.3	NW
12/2/2024 16:15:00	1.2	1.9	0.7	0.00	0.00	0.00	2.4	NNW
12/2/2024 16:16:00	1.2	2.2	1.0	0.00	0.00	0.00	2.6	N
12/2/2024 16:17:00	1.5	2.4	0.9	0.00	0.00	0.00	2.7	NNE
12/2/2024 16:18:00	2.1	2.5	0.4	0.00	0.00	0.00	2.8	NNE
12/2/2024 16:19:00	2.5	2.7	0.2	0.00	0.00	0.00	2.9	NNE
12/2/2024 16:20:00	2.6	2.9	0.3	0.00	0.00	0.00	2.9	N
12/2/2024 16:21:00	2.8	3.2	0.4	0.00	0.00	0.00	3.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 16:22:00	3.0	3.6	0.6	0.00	0.00	0.00	2.9	NW
12/2/2024 16:23:00	3.2	3.2	0.0	0.00	0.00	0.00	2.8	WNW
12/2/2024 16:24:00	2.7	3.5	0.7	0.00	0.00	0.00	2.8	NW
12/2/2024 16:25:00	3.0	3.4	0.3	0.00	0.00	0.00	3.0	NE
12/2/2024 16:26:00	3.0	3.6	0.6	0.00	0.00	0.00	3.0	NE
12/2/2024 16:27:00	3.2	3.5	0.3	0.00	0.00	0.00	3.0	NNE
12/2/2024 16:28:00	3.1	3.7	0.5	0.00	0.00	0.00	3.0	NNE
12/2/2024 16:29:00	3.4	3.6	0.2	0.00	0.00	0.00	3.0	NE
12/2/2024 16:30:00	3.6	3.5	0.0	0.00	0.00	0.00	3.1	NNE
12/2/2024 16:31:00	4.0	3.4	0.0	0.00	0.00	0.00	3.1	NNE
12/2/2024 16:32:00	3.9	3.4	0.0	0.00	0.00	0.00	3.1	NNE
12/2/2024 16:33:00	3.5	3.5	0.0	0.00	0.00	0.00	3.1	N
12/2/2024 16:34:00	3.5	3.5	0.0	0.00	0.00	0.00	3.1	N
12/2/2024 16:35:00	3.5	3.4	0.0	0.00	0.00	0.00	3.1	NNE
12/2/2024 16:36:00	3.5	3.3	0.0	0.00	0.00	0.00	3.1	NNE
12/2/2024 16:37:00	3.6	3.0	0.0	0.00	0.00	0.00	3.3	NNE
12/2/2024 16:38:00	3.6	2.9	0.0	0.00	0.00	0.00	3.4	NNE
12/2/2024 16:39:00	3.6	2.9	0.0	0.00	0.00	0.00	3.6	N
12/2/2024 16:40:00	3.5	2.8	0.0	0.00	0.00	0.00	3.5	NNE
12/2/2024 16:41:00	3.5	2.7	0.0	0.00	0.00	0.00	3.5	NNE
12/2/2024 16:42:00	3.5	2.7	0.0	0.00	0.00	0.00	3.6	NNE
12/2/2024 16:43:00	3.6	2.8	0.0	0.00	0.00	0.00	3.7	NE
12/2/2024 16:44:00	3.7	2.8	0.0	0.00	0.00	0.00	3.6	NNE
12/2/2024 16:45:00	4.0	2.8	0.0	0.00	0.00	0.00	3.5	N
12/2/2024 16:46:00	3.8	2.8	0.0	0.00	0.00	0.00	3.7	NNE
12/2/2024 16:47:00	4.3	2.8	0.0	0.00	0.00	0.00	3.8	NNE
12/2/2024 16:48:00	4.2	2.9	0.0	0.00	0.00	0.00	3.6	N
12/2/2024 16:49:00	4.3	2.9	0.0	0.00	0.00	0.00	3.6	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 16:50:00	4.2	3.2	0.0	0.00	0.00	0.00	3.4	NW
12/2/2024 16:51:00	4.4	3.2	0.0	0.00	0.00	0.00	3.4	NNE
12/2/2024 16:52:00	4.3	3.5	0.0	0.00	0.00	0.00	3.2	N
12/2/2024 16:53:00	4.3	3.7	0.0	0.00	0.00	0.00	3.0	NW
12/2/2024 16:54:00	4.3	3.7	0.0	0.00	0.00	0.00	2.7	W
12/2/2024 16:55:00	4.3	3.9	0.0	0.00	0.00	0.00	2.5	NNW
12/2/2024 16:56:00	4.3	4.0	0.0	0.00	0.00	0.00	2.5	NNE
12/2/2024 16:57:00	4.3	4.0	0.0	0.00	0.00	0.00	2.4	NNE
12/2/2024 16:58:00	4.3	4.0	0.0	0.00	0.00	0.00	2.3	NNW
12/2/2024 16:59:00	4.2	4.1	0.0	0.00	0.00	0.00	2.3	NW
12/2/2024 17:00:00	3.9	4.2	0.3	0.00	0.00	0.00	2.2	WNW
12/2/2024 17:01:00	3.9	4.3	0.4	0.00	0.00	0.00	1.9	W
12/2/2024 17:02:00	3.3	4.3	1.0	0.00	0.00	0.00	1.8	NW
12/2/2024 17:03:00	3.4	4.2	0.8	0.00	0.00	0.00	1.8	NNE
12/2/2024 17:04:00	3.3	4.2	0.9	0.00	0.00	0.00	1.9	NNE
12/2/2024 17:05:00	3.3	4.0	0.7	0.00	0.00	0.00	2.0	NNW
12/2/2024 17:06:00	3.1	4.2	1.1	0.00	0.00	0.00	2.1	N
12/2/2024 17:07:00	3.2	3.9	0.7	0.00	0.00	0.00	2.1	NNE
12/2/2024 17:08:00	3.2	3.9	0.7	0.00	0.00	0.00	2.2	NW
12/2/2024 17:09:00	3.2	3.9	0.6	0.00	0.00	0.00	2.4	N
12/2/2024 17:10:00	3.3	3.7	0.4	0.00	0.00	0.00	2.3	NNE
12/2/2024 17:11:00	3.2	4.0	0.8	0.00	0.00	0.00	2.3	N
12/2/2024 17:12:00	3.2	4.1	0.9	0.00	0.00	0.00	2.2	WSW
12/2/2024 17:13:00	3.1	4.2	1.1	0.00	0.00	0.00	2.2	NW
12/2/2024 17:14:00	3.1	4.7	1.6	0.00	0.00	0.00	2.2	NW
12/2/2024 17:15:00	3.1	5.1	2.0	0.00	0.00	0.00	2.3	WNW
12/2/2024 17:16:00	3.1	5.2	2.1	0.00	0.00	0.00	2.3	NNW
12/2/2024 17:17:00	3.1	5.2	2.1	0.00	0.00	0.00	2.4	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 17:18:00	3.1	5.3	2.2	0.00	0.00	0.00	2.5	N
12/2/2024 17:19:00	3.0	5.3	2.3	0.00	0.00	0.00	2.5	NNE
12/2/2024 17:20:00	3.0	5.2	2.2	0.00	0.00	0.00	2.5	NNW
12/2/2024 17:21:00	3.0	5.0	2.0	0.00	0.00	0.00	2.5	NW
12/2/2024 17:22:00	3.0	5.0	2.0	0.00	0.00	0.00	2.4	NNE
12/2/2024 17:23:00	2.9	4.8	1.9	0.00	0.00	0.00	2.4	NW
12/2/2024 17:24:00	3.0	4.8	1.8	0.00	0.00	0.00	2.4	NNE
12/2/2024 17:25:00	3.0	4.8	1.9	0.00	0.00	0.00	2.4	NE
12/2/2024 17:26:00	3.0	4.6	1.6	0.00	0.00	0.00	2.3	NNE
12/2/2024 17:27:00	3.0	4.5	1.5	0.00	0.00	0.00	2.5	N
12/2/2024 17:28:00	3.0	4.4	1.4	0.00	0.00	0.00	2.5	N
12/2/2024 17:29:00	3.1	4.0	0.9	0.00	0.00	0.00	2.5	NNE
12/2/2024 17:30:00	3.1	3.4	0.4	0.00	0.00	0.00	2.6	N
12/2/2024 17:31:00	3.1	3.3	0.1	0.00	0.00	0.00	2.6	N
12/2/2024 17:32:00	3.2	3.2	0.0	0.00	0.00	0.00	2.6	N
12/2/2024 17:33:00	3.2	3.1	0.0	0.00	0.00	0.00	2.5	NNE
12/2/2024 17:34:00	3.2	3.1	0.0	0.00	0.00	0.00	2.3	NNE
12/2/2024 17:35:00	3.3	3.0	0.0	0.00	0.00	0.00	2.2	NNE
12/2/2024 17:36:00	3.3	3.0	0.0	0.00	0.00	0.00	2.1	NNE
12/2/2024 17:37:00	3.3	3.0	0.0	0.00	0.00	0.00	2.0	NNW
12/2/2024 17:38:00	3.3	3.0	0.0	0.00	0.00	0.00	2.0	NNE
12/2/2024 17:39:00	3.3	3.0	0.0	0.00	0.00	0.00	1.9	NNE
12/2/2024 17:40:00	3.4	2.9	0.0	0.00	0.00	0.00	1.9	NE
12/2/2024 17:41:00	3.4	2.8	0.0	0.00	0.00	0.00	1.9	NE
12/2/2024 17:42:00	3.5	2.8	0.0	0.00	0.00	0.00	1.9	NE
12/2/2024 17:43:00	3.5	2.8	0.0	0.00	0.00	0.00	1.8	NNW
12/2/2024 17:44:00	3.5	2.8	0.0	0.00	0.00	0.00	1.7	NNE
12/2/2024 17:45:00	3.5	3.1	0.0	0.00	0.00	0.00	1.7	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/2/2024 17:46:00	3.6	3.2	0.0	0.00	0.00	0.00	1.7	N
12/2/2024 17:47:00	3.6	3.3	0.0	0.00	0.00	0.00	1.7	NNW
12/2/2024 17:48:00	3.6	3.4	0.0	0.00	0.00	0.00	1.8	NNE
12/2/2024 17:49:00	3.6	3.4	0.0	0.00	0.00	0.00	1.7	NE
12/2/2024 17:50:00	3.6	3.4	0.0	0.00	0.00	0.00	1.7	E
12/2/2024 17:51:00							1.8	NE
12/2/2024 17:52:00							1.9	NE
12/2/2024 17:53:00							2.0	NE
12/2/2024 17:54:00							2.0	NE
12/2/2024 17:55:00							2.0	NE
12/2/2024 17:56:00							2.1	NNE
12/2/2024 17:57:00							2.1	NNE
12/2/2024 17:58:00							2.3	NE
12/2/2024 17:59:00							2.4	NE

DAILY FIELD REPORT 157

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 3, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	12:00 pm to 7:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon imported one load of 3- to 5-inch rip rap stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon imported one load of No. 57 stone from Tilcon, Mt Hope Quarry of Wharton, NJ to the site. See material tracking section for further details.
- Trevcon imported one load of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ. See material tracking section for further details.
- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon excavated an about 15-foot-long by 15-foot-wide area to about 10 feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odor and a maximum PID reading of 19.4 parts per million (ppm) were observed. A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the south-central part of Block 25 to prepare for 3- to 5-inch rip rap backfill.

- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 3- to 5-inch rip rap on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 2- to 3-foot jetty stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon imported one load of 3- to 5-inch rip rap stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon imported one load of No. 57 stone from Tilcon, Mt Hope Quarry of Wharton, NJ to the site.
- Trevcon imported one load of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ.
- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cells [WC-Structure 4 [0-10 feet bgs] to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	1	**76**
	Quantity (CY)	20	**1500**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	1	**7**
		Quantity (CY)	20	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	1	**31**
		Quantity (CY)	20	**610**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	2	**34**
		Quantity (CY)	40	**720**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	1	**9**
		Quantity (CY)	20	**180**

Samples Collected:

- No samples were taken today.

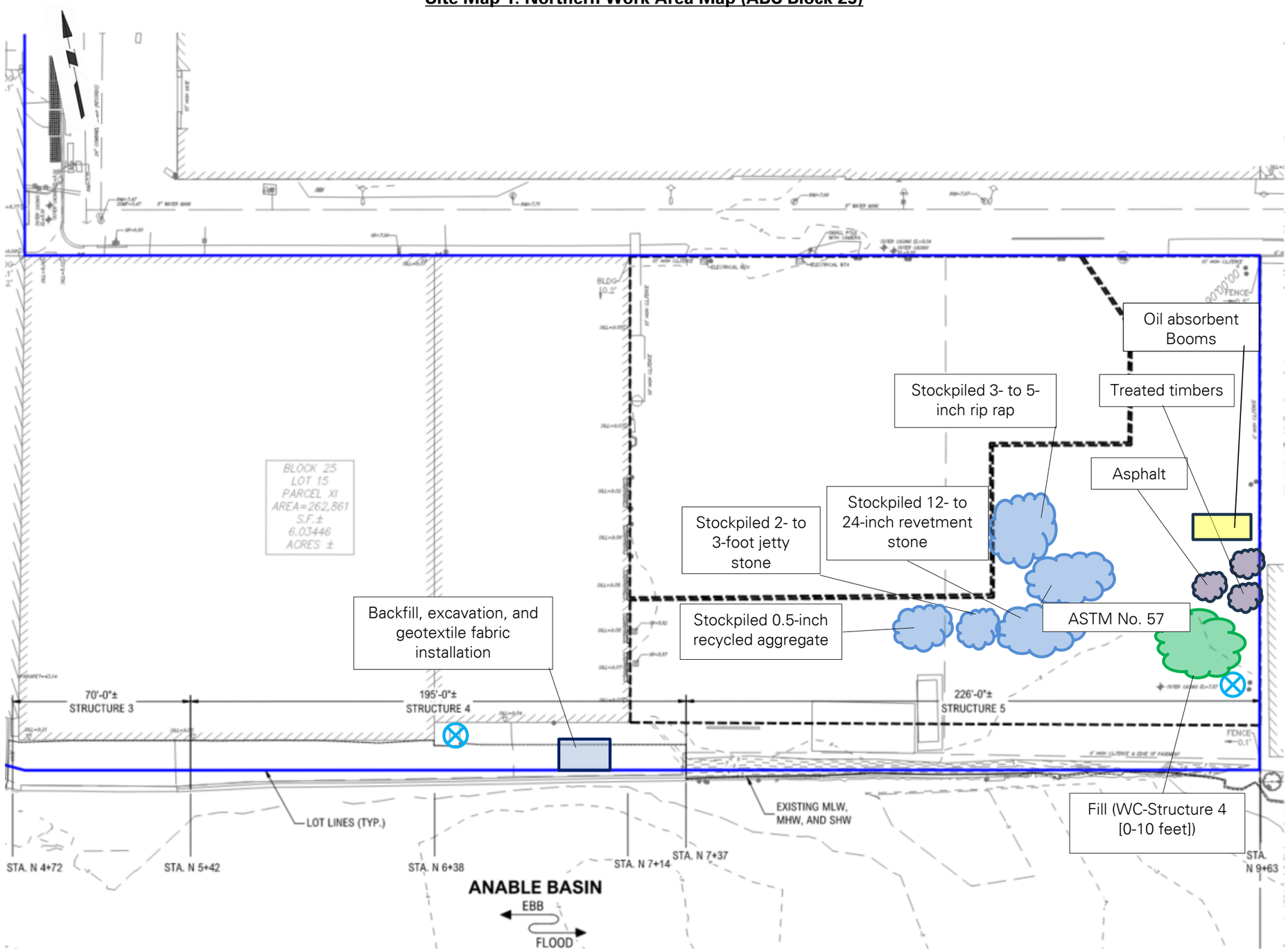
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

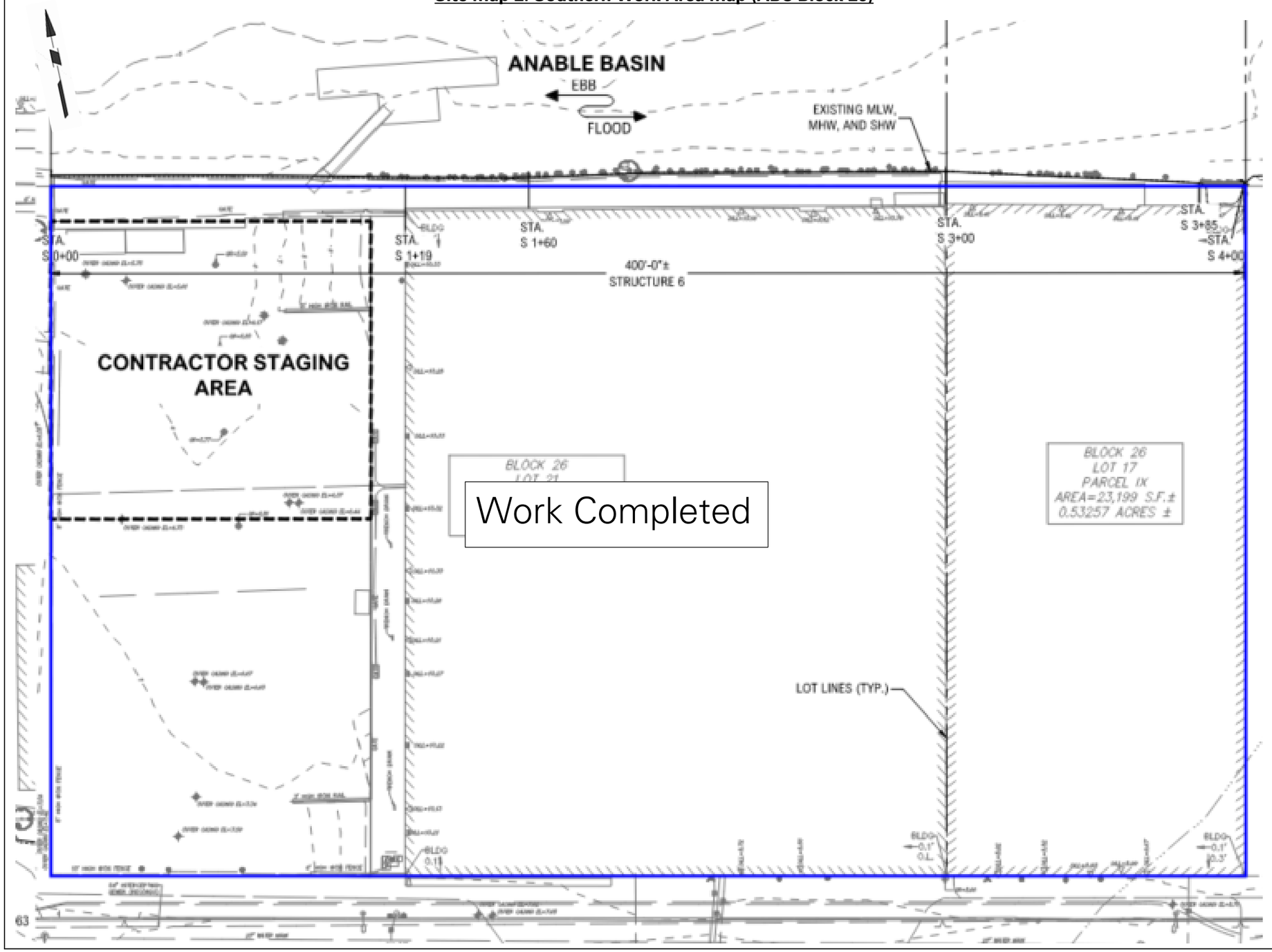


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.03 - Anable Basin Bulkhead Stabilization - Day 157

Site Map 2: Southern Work Area Map (ABC Block 26)



LEGEND

- Approximate Site Boundary
- General Area of Work

File Name: 2024.12.03 - Anable Basin Bulkhead Stabilization - Day 157

Poto Log

Photo 1: Trevcon excavating soil/fill in the south-central part of ABC Block 25 (facing southwest).	
Photo 2: Trevcon exporting non-hazardous fill/soil in tri-axle trucks in the eastern part of ABC Block 25 (facing southeast).	

File Name: 2024.12.03 - Anable Basin Bulkhead Stabilization - Day 157

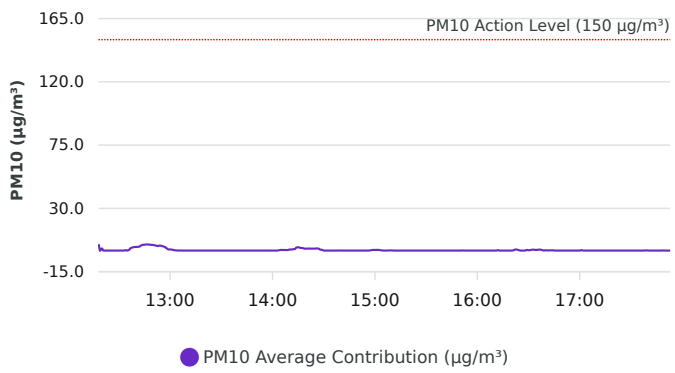
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/3/2024 04:00
		To:	12/3/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/3/2024	0.5-5.4	NNW

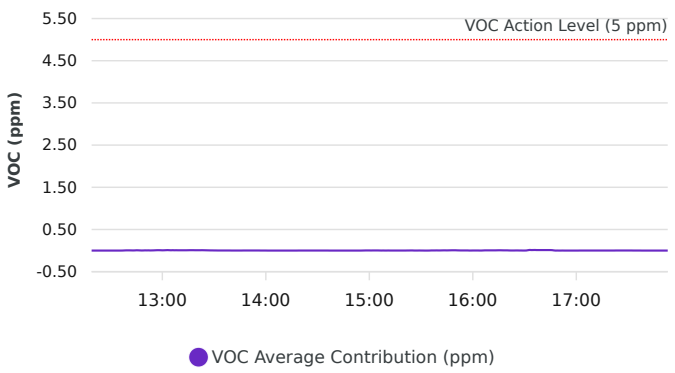
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/3/2024	0.0	12:19	0.00	12:19
Max Contribution (15 min avg.) - 12/3/2024	4.5	12:18	0.01	16:33



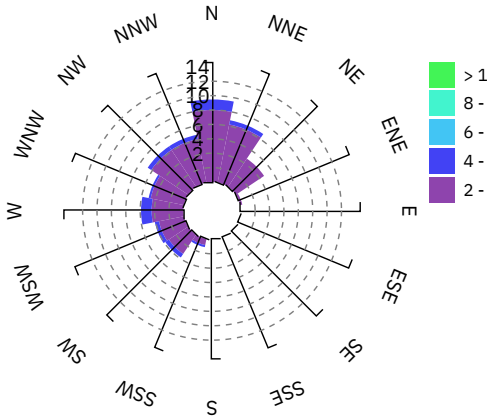
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 12:17:00							0.6	SW
12/3/2024 12:18:00	2.4	6.9	4.5				0.6	NW
12/3/2024 12:19:00	8.9	4.7	0.0	0.03	0.00	0.00	0.6	NE
12/3/2024 12:20:00	6.8	8.2	1.5	0.01	0.01	0.00	1.1	N
12/3/2024 12:21:00	8.9	6.8	0.0	0.02	0.01	0.00	1.2	NE
12/3/2024 12:22:00	10.2	5.9	0.0	0.02	0.01	0.00	1.3	NNE
12/3/2024 12:23:00	9.2	5.3	0.0	0.02	0.01	0.00	1.6	NE
12/3/2024 12:24:00	8.5	4.9	0.0	0.02	0.01	0.00	1.9	NE
12/3/2024 12:25:00	8.0	5.3	0.0	0.02	0.01	0.00	1.9	NNW
12/3/2024 12:26:00	7.5	5.7	0.0	0.02	0.01	0.00	1.9	NNW
12/3/2024 12:27:00	7.1	5.7	0.0	0.01	0.01	0.00	1.9	N
12/3/2024 12:28:00	6.8	5.7	0.0	0.01	0.01	0.00	1.8	NNW
12/3/2024 12:29:00	6.5	5.7	0.0	0.01	0.01	0.00	1.9	N
12/3/2024 12:30:00	6.4	5.5	0.0	0.01	0.01	0.00	1.8	ENE
12/3/2024 12:31:00	6.3	5.4	0.0	0.01	0.01	0.00	1.8	NE
12/3/2024 12:32:00	6.1	5.5	0.0	0.01	0.01	0.00	1.9	WNW
12/3/2024 12:33:00	6.1	5.4	0.0	0.01	0.01	0.00	1.7	SW
12/3/2024 12:34:00	5.3	5.6	0.3	0.01	0.01	0.00	1.7	WNW
12/3/2024 12:35:00	5.3	4.9	0.0	0.01	0.01	0.00	1.7	WNW
12/3/2024 12:36:00	4.5	5.0	0.6	0.01	0.01	0.00	1.9	N
12/3/2024 12:37:00	3.6	5.4	1.8	0.00	0.01	0.00	2.1	NNW
12/3/2024 12:38:00	3.5	5.8	2.2	0.00	0.01	0.00	2.2	W
12/3/2024 12:39:00	3.4	5.9	2.5	0.00	0.01	0.01	2.3	W
12/3/2024 12:40:00	3.3	5.9	2.6	0.00	0.01	0.01	2.3	WSW
12/3/2024 12:41:00	3.3	5.9	2.6	0.00	0.01	0.01	2.3	W
12/3/2024 12:42:00	3.3	6.1	2.8	0.00	0.01	0.00	2.5	WSW
12/3/2024 12:43:00	3.2	6.8	3.6	0.00	0.01	0.00	2.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 12:44:00	3.8	7.9	4.1	0.00	0.01	0.00	2.4	N
12/3/2024 12:45:00	4.3	8.4	4.1	0.00	0.01	0.01	2.5	N
12/3/2024 12:46:00	4.5	8.8	4.4	0.00	0.01	0.01	2.6	N
12/3/2024 12:47:00	4.7	9.0	4.3	0.00	0.01	0.00	2.3	NE
12/3/2024 12:48:00	4.9	9.2	4.2	0.00	0.01	0.00	2.2	NE
12/3/2024 12:49:00	5.2	9.3	4.1	0.00	0.01	0.00	2.1	NW
12/3/2024 12:50:00	5.5	9.4	4.0	0.00	0.01	0.01	1.8	WSW
12/3/2024 12:51:00	5.9	9.6	3.7	0.01	0.01	0.00	1.8	N
12/3/2024 12:52:00	6.1	9.5	3.4	0.01	0.01	0.01	1.6	NW
12/3/2024 12:53:00	6.2	9.4	3.2	0.01	0.01	0.00	1.4	ENE
12/3/2024 12:54:00	6.3	9.9	3.6	0.01	0.01	0.00	1.3	N
12/3/2024 12:55:00	6.5	9.8	3.3	0.01	0.01	0.01	1.4	WNW
12/3/2024 12:56:00	6.7	9.6	3.0	0.01	0.01	0.01	1.4	W
12/3/2024 12:57:00	6.8	9.3	2.5	0.01	0.01	0.01	1.4	WSW
12/3/2024 12:58:00	6.9	8.4	1.5	0.01	0.02	0.01	1.3	WSW
12/3/2024 12:59:00	6.3	7.1	0.8	0.01	0.01	0.01	1.2	SW
12/3/2024 13:00:00	5.8	6.6	0.8	0.01	0.01	0.01	1.0	SW
12/3/2024 13:01:00	5.5	6.2	0.7	0.01	0.01	0.01	0.9	NNE
12/3/2024 13:02:00	5.5	5.9	0.4	0.00	0.01	0.01	1.0	NNE
12/3/2024 13:03:00	5.4	5.6	0.2	0.00	0.01	0.01	1.1	NNW
12/3/2024 13:04:00	5.3	5.4	0.1	0.00	0.01	0.01	1.1	WSW
12/3/2024 13:05:00	5.2	5.1	0.0	0.00	0.01	0.01	1.2	NNW
12/3/2024 13:06:00	4.9	5.0	0.1	0.00	0.01	0.01	1.3	WNW
12/3/2024 13:07:00	4.9	4.8	0.0	0.00	0.01	0.01	1.3	WNW
12/3/2024 13:08:00	5.2	4.9	0.0	0.00	0.01	0.01	1.3	NE
12/3/2024 13:09:00	5.2	4.3	0.0	0.00	0.01	0.01	1.3	N
12/3/2024 13:10:00	5.1	4.2	0.0	0.00	0.01	0.01	1.2	N
12/3/2024 13:11:00	5.1	4.0	0.0	0.00	0.01	0.01	1.2	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 13:12:00	5.1	4.1	0.0	0.00	0.01	0.01	1.3	W
12/3/2024 13:13:00	5.0	4.1	0.0	0.00	0.01	0.01	1.4	N
12/3/2024 13:14:00	5.1	4.1	0.0	0.00	0.01	0.01	1.5	NNW
12/3/2024 13:15:00	5.1	4.2	0.0	0.00	0.01	0.01	1.7	NW
12/3/2024 13:16:00	5.1	4.1	0.0	0.00	0.01	0.01	1.7	WSW
12/3/2024 13:17:00	5.0	3.9	0.0	0.00	0.01	0.01	1.8	W
12/3/2024 13:18:00	5.0	3.9	0.0	0.00	0.01	0.01	1.9	NW
12/3/2024 13:19:00	4.9	3.8	0.0	0.00	0.01	0.01	2.0	N
12/3/2024 13:20:00	4.7	3.9	0.0	0.00	0.01	0.01	2.0	NNE
12/3/2024 13:21:00	4.9	3.8	0.0	0.00	0.01	0.01	2.0	N
12/3/2024 13:22:00	5.0	3.8	0.0	0.00	0.01	0.01	2.1	NW
12/3/2024 13:23:00	4.8	3.6	0.0	0.00	0.01	0.01	2.3	N
12/3/2024 13:24:00	4.9	3.7	0.0	0.00	0.01	0.01	2.5	NNE
12/3/2024 13:25:00	4.9	3.6	0.0	0.00	0.01	0.01	2.5	NNW
12/3/2024 13:26:00	4.8	3.6	0.0	0.00	0.01	0.01	2.7	NNW
12/3/2024 13:27:00	4.7	3.6	0.0	0.00	0.01	0.01	2.8	NNW
12/3/2024 13:28:00	4.7	3.8	0.0	0.00	0.00	0.00	2.9	N
12/3/2024 13:29:00	4.6	3.8	0.0	0.00	0.00	0.00	2.8	NNE
12/3/2024 13:30:00	4.5	3.7	0.0	0.00	0.00	0.00	2.8	NNE
12/3/2024 13:31:00	4.4	3.7	0.0	0.00	0.00	0.00	3.0	WNW
12/3/2024 13:32:00	4.4	3.8	0.0	0.00	0.00	0.00	3.0	W
12/3/2024 13:33:00	4.4	3.8	0.0	0.00	0.00	0.00	2.9	WNW
12/3/2024 13:34:00	4.3	3.8	0.0	0.00	0.00	0.00	2.7	W
12/3/2024 13:35:00	4.4	3.6	0.0	0.00	0.00	0.00	2.7	WNW
12/3/2024 13:36:00	4.1	3.6	0.0	0.00	0.00	0.00	2.5	WSW
12/3/2024 13:37:00	3.9	3.4	0.0	0.00	0.00	0.00	2.3	NW
12/3/2024 13:38:00	3.8	3.4	0.0	0.00	0.00	0.00	2.1	NE
12/3/2024 13:39:00	3.6	3.4	0.0	0.00	0.00	0.00	1.9	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 13:40:00	3.6	3.4	0.0	0.00	0.00	0.00	1.9	N
12/3/2024 13:41:00	3.6	3.4	0.0	0.00	0.00	0.00	1.9	N
12/3/2024 13:42:00	3.6	3.2	0.0	0.00	0.00	0.00	2.0	NW
12/3/2024 13:43:00	3.6	3.0	0.0	0.00	0.00	0.00	1.8	WSW
12/3/2024 13:44:00	3.4	3.0	0.0	0.00	0.00	0.00	1.8	NNE
12/3/2024 13:45:00	3.4	2.9	0.0	0.00	0.00	0.00	1.9	N
12/3/2024 13:46:00	3.4	2.7	0.0	0.00	0.00	0.00	1.8	WNW
12/3/2024 13:47:00	3.4	2.6	0.0	0.00	0.00	0.00	1.8	WSW
12/3/2024 13:48:00	3.3	2.5	0.0	0.00	0.00	0.00	1.7	W
12/3/2024 13:49:00	3.2	2.5	0.0	0.00	0.00	0.00	1.6	NNW
12/3/2024 13:50:00	3.2	2.4	0.0	0.00	0.00	0.00	1.5	W
12/3/2024 13:51:00	3.1	2.3	0.0	0.00	0.00	0.00	1.6	WNW
12/3/2024 13:52:00	3.1	2.3	0.0	0.00	0.00	0.00	1.6	W
12/3/2024 13:53:00	3.1	2.1	0.0	0.00	0.00	0.00	1.7	N
12/3/2024 13:54:00	3.3	1.8	0.0	0.00	0.00	0.00	1.8	WNW
12/3/2024 13:55:00	3.3	1.8	0.0	0.00	0.00	0.00	1.7	N
12/3/2024 13:56:00	3.4	1.7	0.0	0.00	0.00	0.00	1.7	NW
12/3/2024 13:57:00	3.2	1.8	0.0	0.00	0.00	0.00	1.6	NNE
12/3/2024 13:58:00	3.1	2.2	0.0	0.00	0.00	0.00	1.5	NNE
12/3/2024 13:59:00	3.9	2.2	0.0	0.00	0.00	0.00	1.5	W
12/3/2024 14:00:00	3.8	2.3	0.0	0.00	0.00	0.00	1.4	NNE
12/3/2024 14:01:00	3.6	2.8	0.0	0.00	0.00	0.00	1.1	ENE
12/3/2024 14:02:00	3.5	3.1	0.0	0.00	0.00	0.00	1.1	NNE
12/3/2024 14:03:00	3.5	3.5	0.0	0.00	0.00	0.00	1.2	NNE
12/3/2024 14:04:00	3.4	3.7	0.3	0.00	0.00	0.00	1.3	NNE
12/3/2024 14:05:00	3.3	3.8	0.5	0.00	0.00	0.00	1.5	NNE
12/3/2024 14:06:00	3.3	3.8	0.4	0.00	0.00	0.00	1.6	NW
12/3/2024 14:07:00	3.4	3.8	0.4	0.00	0.00	0.00	1.7	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 14:08:00	3.4	3.8	0.4	0.00	0.00	0.00	1.7	NW
12/3/2024 14:09:00	3.4	3.7	0.4	0.00	0.00	0.00	1.7	NNW
12/3/2024 14:10:00	3.1	3.9	0.8	0.00	0.00	0.00	1.7	NNE
12/3/2024 14:11:00	3.1	3.8	0.7	0.00	0.00	0.00	1.7	NW
12/3/2024 14:12:00	3.1	4.0	0.9	0.00	0.00	0.00	1.5	ESE
12/3/2024 14:13:00	3.1	4.2	1.1	0.00	0.00	0.00	1.5	ENE
12/3/2024 14:14:00	2.3	4.4	2.1	0.00	0.00	0.00	1.6	NE
12/3/2024 14:15:00	2.3	4.7	2.4	0.00	0.00	0.00	1.6	NE
12/3/2024 14:16:00	2.3	4.4	2.0	0.00	0.00	0.00	1.7	NNE
12/3/2024 14:17:00	2.4	4.2	1.8	0.00	0.00	0.00	1.6	ENE
12/3/2024 14:18:00	2.3	4.0	1.7	0.00	0.00	0.00	1.4	ENE
12/3/2024 14:19:00	2.6	3.9	1.3	0.00	0.00	0.00	1.4	N
12/3/2024 14:20:00	2.6	4.0	1.4	0.00	0.00	0.00	1.2	E
12/3/2024 14:21:00	2.6	4.0	1.4	0.00	0.00	0.00	1.0	WNW
12/3/2024 14:22:00	2.7	4.1	1.4	0.00	0.00	0.00	0.8	SW
12/3/2024 14:23:00	2.7	4.1	1.4	0.00	0.00	0.00	1.0	N
12/3/2024 14:24:00	2.7	4.1	1.4	0.00	0.00	0.00	0.7	SSW
12/3/2024 14:25:00	2.7	4.1	1.4	0.00	0.00	0.00	0.7	NNE
12/3/2024 14:26:00	2.6	4.2	1.6	0.00	0.00	0.00	0.5	SE
12/3/2024 14:27:00	2.6	3.9	1.3	0.00	0.00	0.00	0.6	NNE
12/3/2024 14:28:00	2.7	3.4	0.7	0.00	0.00	0.00	0.7	NW
12/3/2024 14:29:00	2.7	3.2	0.5	0.00	0.00	0.00	0.7	NNE
12/3/2024 14:30:00	2.9	2.8	0.0	0.00	0.00	0.00	0.9	N
12/3/2024 14:31:00	3.0	2.7	0.0	0.00	0.00	0.00	1.0	N
12/3/2024 14:32:00	3.0	2.7	0.0	0.00	0.00	0.00	1.1	W
12/3/2024 14:33:00	3.1	2.6	0.0	0.00	0.00	0.00	1.2	WSW
12/3/2024 14:34:00	2.9	2.6	0.0	0.00	0.00	0.00	1.2	NNW
12/3/2024 14:35:00	3.0	2.5	0.0	0.00	0.00	0.00	1.3	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 14:36:00	2.9	2.5	0.0	0.00	0.00	0.00	1.3	NNE
12/3/2024 14:37:00	2.7	2.6	0.0	0.00	0.00	0.00	1.4	NNE
12/3/2024 14:38:00	3.0	2.7	0.0	0.00	0.00	0.00	1.4	N
12/3/2024 14:39:00	2.9	3.0	0.1	0.00	0.00	0.00	1.6	NE
12/3/2024 14:40:00	3.3	2.9	0.0	0.00	0.00	0.00	1.5	NNE
12/3/2024 14:41:00	3.4	3.1	0.0	0.00	0.00	0.00	1.7	NNE
12/3/2024 14:42:00	3.7	3.0	0.0	0.00	0.00	0.00	1.6	N
12/3/2024 14:43:00	3.8	3.0	0.0	0.00	0.00	0.00	1.5	SSW
12/3/2024 14:44:00	3.8	2.9	0.0	0.00	0.00	0.00	1.3	WSW
12/3/2024 14:45:00	3.6	2.8	0.0	0.00	0.00	0.00	1.0	SW
12/3/2024 14:46:00	3.6	2.8	0.0	0.00	0.00	0.00	0.8	SW
12/3/2024 14:47:00	3.6	2.7	0.0	0.00	0.00	0.00	0.8	WNW
12/3/2024 14:48:00	3.6	2.8	0.0	0.00	0.00	0.00	0.9	NNE
12/3/2024 14:49:00	3.5	2.9	0.0	0.00	0.00	0.00	0.8	NE
12/3/2024 14:50:00	3.5	3.0	0.0	0.00	0.00	0.00	0.9	NNE
12/3/2024 14:51:00	3.5	3.0	0.0	0.00	0.00	0.00	1.0	NW
12/3/2024 14:52:00	3.6	2.8	0.0	0.00	0.00	0.00	1.1	NNW
12/3/2024 14:53:00	3.2	2.8	0.0	0.00	0.00	0.00	1.1	WNW
12/3/2024 14:54:00	3.3	2.6	0.0	0.00	0.00	0.00	1.3	NW
12/3/2024 14:55:00	2.9	2.6	0.0	0.00	0.00	0.00	1.3	NNE
12/3/2024 14:56:00	2.8	2.4	0.0	0.00	0.00	0.00	1.2	NE
12/3/2024 14:57:00	2.5	2.6	0.1	0.00	0.00	0.00	1.1	S
12/3/2024 14:58:00	2.3	2.7	0.3	0.00	0.00	0.00	1.1	NE
12/3/2024 14:59:00	2.3	2.8	0.5	0.00	0.00	0.00	1.3	NNE
12/3/2024 15:00:00	2.4	2.8	0.4	0.00	0.00	0.00	1.6	N
12/3/2024 15:01:00	2.4	2.9	0.5	0.00	0.00	0.00	1.9	NE
12/3/2024 15:02:00	2.4	2.8	0.5	0.00	0.00	0.00	1.9	NW
12/3/2024 15:03:00	2.4	2.8	0.3	0.00	0.00	0.00	1.7	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 15:04:00	2.5	2.6	0.1	0.00	0.00	0.00	1.7	N
12/3/2024 15:05:00	2.5	2.4	0.0	0.00	0.00	0.00	1.3	SSW
12/3/2024 15:06:00	2.5	2.4	0.0	0.00	0.00	0.00	1.0	SW
12/3/2024 15:07:00	2.4	2.4	0.0	0.00	0.00	0.00	0.8	W
12/3/2024 15:08:00	2.3	2.4	0.1	0.00	0.00	0.00	0.8	NNE
12/3/2024 15:09:00	2.3	2.4	0.1	0.00	0.00	0.00	0.8	NW
12/3/2024 15:10:00	2.3	2.4	0.1	0.01	0.01	0.00	0.9	N
12/3/2024 15:11:00	2.4	2.4	0.0	0.01	0.01	0.00	0.9	W
12/3/2024 15:12:00	2.4	2.2	0.0	0.01	0.01	0.00	1.2	NNW
12/3/2024 15:13:00	2.5	2.1	0.0	0.01	0.01	0.00	1.4	N
12/3/2024 15:14:00	2.5	1.9	0.0	0.01	0.01	0.00	1.4	N
12/3/2024 15:15:00	2.5	1.9	0.0	0.01	0.01	0.00	1.3	W
12/3/2024 15:16:00	2.5	1.8	0.0	0.01	0.01	0.00	1.2	SW
12/3/2024 15:17:00	2.5	1.7	0.0	0.01	0.01	0.00	1.2	W
12/3/2024 15:18:00	2.5	1.7	0.0	0.01	0.01	0.00	1.1	WSW
12/3/2024 15:19:00	2.5	1.7	0.0	0.01	0.01	0.00	1.2	W
12/3/2024 15:20:00	2.5	1.6	0.0	0.01	0.01	0.00	1.5	N
12/3/2024 15:21:00	2.4	1.7	0.0	0.01	0.01	0.00	1.6	NNE
12/3/2024 15:22:00	2.3	1.6	0.0	0.00	0.01	0.00	1.8	NNW
12/3/2024 15:23:00	2.3	1.5	0.0	0.00	0.01	0.00	2.0	NNW
12/3/2024 15:24:00	2.2	1.5	0.0	0.00	0.01	0.00	1.9	NNE
12/3/2024 15:25:00	2.2	1.3	0.0	0.00	0.01	0.00	1.9	WNW
12/3/2024 15:26:00	2.1	1.1	0.0	0.00	0.00	0.00	2.0	WNW
12/3/2024 15:27:00	2.0	1.2	0.0	0.00	0.00	0.00	1.9	N
12/3/2024 15:28:00	1.9	1.1	0.0	0.00	0.00	0.00	1.9	NW
12/3/2024 15:29:00	1.9	1.1	0.0	0.00	0.00	0.00	1.9	N
12/3/2024 15:30:00	1.8	1.1	0.0	0.00	0.00	0.00	1.9	NNE
12/3/2024 15:31:00	1.7	1.2	0.0	0.00	0.00	0.00	2.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 15:32:00	1.6	1.2	0.0	0.00	0.00	0.00	2.0	NE
12/3/2024 15:33:00	1.5	1.3	0.0	0.00	0.00	0.00	2.2	NNE
12/3/2024 15:34:00	1.5	1.3	0.0	0.00	0.00	0.00	2.2	NNW
12/3/2024 15:35:00	1.4	1.3	0.0	0.00	0.01	0.00	2.1	NNW
12/3/2024 15:36:00	1.6	1.2	0.0	0.00	0.01	0.00	2.1	WNW
12/3/2024 15:37:00	1.6	1.2	0.0	0.00	0.01	0.00	1.9	SW
12/3/2024 15:38:00	1.6	1.2	0.0	0.00	0.01	0.00	1.7	NNW
12/3/2024 15:39:00	1.6	1.3	0.0	0.00	0.01	0.00	1.7	NE
12/3/2024 15:40:00	1.7	1.3	0.0	0.00	0.01	0.00	1.5	SW
12/3/2024 15:41:00	1.7	1.3	0.0	0.00	0.01	0.00	1.2	SW
12/3/2024 15:42:00	1.7	1.4	0.0	0.00	0.01	0.00	1.1	NE
12/3/2024 15:43:00	1.7	1.5	0.0	0.00	0.01	0.01	1.1	NE
12/3/2024 15:44:00	1.6	1.6	0.0	0.00	0.01	0.01	1.0	NE
12/3/2024 15:45:00	1.7	1.6	0.0	0.01	0.01	0.00	0.9	NNW
12/3/2024 15:46:00	1.7	1.6	0.0	0.01	0.01	0.01	1.0	N
12/3/2024 15:47:00	1.7	1.6	0.0	0.00	0.01	0.01	1.1	NW
12/3/2024 15:48:00	1.8	1.5	0.0	0.00	0.01	0.01	1.1	NW
12/3/2024 15:49:00	1.8	1.5	0.0	0.00	0.01	0.01	1.0	WSW
12/3/2024 15:50:00	1.7	1.5	0.0	0.00	0.01	0.01	0.9	SSW
12/3/2024 15:51:00	1.8	1.6	0.0	0.00	0.01	0.01	0.7	NE
12/3/2024 15:52:00	1.9	1.9	0.1	0.00	0.01	0.00	0.7	SW
12/3/2024 15:53:00	2.3	2.0	0.0	0.00	0.01	0.00	0.6	NNE
12/3/2024 15:54:00	2.4	2.0	0.0	0.00	0.01	0.00	0.8	W
12/3/2024 15:55:00	2.4	2.1	0.0	0.00	0.01	0.00	0.9	NW
12/3/2024 15:56:00	2.3	2.2	0.0	0.00	0.01	0.00	1.0	W
12/3/2024 15:57:00	2.4	2.1	0.0	0.00	0.01	0.00	1.1	WNW
12/3/2024 15:58:00	2.4	2.1	0.0	0.00	0.01	0.00	1.1	NNE
12/3/2024 15:59:00	2.4	2.1	0.0	0.00	0.00	0.00	1.2	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 16:00:00	2.5	2.1	0.0	0.00	0.00	0.00	1.3	N
12/3/2024 16:01:00	2.5	2.0	0.0	0.00	0.00	0.00	1.1	ENE
12/3/2024 16:02:00	2.5	2.0	0.0	0.00	0.00	0.00	0.9	SSW
12/3/2024 16:03:00	2.8	2.0	0.0	0.00	0.00	0.00	0.7	SSW
12/3/2024 16:04:00	2.7	2.4	0.0	0.00	0.00	0.00	0.6	NE
12/3/2024 16:05:00	2.9	2.4	0.0	0.00	0.00	0.00	0.8	NNW
12/3/2024 16:06:00	3.0	2.2	0.0	0.00	0.00	0.00	0.7	SSW
12/3/2024 16:07:00	3.2	1.9	0.0	0.00	0.01	0.01	0.7	SW
12/3/2024 16:08:00	2.8	1.8	0.0	0.00	0.01	0.01	0.7	NW
12/3/2024 16:09:00	2.8	2.2	0.0	0.00	0.01	0.01	0.7	NNW
12/3/2024 16:10:00	2.9	2.5	0.0	0.00	0.01	0.01	0.6	SW
12/3/2024 16:11:00	2.9	2.8	0.0	0.00	0.01	0.01	0.4	E
12/3/2024 16:12:00	2.9	3.1	0.3	0.00	0.01	0.01	0.4	NE
12/3/2024 16:13:00	3.4	3.0	0.0	0.00	0.01	0.01	0.2	SW
12/3/2024 16:14:00	4.0	2.9	0.0	0.01	0.01	0.01	0.4	SSW
12/3/2024 16:15:00	3.7	3.1	0.0	0.01	0.01	0.01	0.3	ENE
12/3/2024 16:16:00	3.8	3.2	0.0	0.01	0.01	0.01	0.2	NNE
12/3/2024 16:17:00	3.8	3.2	0.0	0.01	0.01	0.01	0.2	NNW
12/3/2024 16:18:00	3.5	3.2	0.0	0.01	0.01	0.01	0.2	SSE
12/3/2024 16:19:00	3.5	2.9	0.0	0.01	0.01	0.01	0.2	NE
12/3/2024 16:20:00	3.2	2.9	0.0	0.01	0.01	0.01	0.2	ENE
12/3/2024 16:21:00	2.9	3.0	0.1	0.01	0.01	0.00	0.4	NNE
12/3/2024 16:22:00	2.7	3.4	0.7	0.01	0.01	0.00	0.7	N
12/3/2024 16:23:00	2.7	3.5	0.8	0.01	0.01	0.00	0.6	W
12/3/2024 16:24:00	2.6	3.1	0.5	0.01	0.01	0.00	0.6	NE
12/3/2024 16:25:00	2.8	2.7	0.0	0.01	0.01	0.00	0.7	W
12/3/2024 16:26:00	2.8	2.5	0.0	0.01	0.01	0.00	0.7	ENE
12/3/2024 16:27:00	2.9	2.2	0.0	0.01	0.01	0.00	0.6	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 16:28:00	2.4	2.3	0.0	0.00	0.01	0.00	0.7	SE
12/3/2024 16:29:00	1.9	2.4	0.5	0.00	0.00	0.00	0.7	WSW
12/3/2024 16:30:00	2.1	2.3	0.2	0.00	0.00	0.00	0.5	SSW
12/3/2024 16:31:00	2.1	2.5	0.3	0.00	0.00	0.00	0.5	NE
12/3/2024 16:32:00	2.2	2.8	0.6	0.00	0.01	0.01	0.4	NE
12/3/2024 16:33:00	2.3	2.9	0.7	0.00	0.02	0.01	0.4	S
12/3/2024 16:34:00	2.6	3.0	0.4	0.01	0.02	0.01	0.3	SSW
12/3/2024 16:35:00	2.7	3.2	0.5	0.01	0.02	0.01	0.3	NE
12/3/2024 16:36:00	2.7	3.4	0.7	0.01	0.02	0.01	0.2	NE
12/3/2024 16:37:00	2.8	3.4	0.7	0.01	0.02	0.01	0.3	NE
12/3/2024 16:38:00	3.1	3.4	0.3	0.01	0.02	0.01	0.3	SW
12/3/2024 16:39:00	3.4	3.3	0.0	0.01	0.02	0.01	0.1	WSW
12/3/2024 16:40:00	3.2	3.5	0.3	0.01	0.02	0.01	0.3	N
12/3/2024 16:41:00	3.4	3.5	0.1	0.01	0.02	0.01	0.3	N
12/3/2024 16:42:00	3.4	3.5	0.1	0.01	0.02	0.01	0.4	WSW
12/3/2024 16:43:00	3.4	3.6	0.2	0.01	0.02	0.01	0.6	NW
12/3/2024 16:44:00	3.5	3.7	0.2	0.01	0.02	0.01	0.7	NNW
12/3/2024 16:45:00	3.7	3.7	0.1	0.01	0.02	0.01	0.8	WSW
12/3/2024 16:46:00	3.9	3.5	0.0	0.01	0.02	0.01	0.7	SW
12/3/2024 16:47:00	4.2	3.4	0.0	0.01	0.01	0.00	0.9	WNW
12/3/2024 16:48:00	4.2	3.4	0.0	0.01	0.01	0.00	1.1	NNW
12/3/2024 16:49:00	4.0	3.4	0.0	0.00	0.00	0.00	1.3	NNW
12/3/2024 16:50:00	4.1	3.4	0.0	0.00	0.00	0.00	1.6	NW
12/3/2024 16:51:00	4.0	3.2	0.0	0.00	0.00	0.00	1.7	N
12/3/2024 16:52:00	4.0	2.9	0.0	0.00	0.00	0.00	1.8	W
12/3/2024 16:53:00	3.7	3.0	0.0	0.00	0.00	0.00	2.0	W
12/3/2024 16:54:00	3.3	3.0	0.0	0.00	0.00	0.00	2.2	W
12/3/2024 16:55:00	3.3	2.9	0.0	0.00	0.00	0.00	2.2	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 16:56:00	3.2	2.9	0.0	0.00	0.00	0.00	2.3	W
12/3/2024 16:57:00	3.2	3.0	0.0	0.00	0.00	0.00	2.4	NW
12/3/2024 16:58:00	3.4	3.2	0.0	0.00	0.00	0.00	2.4	NW
12/3/2024 16:59:00	3.5	3.2	0.0	0.00	0.00	0.00	2.4	W
12/3/2024 17:00:00	3.4	3.2	0.0	0.00	0.00	0.00	2.5	WSW
12/3/2024 17:01:00	3.2	3.6	0.3	0.00	0.00	0.00	2.5	NNE
12/3/2024 17:02:00	3.6	3.5	0.0	0.00	0.00	0.00	2.4	W
12/3/2024 17:03:00	3.8	3.5	0.0	0.00	0.00	0.00	2.3	NNW
12/3/2024 17:04:00	4.2	3.6	0.0	0.00	0.00	0.00	2.3	NNW
12/3/2024 17:05:00	4.7	3.6	0.0	0.00	0.00	0.00	2.2	NNW
12/3/2024 17:06:00	4.8	4.0	0.0	0.00	0.00	0.00	2.1	NE
12/3/2024 17:07:00	5.1	4.0	0.0	0.00	0.00	0.00	2.1	NW
12/3/2024 17:08:00	5.2	4.0	0.0	0.00	0.00	0.00	2.1	NNW
12/3/2024 17:09:00	5.3	4.1	0.0	0.00	0.00	0.00	2.1	WSW
12/3/2024 17:10:00	5.9	4.3	0.0	0.00	0.00	0.00	2.0	NNE
12/3/2024 17:11:00	6.1	4.3	0.0	0.00	0.00	0.00	2.1	NNW
12/3/2024 17:12:00	6.1	4.3	0.0	0.00	0.00	0.00	1.9	NW
12/3/2024 17:13:00	6.0	4.1	0.0	0.00	0.00	0.00	1.8	WSW
12/3/2024 17:14:00	5.8	4.1	0.0	0.00	0.00	0.00	1.8	N
12/3/2024 17:15:00	5.7	4.2	0.0	0.00	0.00	0.00	1.8	NNE
12/3/2024 17:16:00	5.9	3.9	0.0	0.00	0.00	0.00	1.7	W
12/3/2024 17:17:00	5.3	3.9	0.0	0.00	0.00	0.00	1.8	NNW
12/3/2024 17:18:00	5.2	3.9	0.0	0.00	0.00	0.00	1.8	W
12/3/2024 17:19:00	4.8	3.8	0.0	0.00	0.00	0.00	1.8	W
12/3/2024 17:20:00	4.2	3.7	0.0	0.00	0.00	0.00	1.6	NE
12/3/2024 17:21:00	4.2	3.4	0.0	0.00	0.00	0.00	1.9	NW
12/3/2024 17:22:00	4.1	3.4	0.0	0.00	0.00	0.00	1.7	N
12/3/2024 17:23:00	4.0	3.4	0.0	0.00	0.00	0.00	1.7	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 17:24:00	4.0	3.4	0.0	0.00	0.00	0.00	1.6	WNW
12/3/2024 17:25:00	3.4	3.2	0.0	0.00	0.00	0.00	1.6	NNE
12/3/2024 17:26:00	3.4	3.1	0.0	0.00	0.00	0.00	1.5	NW
12/3/2024 17:27:00	3.4	3.2	0.0	0.00	0.00	0.00	1.2	S
12/3/2024 17:28:00	3.4	3.2	0.0	0.00	0.00	0.00	1.3	N
12/3/2024 17:29:00	3.4	3.2	0.0	0.00	0.00	0.00	1.2	NE
12/3/2024 17:30:00	3.4	3.1	0.0	0.00	0.00	0.00	1.3	NW
12/3/2024 17:31:00	3.3	3.1	0.0	0.00	0.00	0.00	1.4	NW
12/3/2024 17:32:00	3.4	3.0	0.0	0.00	0.00	0.00	1.4	NW
12/3/2024 17:33:00	3.4	3.0	0.0	0.00	0.00	0.00	1.3	WNW
12/3/2024 17:34:00	3.5	3.0	0.0	0.00	0.00	0.00	1.3	W
12/3/2024 17:35:00	3.5	3.2	0.0	0.00	0.00	0.00	1.3	NE
12/3/2024 17:36:00	3.5	3.2	0.0	0.00	0.00	0.00	1.2	NNW
12/3/2024 17:37:00	3.6	3.1	0.0	0.00	0.00	0.00	1.0	SW
12/3/2024 17:38:00	3.6	3.6	0.0	0.00	0.00	0.00	1.0	NE
12/3/2024 17:39:00	3.5	3.7	0.2	0.00	0.00	0.00	1.0	N
12/3/2024 17:40:00	3.6	3.7	0.0	0.00	0.00	0.00	1.1	N
12/3/2024 17:41:00	3.7	3.7	0.0	0.00	0.00	0.00	1.1	NW
12/3/2024 17:42:00	3.8	3.6	0.0	0.00	0.00	0.00	1.5	NNW
12/3/2024 17:43:00	3.9	3.7	0.0	0.00	0.00	0.00	1.5	N
12/3/2024 17:44:00	3.9	3.8	0.0	0.00	0.00	0.00	1.6	NE
12/3/2024 17:45:00	4.0	3.8	0.0	0.00	0.00	0.00	1.4	SW
12/3/2024 17:46:00	4.0	3.9	0.0	0.00	0.00	0.00	1.4	NNW
12/3/2024 17:47:00	4.1	4.0	0.0	0.00	0.00	0.00	1.2	SSW
12/3/2024 17:48:00	4.1	4.0	0.0	0.00	0.00	0.00	1.1	SW
12/3/2024 17:49:00	4.1	4.2	0.1	0.00	0.00	0.00	1.1	NE
12/3/2024 17:50:00	4.3	4.0	0.0	0.00	0.00	0.00	1.2	NNW
12/3/2024 17:51:00	4.2	4.2	0.0	0.00	0.00	0.00	1.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/3/2024 17:52:00	4.3	4.2	0.0	0.00	0.00	0.00	1.1	SW
12/3/2024 17:53:00	4.5	3.6	0.0	0.00	0.00	0.00	1.1	WSW
12/3/2024 17:54:00							1.0	WSW
12/3/2024 17:55:00							1.1	N
12/3/2024 17:56:00							1.1	NW

DAILY FIELD REPORT 158

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 4, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon installed geotextile fabric on top of existing soil to prepare for 0.5-inch recycled aggregate backfill in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 30-foot-long by 5-foot-wide area with 0.5-inch recycled aggregate on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 30-foot-long by 5-foot-wide area with No. 57 stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25..

Material Tracking:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**76**
	Quantity (CY)	0	**1500**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**31**
		Quantity (CY)	0	**610**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	2	**36**
		Quantity (CY)	40	**760**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

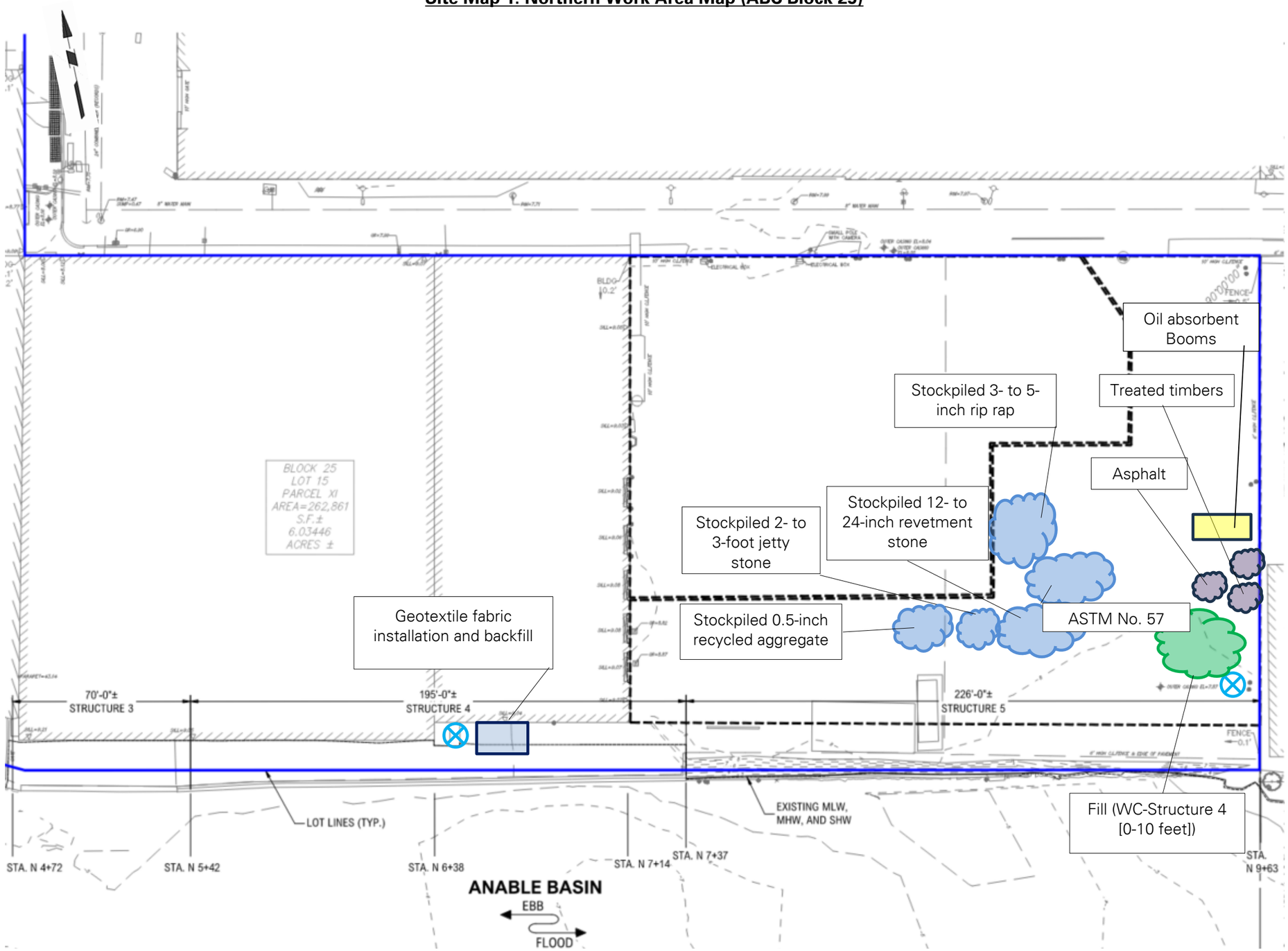
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

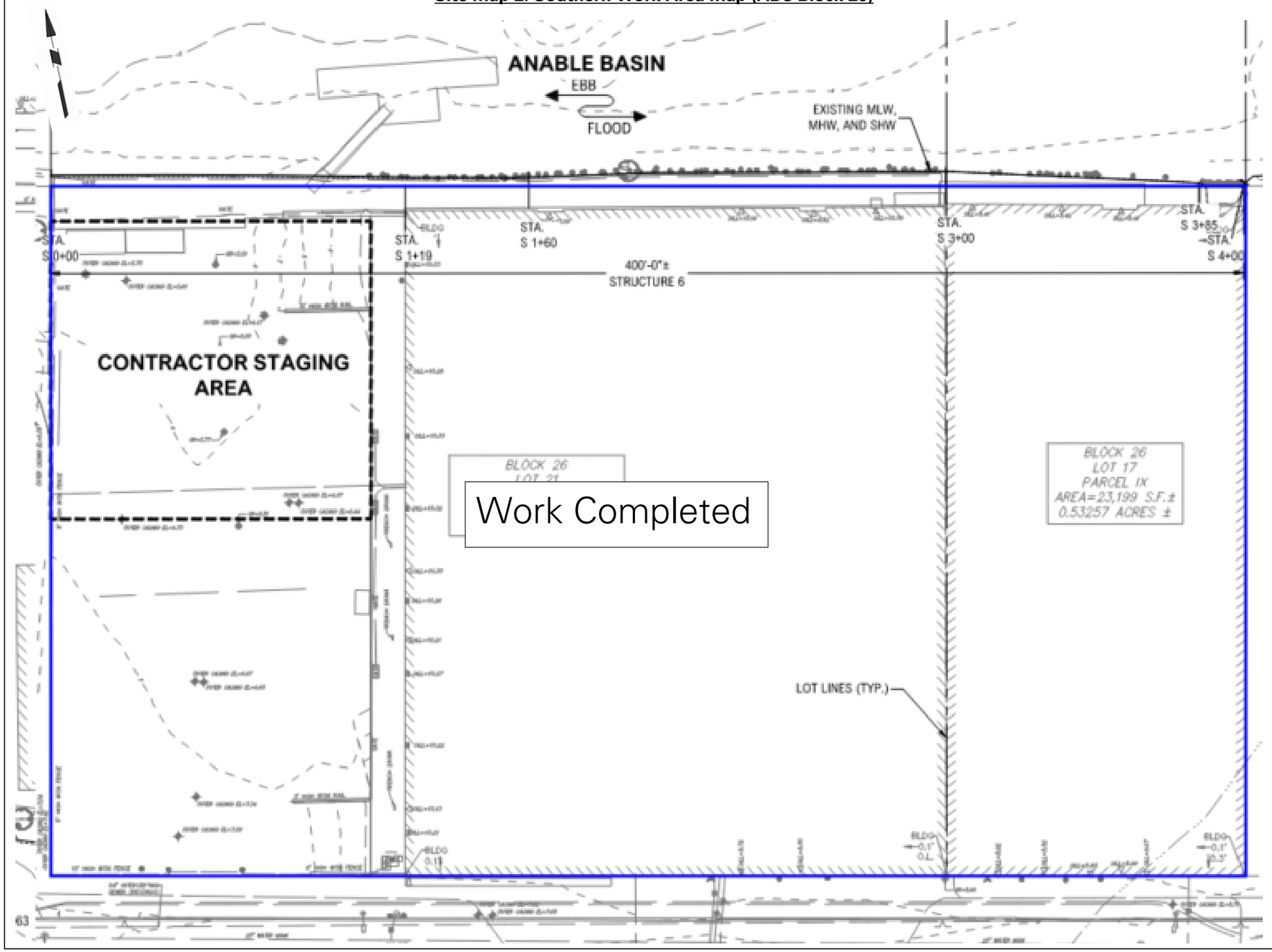


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.04 - Anable Basin Bulkhead Stabilization - Day 158

Site Map 2: Southern Work Area Map (ABC Block 26)



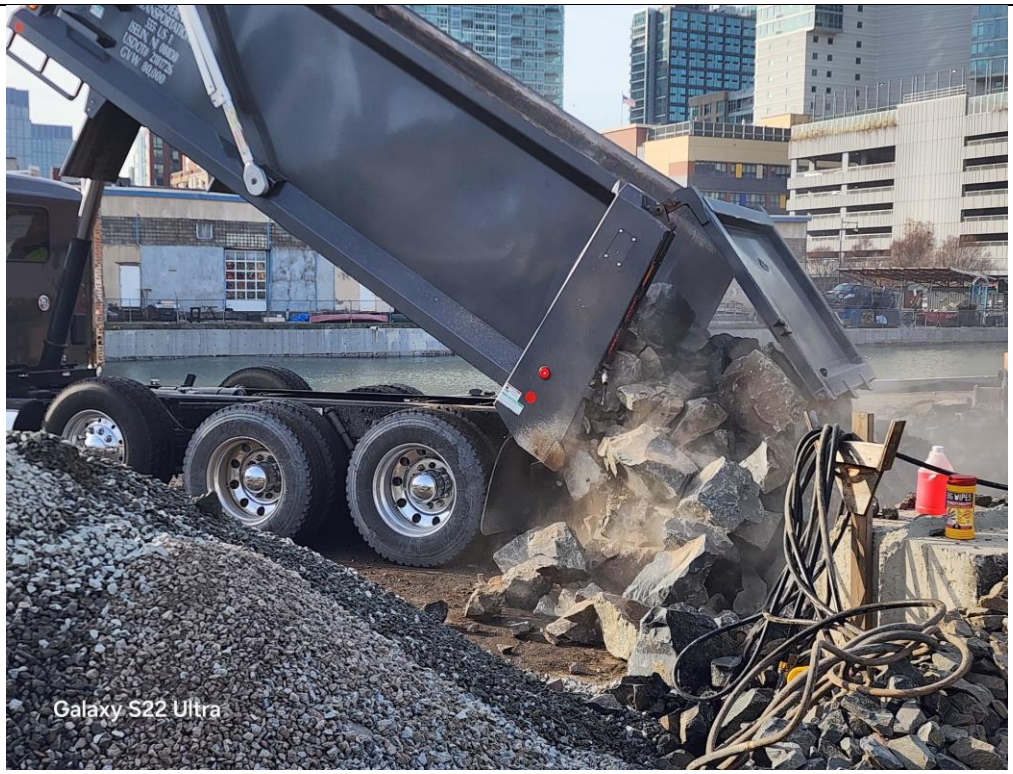
Work Completed

LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.04 - Anable Basin Bulkhead Stabilization - Day 158

Photo Log

Photo 1: Trevcon backfilling with No. 57 stone in the southwestern part of ABC Block 25 (facing west).	
Photo 2: Trevcon importing 12- to 24-inch revetment stone in the southeastern part of ABC Block 25 (facing southwest).	

File Name: 2024.12.04 - Anable Basin Bulkhead Stabilization - Day 158

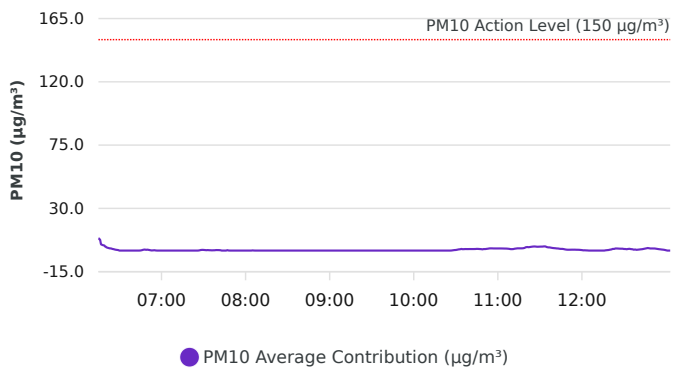
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/4/2024 04:00
		To:	12/4/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/4/2024	0.2-6.2	SW

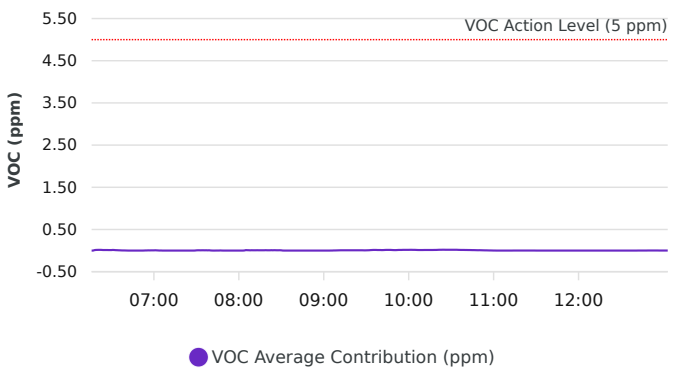
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/4/2024	0.0	06:30	0.00	06:16
Max Contribution (15 min avg.) - 12/4/2024	8.8	06:15	0.02	10:24



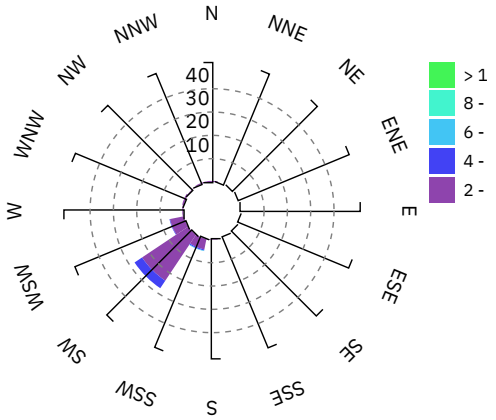
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 06:13:00							0.5	NNE
12/4/2024 06:14:00							0.4	NE
12/4/2024 06:15:00	12.2	20.9	8.8				0.4	NE
12/4/2024 06:16:00	11.6	19.5	7.9	0.03	0.00	0.00	0.5	NNE
12/4/2024 06:17:00	12.3	16.6	4.3	0.01	0.01	0.00	0.3	WSW
12/4/2024 06:18:00	11.3	15.2	3.9	0.01	0.02	0.01	0.2	SW
12/4/2024 06:19:00	10.7	14.4	3.6	0.01	0.02	0.01	0.1	SSW
12/4/2024 06:20:00	10.3	13.2	2.8	0.01	0.02	0.02	0.2	SW
12/4/2024 06:21:00	10.1	12.3	2.2	0.01	0.02	0.02	0.2	SW
12/4/2024 06:22:00	9.7	11.5	1.9	0.00	0.02	0.02	0.3	SW
12/4/2024 06:23:00	9.4	11.0	1.6	0.00	0.02	0.02	0.4	SSW
12/4/2024 06:24:00	9.1	10.6	1.5	0.00	0.02	0.01	0.3	SSE
12/4/2024 06:25:00	9.1	10.2	1.2	0.00	0.02	0.01	0.3	SW
12/4/2024 06:26:00	8.9	9.9	0.9	0.00	0.02	0.01	0.4	SW
12/4/2024 06:27:00	8.9	9.6	0.7	0.00	0.02	0.01	0.4	SSW
12/4/2024 06:28:00	8.8	9.3	0.5	0.00	0.01	0.01	0.5	SSW
12/4/2024 06:29:00	8.7	9.1	0.4	0.00	0.01	0.01	0.5	SW
12/4/2024 06:30:00	8.6	8.1	0.0	0.00	0.01	0.01	0.6	WSW
12/4/2024 06:31:00	8.6	7.3	0.0	0.00	0.01	0.01	0.7	SSW
12/4/2024 06:32:00	8.3	7.0	0.0	0.00	0.01	0.01	0.7	SW
12/4/2024 06:33:00	8.3	6.7	0.0	0.00	0.01	0.01	0.6	SSW
12/4/2024 06:34:00	8.1	6.5	0.0	0.00	0.01	0.01	0.6	S
12/4/2024 06:35:00	8.1	6.5	0.0	0.00	0.01	0.01	0.5	NNW
12/4/2024 06:36:00	7.9	6.5	0.0	0.01	0.01	0.01	0.4	NE
12/4/2024 06:37:00	7.8	6.7	0.0	0.01	0.01	0.00	0.3	NE
12/4/2024 06:38:00	7.8	6.9	0.0	0.01	0.01	0.00	0.3	NE
12/4/2024 06:39:00	7.8	6.8	0.0	0.01	0.01	0.00	0.2	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 06:40:00	7.8	6.8	0.0	0.01	0.01	0.00	0.2	W
12/4/2024 06:41:00	7.7	6.9	0.0	0.01	0.01	0.00	0.2	S
12/4/2024 06:42:00	7.5	7.0	0.0	0.01	0.01	0.00	0.2	ESE
12/4/2024 06:43:00	7.3	7.0	0.0	0.01	0.01	0.00	0.1	SE
12/4/2024 06:44:00	7.3	7.0	0.0	0.01	0.01	0.00	0.1	SSW
12/4/2024 06:45:00	7.0	7.1	0.1	0.01	0.01	0.00	0.1	ENE
12/4/2024 06:46:00	6.8	7.1	0.3	0.01	0.01	0.00	0.1	SW
12/4/2024 06:47:00	6.7	7.3	0.6	0.01	0.01	0.00	0.0	NNE
12/4/2024 06:48:00	6.6	7.3	0.7	0.01	0.01	0.00	0.1	N
12/4/2024 06:49:00	6.6	7.2	0.6	0.01	0.01	0.00	0.3	NNE
12/4/2024 06:50:00	6.6	7.2	0.6	0.01	0.01	0.00	0.3	N
12/4/2024 06:51:00	6.6	7.1	0.5	0.01	0.01	0.00	0.4	N
12/4/2024 06:52:00	6.7	6.9	0.3	0.01	0.01	0.00	0.3	WSW
12/4/2024 06:53:00	6.7	6.8	0.1	0.01	0.01	0.00	0.4	NW
12/4/2024 06:54:00	6.6	6.8	0.2	0.01	0.01	0.00	0.4	SSW
12/4/2024 06:55:00	6.6	6.8	0.2	0.01	0.01	0.00	0.4	W
12/4/2024 06:56:00	6.6	6.7	0.1	0.01	0.01	0.01	0.5	N
12/4/2024 06:57:00	6.7	6.7	0.0	0.01	0.01	0.00	0.7	NNE
12/4/2024 06:58:00	6.7	6.6	0.0	0.01	0.01	0.01	0.8	NW
12/4/2024 06:59:00	6.7	6.7	0.0	0.00	0.01	0.01	0.9	NNW
12/4/2024 07:00:00	6.7	6.6	0.0	0.00	0.01	0.01	0.9	WNW
12/4/2024 07:01:00	6.7	6.7	0.0	0.00	0.01	0.01	0.9	NE
12/4/2024 07:02:00	6.7	6.6	0.0	0.01	0.01	0.01	0.8	SW
12/4/2024 07:03:00	6.7	6.6	0.0	0.01	0.01	0.00	0.7	SSW
12/4/2024 07:04:00	6.7	6.5	0.0	0.01	0.01	0.00	0.7	SW
12/4/2024 07:05:00	6.7	6.6	0.0	0.01	0.01	0.00	0.6	E
12/4/2024 07:06:00	6.7	6.6	0.0	0.01	0.01	0.00	0.5	N
12/4/2024 07:07:00	6.7	6.6	0.0	0.02	0.01	0.00	0.5	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 07:08:00	6.7	6.6	0.0	0.02	0.01	0.00	0.4	SSW
12/4/2024 07:09:00	6.7	6.6	0.0	0.02	0.01	0.00	0.4	SW
12/4/2024 07:10:00	6.7	6.6	0.0	0.02	0.01	0.00	0.3	SSW
12/4/2024 07:11:00	6.7	6.6	0.0	0.02	0.01	0.00	0.3	SW
12/4/2024 07:12:00	7.0	6.6	0.0	0.02	0.01	0.00	0.4	SW
12/4/2024 07:13:00	7.1	6.6	0.0	0.02	0.01	0.00	0.5	SW
12/4/2024 07:14:00	7.2	6.6	0.0	0.02	0.01	0.00	0.7	SW
12/4/2024 07:15:00	7.2	6.6	0.0	0.03	0.01	0.00	0.8	SW
12/4/2024 07:16:00	7.2	6.6	0.0	0.03	0.01	0.00	1.0	SW
12/4/2024 07:17:00	7.1	6.6	0.0	0.02	0.01	0.00	0.9	WNW
12/4/2024 07:18:00	7.1	6.6	0.0	0.02	0.01	0.00	0.9	SW
12/4/2024 07:19:00	7.1	6.6	0.0	0.02	0.01	0.00	0.9	SSW
12/4/2024 07:20:00	7.1	6.5	0.0	0.02	0.01	0.00	0.9	ESE
12/4/2024 07:21:00	7.1	6.5	0.0	0.02	0.01	0.00	0.9	NE
12/4/2024 07:22:00	7.1	6.6	0.0	0.01	0.01	0.00	0.9	N
12/4/2024 07:23:00	7.1	6.6	0.0	0.01	0.01	0.00	0.8	N
12/4/2024 07:24:00	7.2	6.6	0.0	0.01	0.01	0.00	0.9	SW
12/4/2024 07:25:00	7.1	6.6	0.0	0.01	0.01	0.00	0.8	S
12/4/2024 07:26:00	7.0	6.7	0.0	0.01	0.01	0.00	0.8	SE
12/4/2024 07:27:00	6.7	6.8	0.1	0.01	0.01	0.00	0.7	NNE
12/4/2024 07:28:00	6.5	6.9	0.4	0.01	0.01	0.00	0.5	ESE
12/4/2024 07:29:00	6.4	6.9	0.5	0.01	0.01	0.00	0.4	NE
12/4/2024 07:30:00	6.4	6.9	0.5	0.01	0.01	0.01	0.2	SSW
12/4/2024 07:31:00	6.5	6.8	0.4	0.01	0.01	0.01	0.2	SSW
12/4/2024 07:32:00	6.5	6.8	0.3	0.01	0.01	0.01	0.2	NW
12/4/2024 07:33:00	6.5	6.9	0.3	0.01	0.01	0.01	0.2	NE
12/4/2024 07:34:00	6.6	6.8	0.3	0.01	0.01	0.01	0.1	WSW
12/4/2024 07:35:00	6.6	6.8	0.2	0.01	0.01	0.01	0.2	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 07:36:00	6.6	6.8	0.2	0.01	0.01	0.01	0.2	N
12/4/2024 07:37:00	6.6	6.8	0.2	0.01	0.01	0.01	0.1	NE
12/4/2024 07:38:00	6.6	6.8	0.2	0.01	0.01	0.01	0.1	NNE
12/4/2024 07:39:00	6.6	6.9	0.4	0.00	0.01	0.01	0.2	NNE
12/4/2024 07:40:00	6.6	7.0	0.3	0.00	0.01	0.00	0.3	NNE
12/4/2024 07:41:00	6.6	7.0	0.3	0.01	0.01	0.00	0.5	NNE
12/4/2024 07:42:00	6.7	6.9	0.3	0.01	0.01	0.00	0.5	NE
12/4/2024 07:43:00	6.8	6.8	0.0	0.01	0.01	0.00	0.6	NW
12/4/2024 07:44:00	6.8	6.7	0.0	0.00	0.01	0.00	0.6	NW
12/4/2024 07:45:00	7.1	6.7	0.0	0.00	0.01	0.00	0.6	WNW
12/4/2024 07:46:00	7.0	7.0	0.0	0.01	0.01	0.00	0.8	NE
12/4/2024 07:47:00	6.9	7.2	0.3	0.01	0.01	0.00	0.7	SE
12/4/2024 07:48:00	7.0	7.0	0.0	0.01	0.01	0.00	0.8	N
12/4/2024 07:49:00	7.1	7.0	0.0	0.01	0.01	0.00	0.8	NW
12/4/2024 07:50:00	7.3	6.9	0.0	0.02	0.01	0.00	0.9	WSW
12/4/2024 07:51:00	7.2	7.1	0.0	0.02	0.01	0.00	0.8	NNE
12/4/2024 07:52:00	7.2	7.2	0.0	0.02	0.01	0.00	0.8	NNE
12/4/2024 07:53:00	7.2	7.1	0.0	0.02	0.01	0.00	0.7	W
12/4/2024 07:54:00	7.3	7.0	0.0	0.02	0.01	0.00	0.7	WNW
12/4/2024 07:55:00	7.3	6.9	0.0	0.02	0.01	0.00	0.9	NNW
12/4/2024 07:56:00	7.4	6.9	0.0	0.02	0.01	0.00	1.0	NNW
12/4/2024 07:57:00	7.5	6.8	0.0	0.02	0.02	0.00	1.0	NW
12/4/2024 07:58:00	7.5	6.8	0.0	0.02	0.02	0.00	1.1	N
12/4/2024 07:59:00	7.5	7.1	0.0	0.02	0.02	0.00	1.1	N
12/4/2024 08:00:00	7.5	7.2	0.0	0.02	0.02	0.00	1.2	N
12/4/2024 08:01:00	7.6	7.1	0.0	0.02	0.02	0.00	1.2	NNE
12/4/2024 08:02:00	7.7	7.0	0.0	0.02	0.01	0.00	1.2	ENE
12/4/2024 08:03:00	7.6	7.2	0.0	0.01	0.01	0.00	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 08:04:00	7.6	7.2	0.0	0.01	0.01	0.00	1.0	SSW
12/4/2024 08:05:00	7.3	7.4	0.1	0.01	0.02	0.01	1.0	S
12/4/2024 08:06:00	7.3	7.3	0.0	0.01	0.01	0.01	0.9	S
12/4/2024 08:07:00	7.5	7.2	0.0	0.01	0.01	0.01	0.8	SSW
12/4/2024 08:08:00	7.6	7.2	0.0	0.01	0.01	0.01	0.7	SW
12/4/2024 08:09:00	7.6	7.4	0.0	0.01	0.02	0.01	0.5	NE
12/4/2024 08:10:00	7.7	7.4	0.0	0.01	0.02	0.01	0.3	SW
12/4/2024 08:11:00	7.7	7.4	0.0	0.01	0.02	0.01	0.1	SSW
12/4/2024 08:12:00	7.8	7.4	0.0	0.01	0.02	0.01	0.2	SW
12/4/2024 08:13:00	7.9	7.4	0.0	0.01	0.02	0.01	0.3	SW
12/4/2024 08:14:00	8.0	7.2	0.0	0.01	0.02	0.01	0.6	SSW
12/4/2024 08:15:00	7.8	7.2	0.0	0.01	0.02	0.01	0.9	SW
12/4/2024 08:16:00	8.0	7.1	0.0	0.01	0.02	0.01	1.1	SW
12/4/2024 08:17:00	8.1	7.0	0.0	0.01	0.02	0.01	1.2	SSW
12/4/2024 08:18:00	8.2	6.9	0.0	0.01	0.01	0.01	1.3	SSW
12/4/2024 08:19:00	8.2	6.9	0.0	0.01	0.01	0.01	1.3	SSW
12/4/2024 08:20:00	8.4	6.8	0.0	0.01	0.01	0.01	1.3	SSW
12/4/2024 08:21:00	8.5	6.7	0.0	0.01	0.01	0.01	1.3	SW
12/4/2024 08:22:00	8.4	6.7	0.0	0.00	0.01	0.01	1.4	SW
12/4/2024 08:23:00	8.4	6.6	0.0	0.00	0.01	0.01	1.5	SW
12/4/2024 08:24:00	8.5	6.5	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 08:25:00	8.5	6.5	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 08:26:00	8.5	6.5	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 08:27:00	8.5	6.5	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 08:28:00	8.5	6.5	0.0	0.00	0.01	0.01	1.7	WNW
12/4/2024 08:29:00	8.7	6.5	0.0	0.00	0.01	0.01	1.6	SW
12/4/2024 08:30:00	9.2	6.5	0.0	0.00	0.01	0.01	1.5	SSW
12/4/2024 08:31:00	9.3	6.5	0.0	0.01	0.01	0.00	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 08:32:00	9.3	6.5	0.0	0.01	0.01	0.00	1.4	SSW
12/4/2024 08:33:00	9.4	6.5	0.0	0.01	0.01	0.00	1.5	SW
12/4/2024 08:34:00	9.5	6.6	0.0	0.01	0.01	0.00	1.6	SW
12/4/2024 08:35:00	9.5	6.7	0.0	0.01	0.01	0.00	1.7	SW
12/4/2024 08:36:00	9.6	6.7	0.0	0.02	0.01	0.00	1.6	WSW
12/4/2024 08:37:00	9.6	6.7	0.0	0.02	0.01	0.00	1.6	SW
12/4/2024 08:38:00	9.7	6.8	0.0	0.03	0.01	0.00	1.5	WSW
12/4/2024 08:39:00	9.7	6.8	0.0	0.03	0.01	0.00	1.5	SW
12/4/2024 08:40:00	9.7	6.9	0.0	0.03	0.01	0.00	1.5	SW
12/4/2024 08:41:00	9.7	7.0	0.0	0.03	0.01	0.00	1.5	SW
12/4/2024 08:42:00	9.7	7.0	0.0	0.03	0.01	0.00	1.5	SSW
12/4/2024 08:43:00	9.6	7.2	0.0	0.03	0.01	0.00	1.5	S
12/4/2024 08:44:00	9.4	7.2	0.0	0.03	0.01	0.00	1.5	W
12/4/2024 08:45:00	8.9	7.1	0.0	0.03	0.01	0.00	1.6	SW
12/4/2024 08:46:00	9.0	7.1	0.0	0.03	0.01	0.00	1.8	SW
12/4/2024 08:47:00	9.0	7.0	0.0	0.02	0.01	0.00	1.7	SSW
12/4/2024 08:48:00	8.9	7.0	0.0	0.02	0.01	0.00	1.7	SW
12/4/2024 08:49:00	8.9	7.0	0.0	0.02	0.01	0.00	1.6	WSW
12/4/2024 08:50:00	8.8	6.9	0.0	0.02	0.01	0.00	1.5	SW
12/4/2024 08:51:00	8.8	7.0	0.0	0.01	0.01	0.00	1.5	WSW
12/4/2024 08:52:00	8.8	7.0	0.0	0.01	0.00	0.00	1.6	SW
12/4/2024 08:53:00	8.9	7.0	0.0	0.01	0.00	0.00	1.5	SW
12/4/2024 08:54:00	9.5	7.0	0.0	0.01	0.00	0.00	1.4	W
12/4/2024 08:55:00	9.3	7.0	0.0	0.01	0.00	0.00	1.2	NNE
12/4/2024 08:56:00	9.2	7.0	0.0	0.01	0.00	0.00	1.1	WSW
12/4/2024 08:57:00	9.2	6.9	0.0	0.01	0.00	0.00	1.2	SW
12/4/2024 08:58:00	9.3	6.8	0.0	0.01	0.00	0.00	1.3	SW
12/4/2024 08:59:00	9.3	6.7	0.0	0.01	0.00	0.00	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 09:00:00	9.3	6.8	0.0	0.01	0.00	0.00	1.5	SW
12/4/2024 09:01:00	9.1	6.8	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:02:00	9.1	6.7	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:03:00	9.0	6.7	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:04:00	9.0	6.7	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:05:00	8.9	6.6	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:06:00	8.9	6.6	0.0	0.00	0.00	0.00	1.4	SW
12/4/2024 09:07:00	8.9	6.5	0.0	0.00	0.01	0.00	1.4	SW
12/4/2024 09:08:00	8.7	6.5	0.0	0.00	0.01	0.00	1.4	SW
12/4/2024 09:09:00	8.0	6.5	0.0	0.00	0.01	0.00	1.5	SW
12/4/2024 09:10:00	8.1	6.4	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 09:11:00	8.0	6.4	0.0	0.00	0.01	0.01	1.7	W
12/4/2024 09:12:00	8.0	6.4	0.0	0.00	0.01	0.01	1.8	WSW
12/4/2024 09:13:00	8.0	6.4	0.0	0.00	0.01	0.01	1.8	WSW
12/4/2024 09:14:00	8.0	6.3	0.0	0.00	0.01	0.01	1.8	WSW
12/4/2024 09:15:00	8.0	6.4	0.0	0.00	0.01	0.01	1.5	NW
12/4/2024 09:16:00	8.1	6.6	0.0	0.00	0.01	0.01	1.5	W
12/4/2024 09:17:00	8.6	6.6	0.0	0.00	0.01	0.01	1.5	WSW
12/4/2024 09:18:00	8.9	6.6	0.0	0.00	0.01	0.01	1.6	W
12/4/2024 09:19:00	9.2	6.7	0.0	0.00	0.01	0.01	1.6	SW
12/4/2024 09:20:00	9.3	6.7	0.0	0.00	0.01	0.01	1.7	WSW
12/4/2024 09:21:00	9.3	6.8	0.0	0.00	0.01	0.01	1.8	WSW
12/4/2024 09:22:00	9.4	6.8	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 09:23:00	9.4	6.8	0.0	0.00	0.01	0.01	1.7	WSW
12/4/2024 09:24:00	9.6	6.8	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 09:25:00	9.7	6.9	0.0	0.00	0.01	0.01	1.9	SW
12/4/2024 09:26:00	9.8	7.0	0.0	0.00	0.01	0.01	2.0	SW
12/4/2024 09:27:00	9.8	7.1	0.0	0.00	0.01	0.01	1.9	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 09:28:00	9.8	7.3	0.0	0.00	0.01	0.01	1.8	NNE
12/4/2024 09:29:00	9.8	7.5	0.0	0.00	0.01	0.01	1.6	NE
12/4/2024 09:30:00	9.8	7.5	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 09:31:00	9.7	7.4	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 09:32:00	9.3	7.5	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 09:33:00	9.0	7.7	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 09:34:00	8.7	7.7	0.0	0.00	0.01	0.01	1.8	SW
12/4/2024 09:35:00	8.7	7.8	0.0	0.00	0.02	0.01	1.8	WSW
12/4/2024 09:36:00	8.7	7.9	0.0	0.00	0.02	0.01	1.9	SW
12/4/2024 09:37:00	8.8	8.0	0.0	0.00	0.02	0.01	2.1	SW
12/4/2024 09:38:00	8.9	8.0	0.0	0.01	0.02	0.01	2.2	SW
12/4/2024 09:39:00	8.9	8.1	0.0	0.01	0.02	0.01	2.0	SW
12/4/2024 09:40:00	9.0	8.1	0.0	0.01	0.02	0.01	1.8	SSW
12/4/2024 09:41:00	8.9	8.2	0.0	0.01	0.02	0.01	1.6	ESE
12/4/2024 09:42:00	8.9	8.2	0.0	0.01	0.02	0.01	1.5	SW
12/4/2024 09:43:00	9.0	8.1	0.0	0.01	0.02	0.01	1.7	SW
12/4/2024 09:44:00	9.4	8.0	0.0	0.01	0.02	0.02	1.8	WSW
12/4/2024 09:45:00	9.5	8.0	0.0	0.01	0.02	0.02	1.9	SW
12/4/2024 09:46:00	9.6	7.9	0.0	0.01	0.02	0.02	1.8	W
12/4/2024 09:47:00	9.7	7.8	0.0	0.01	0.02	0.02	1.8	SW
12/4/2024 09:48:00	9.8	7.8	0.0	0.01	0.02	0.01	1.9	SW
12/4/2024 09:49:00	9.8	7.7	0.0	0.01	0.02	0.01	1.8	SW
12/4/2024 09:50:00	9.8	7.6	0.0	0.01	0.02	0.01	1.7	SW
12/4/2024 09:51:00	9.8	7.5	0.0	0.01	0.02	0.01	1.5	NW
12/4/2024 09:52:00	9.8	7.4	0.0	0.01	0.02	0.01	1.3	SW
12/4/2024 09:53:00	9.7	7.3	0.0	0.00	0.02	0.01	1.3	W
12/4/2024 09:54:00	9.7	7.2	0.0	0.00	0.02	0.01	1.3	SW
12/4/2024 09:55:00	9.6	7.1	0.0	0.00	0.02	0.01	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 09:56:00	9.7	6.9	0.0	0.00	0.02	0.02	1.5	SW
12/4/2024 09:57:00	9.7	6.8	0.0	0.00	0.02	0.02	1.5	SSW
12/4/2024 09:58:00	9.6	6.8	0.0	0.00	0.02	0.02	1.4	SW
12/4/2024 09:59:00	9.3	6.7	0.0	0.00	0.02	0.02	1.4	SW
12/4/2024 10:00:00	9.1	6.6	0.0	0.00	0.02	0.02	1.4	SW
12/4/2024 10:01:00	8.9	6.6	0.0	0.00	0.02	0.02	1.6	SW
12/4/2024 10:02:00	8.8	6.6	0.0	0.00	0.02	0.02	1.5	SW
12/4/2024 10:03:00	8.6	6.5	0.0	0.00	0.02	0.02	1.5	SW
12/4/2024 10:04:00	8.4	6.4	0.0	0.00	0.02	0.02	1.6	SW
12/4/2024 10:05:00	8.5	6.4	0.0	0.00	0.02	0.02	1.6	SW
12/4/2024 10:06:00	8.4	7.2	0.0	0.00	0.01	0.01	1.6	E
12/4/2024 10:07:00	9.6	7.2	0.0	0.00	0.01	0.01	1.7	SW
12/4/2024 10:08:00	11.8	7.2	0.0	0.00	0.01	0.01	1.9	SW
12/4/2024 10:09:00	11.8	7.3	0.0	0.00	0.01	0.01	2.0	SSW
12/4/2024 10:10:00	11.7	7.3	0.0	0.00	0.01	0.01	2.0	SW
12/4/2024 10:11:00	11.7	7.3	0.0	0.00	0.01	0.01	2.1	SW
12/4/2024 10:12:00	11.7	7.4	0.0	0.00	0.01	0.01	2.2	WSW
12/4/2024 10:13:00	11.8	7.5	0.0	0.00	0.01	0.01	2.3	WSW
12/4/2024 10:14:00	11.8	7.5	0.0	0.00	0.01	0.01	2.4	SW
12/4/2024 10:15:00	11.9	7.6	0.0	0.00	0.01	0.01	2.3	WSW
12/4/2024 10:16:00	11.9	7.7	0.0	0.00	0.01	0.01	2.2	W
12/4/2024 10:17:00	12.0	7.7	0.0	0.00	0.01	0.01	2.3	WSW
12/4/2024 10:18:00	12.1	7.9	0.0	0.00	0.01	0.01	2.5	SW
12/4/2024 10:19:00	12.2	8.1	0.0	0.00	0.02	0.01	2.5	SW
12/4/2024 10:20:00	12.0	8.3	0.0	0.00	0.02	0.02	2.6	SW
12/4/2024 10:21:00	12.1	7.6	0.0	0.00	0.02	0.02	2.9	SW
12/4/2024 10:22:00	10.7	7.8	0.0	0.00	0.02	0.02	2.9	WSW
12/4/2024 10:23:00	8.5	7.9	0.0	0.00	0.02	0.02	2.7	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 10:24:00	8.4	8.0	0.0	0.00	0.02	0.02	2.7	WSW
12/4/2024 10:25:00	8.3	8.1	0.0	0.00	0.02	0.02	2.7	SW
12/4/2024 10:26:00	8.2	8.1	0.0	0.00	0.02	0.02	2.8	SW
12/4/2024 10:27:00	8.1	8.2	0.1	0.00	0.02	0.02	2.9	SW
12/4/2024 10:28:00	8.0	8.2	0.2	0.00	0.02	0.02	2.8	SSW
12/4/2024 10:29:00	7.9	8.3	0.3	0.00	0.02	0.02	2.8	WSW
12/4/2024 10:30:00	7.9	8.3	0.4	0.00	0.02	0.02	2.8	SW
12/4/2024 10:31:00	7.8	8.4	0.6	0.00	0.02	0.02	3.0	SW
12/4/2024 10:32:00	7.7	8.5	0.8	0.00	0.02	0.02	2.9	SW
12/4/2024 10:33:00	7.6	8.5	0.9	0.00	0.02	0.02	2.9	WSW
12/4/2024 10:34:00	7.5	8.7	1.1	0.00	0.02	0.02	2.8	SW
12/4/2024 10:35:00	7.6	8.5	1.0	0.00	0.02	0.02	2.5	NE
12/4/2024 10:36:00	7.5	8.5	1.0	0.00	0.02	0.02	2.4	W
12/4/2024 10:37:00	7.5	8.6	1.1	0.00	0.02	0.01	2.3	WSW
12/4/2024 10:38:00	7.4	8.5	1.1	0.00	0.02	0.01	2.3	SSW
12/4/2024 10:39:00	7.4	8.4	1.1	0.00	0.01	0.01	2.4	SW
12/4/2024 10:40:00	7.3	8.4	1.1	0.00	0.01	0.01	2.3	SW
12/4/2024 10:41:00	7.3	8.4	1.1	0.00	0.01	0.01	2.2	SW
12/4/2024 10:42:00	7.3	8.3	1.1	0.00	0.01	0.01	2.2	SSW
12/4/2024 10:43:00	7.2	8.3	1.1	0.00	0.01	0.01	2.2	SSW
12/4/2024 10:44:00	7.2	8.3	1.1	0.00	0.01	0.01	2.2	SSW
12/4/2024 10:45:00	7.0	8.2	1.2	0.00	0.01	0.01	2.2	SW
12/4/2024 10:46:00	7.0	8.2	1.2	0.00	0.01	0.01	2.2	SW
12/4/2024 10:47:00	6.9	8.0	1.1	0.00	0.01	0.01	2.1	W
12/4/2024 10:48:00	6.8	7.9	1.0	0.00	0.01	0.01	2.1	WSW
12/4/2024 10:49:00	6.7	7.6	0.9	0.00	0.01	0.01	2.0	WSW
12/4/2024 10:50:00	6.5	7.6	1.1	0.00	0.01	0.01	2.1	W
12/4/2024 10:51:00	6.5	7.5	1.1	0.00	0.01	0.01	2.1	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 10:52:00	6.4	7.6	1.2	0.00	0.01	0.01	2.1	W
12/4/2024 10:53:00	6.3	7.6	1.4	0.00	0.01	0.01	2.1	SW
12/4/2024 10:54:00	6.2	7.8	1.5	0.00	0.01	0.01	2.0	SW
12/4/2024 10:55:00	6.2	7.8	1.6	0.00	0.01	0.01	2.1	WSW
12/4/2024 10:56:00	6.2	7.7	1.6	0.00	0.00	0.00	1.8	N
12/4/2024 10:57:00	6.1	7.6	1.5	0.00	0.00	0.00	1.5	ENE
12/4/2024 10:58:00	6.0	7.6	1.5	0.00	0.00	0.00	1.5	SSW
12/4/2024 10:59:00	6.0	7.5	1.5	0.00	0.00	0.00	1.5	SW
12/4/2024 11:00:00	6.0	7.5	1.5	0.00	0.00	0.00	1.4	SW
12/4/2024 11:01:00	6.0	7.5	1.5	0.00	0.00	0.00	1.2	SSW
12/4/2024 11:02:00	6.0	7.5	1.5	0.00	0.00	0.00	1.2	WSW
12/4/2024 11:03:00	6.0	7.5	1.5	0.00	0.00	0.00	1.2	WNW
12/4/2024 11:04:00	6.0	7.5	1.5	0.00	0.00	0.00	1.2	WSW
12/4/2024 11:05:00	6.1	7.5	1.4	0.00	0.00	0.00	1.2	WSW
12/4/2024 11:06:00	6.1	7.5	1.4	0.00	0.00	0.00	1.2	SW
12/4/2024 11:07:00	6.2	7.5	1.3	0.00	0.00	0.00	1.3	SSW
12/4/2024 11:08:00	6.3	7.5	1.2	0.00	0.00	0.00	1.4	SW
12/4/2024 11:09:00	6.3	7.3	1.1	0.00	0.00	0.00	1.4	SSW
12/4/2024 11:10:00	6.3	7.3	1.0	0.00	0.00	0.00	1.4	SSW
12/4/2024 11:11:00	6.3	7.4	1.1	0.00	0.00	0.00	1.6	SW
12/4/2024 11:12:00	6.4	7.7	1.3	0.00	0.00	0.00	1.8	SSW
12/4/2024 11:13:00	6.4	7.9	1.4	0.00	0.00	0.00	2.1	SSW
12/4/2024 11:14:00	6.5	8.1	1.6	0.00	0.00	0.00	2.2	SW
12/4/2024 11:15:00	6.6	8.2	1.6	0.00	0.00	0.00	2.4	SW
12/4/2024 11:16:00	6.6	8.2	1.6	0.00	0.00	0.00	2.5	SW
12/4/2024 11:17:00	6.6	8.2	1.6	0.00	0.00	0.00	2.5	SW
12/4/2024 11:18:00	6.7	8.3	1.6	0.00	0.00	0.00	2.8	SW
12/4/2024 11:19:00	6.7	8.6	1.9	0.00	0.00	0.00	3.0	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 11:20:00	6.8	9.1	2.4	0.00	0.00	0.00	3.0	SSW
12/4/2024 11:21:00	6.8	9.4	2.5	0.00	0.00	0.00	3.1	SW
12/4/2024 11:22:00	6.9	9.3	2.4	0.00	0.00	0.00	3.2	SW
12/4/2024 11:23:00	6.9	9.5	2.5	0.00	0.00	0.00	3.1	SSW
12/4/2024 11:24:00	6.9	9.7	2.7	0.00	0.00	0.00	3.2	SSW
12/4/2024 11:25:00	7.0	9.8	2.8	0.00	0.00	0.00	3.3	SW
12/4/2024 11:26:00	7.0	9.9	2.9	0.00	0.00	0.00	3.4	SW
12/4/2024 11:27:00	7.0	9.9	2.9	0.00	0.00	0.00	3.3	WSW
12/4/2024 11:28:00	7.0	9.7	2.7	0.00	0.00	0.00	3.1	WSW
12/4/2024 11:29:00	7.0	9.7	2.7	0.00	0.00	0.00	3.0	SW
12/4/2024 11:30:00	6.9	9.7	2.8	0.00	0.00	0.00	2.9	SW
12/4/2024 11:31:00	6.9	9.7	2.8	0.00	0.00	0.00	3.0	SW
12/4/2024 11:32:00	7.0	9.8	2.8	0.00	0.00	0.00	3.0	SW
12/4/2024 11:33:00	6.9	9.9	3.0	0.00	0.00	0.00	2.7	W
12/4/2024 11:34:00	6.9	9.8	2.9	0.00	0.00	0.00	2.7	SW
12/4/2024 11:35:00	6.9	9.3	2.5	0.00	0.00	0.00	2.6	WNW
12/4/2024 11:36:00	6.8	9.1	2.3	0.00	0.00	0.00	2.6	SW
12/4/2024 11:37:00	6.8	9.0	2.3	0.00	0.00	0.00	2.4	SSW
12/4/2024 11:38:00	6.7	8.8	2.0	0.00	0.00	0.00	2.6	SW
12/4/2024 11:39:00	6.6	8.5	1.9	0.00	0.00	0.00	2.5	SW
12/4/2024 11:40:00	6.5	8.3	1.7	0.00	0.00	0.00	2.5	SW
12/4/2024 11:41:00	6.5	8.1	1.7	0.00	0.00	0.00	2.7	SW
12/4/2024 11:42:00	6.5	8.0	1.5	0.00	0.00	0.00	2.6	SSW
12/4/2024 11:43:00	6.5	8.0	1.5	0.00	0.00	0.00	2.7	SSW
12/4/2024 11:44:00	6.4	7.7	1.3	0.00	0.00	0.00	2.8	SW
12/4/2024 11:45:00	6.4	7.6	1.2	0.00	0.00	0.00	2.7	WSW
12/4/2024 11:46:00	6.3	7.5	1.2	0.00	0.00	0.00	2.7	SW
12/4/2024 11:47:00	6.3	7.4	1.1	0.00	0.00	0.00	2.6	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 11:48:00	6.2	7.1	0.8	0.00	0.00	0.00	2.8	SW
12/4/2024 11:49:00	6.2	6.9	0.7	0.00	0.00	0.00	2.7	S
12/4/2024 11:50:00	6.1	6.7	0.6	0.00	0.00	0.00	2.7	SSW
12/4/2024 11:51:00	6.0	6.7	0.6	0.00	0.00	0.00	2.9	SSW
12/4/2024 11:52:00	5.9	6.5	0.6	0.00	0.00	0.00	2.8	SW
12/4/2024 11:53:00	5.9	6.5	0.6	0.00	0.00	0.00	2.7	SW
12/4/2024 11:54:00	5.8	6.5	0.6	0.00	0.00	0.00	2.7	SW
12/4/2024 11:55:00	5.8	6.4	0.6	0.00	0.00	0.00	2.7	SSW
12/4/2024 11:56:00	5.8	6.4	0.6	0.00	0.00	0.00	2.6	WSW
12/4/2024 11:57:00	5.7	6.3	0.6	0.00	0.00	0.00	2.7	SW
12/4/2024 11:58:00	5.6	6.2	0.5	0.00	0.00	0.00	2.5	WNW
12/4/2024 11:59:00	5.6	6.1	0.5	0.00	0.00	0.00	2.5	WSW
12/4/2024 12:00:00	5.7	6.0	0.3	0.00	0.00	0.00	2.3	NW
12/4/2024 12:01:00	5.8	5.9	0.2	0.00	0.00	0.00	2.2	SSW
12/4/2024 12:02:00	5.8	6.0	0.2	0.00	0.00	0.00	2.4	SW
12/4/2024 12:03:00	5.8	5.9	0.1	0.00	0.00	0.00	2.2	WSW
12/4/2024 12:04:00	5.8	5.9	0.1	0.00	0.00	0.00	2.4	WSW
12/4/2024 12:05:00	5.9	5.9	0.0	0.00	0.00	0.00	2.5	SSW
12/4/2024 12:06:00	5.9	5.8	0.0	0.00	0.00	0.00	2.3	NW
12/4/2024 12:07:00	6.0	5.8	0.0	0.00	0.00	0.00	2.2	SW
12/4/2024 12:08:00	6.0	5.8	0.0	0.00	0.00	0.00	1.9	NE
12/4/2024 12:09:00	6.1	5.8	0.0	0.00	0.00	0.00	1.8	SW
12/4/2024 12:10:00	6.2	5.8	0.0	0.00	0.00	0.00	1.8	W
12/4/2024 12:11:00	6.2	5.8	0.0	0.00	0.00	0.00	1.8	SW
12/4/2024 12:12:00	6.3	6.0	0.0	0.00	0.00	0.00	2.0	WSW
12/4/2024 12:13:00	6.3	6.0	0.0	0.00	0.00	0.00	2.0	WSW
12/4/2024 12:14:00	6.4	6.0	0.0	0.00	0.00	0.00	1.9	S
12/4/2024 12:15:00	6.4	6.3	0.0	0.00	0.00	0.00	2.1	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 12:16:00	6.4	6.4	0.0	0.00	0.00	0.00	2.1	SSW
12/4/2024 12:17:00	6.3	6.5	0.2	0.00	0.00	0.00	2.1	SW
12/4/2024 12:18:00	6.3	6.6	0.3	0.00	0.00	0.00	2.1	SW
12/4/2024 12:19:00	6.3	6.7	0.4	0.00	0.00	0.00	2.1	SW
12/4/2024 12:20:00	6.3	7.0	0.6	0.00	0.00	0.00	2.2	SW
12/4/2024 12:21:00	6.3	7.1	0.8	0.00	0.00	0.00	2.5	SSW
12/4/2024 12:22:00	6.4	7.6	1.2	0.00	0.00	0.00	2.4	WSW
12/4/2024 12:23:00	6.6	7.8	1.2	0.00	0.00	0.00	2.6	W
12/4/2024 12:24:00	6.6	8.1	1.5	0.00	0.00	0.00	2.6	SW
12/4/2024 12:25:00	6.7	8.2	1.5	0.00	0.00	0.00	2.7	SW
12/4/2024 12:26:00	6.8	8.2	1.4	0.00	0.00	0.00	2.7	SSW
12/4/2024 12:27:00	6.8	8.2	1.4	0.00	0.00	0.00	2.7	SW
12/4/2024 12:28:00	6.8	8.2	1.3	0.00	0.00	0.00	2.8	SW
12/4/2024 12:29:00	6.9	8.2	1.3	0.00	0.00	0.00	2.9	SSW
12/4/2024 12:30:00	6.9	8.1	1.1	0.00	0.00	0.00	3.0	SW
12/4/2024 12:31:00	7.0	8.1	1.1	0.00	0.00	0.00	3.3	SW
12/4/2024 12:32:00	7.0	8.0	1.0	0.00	0.00	0.00	3.4	SW
12/4/2024 12:33:00	7.0	8.2	1.2	0.00	0.00	0.00	3.4	SW
12/4/2024 12:34:00	7.1	8.4	1.2	0.00	0.00	0.00	3.4	WSW
12/4/2024 12:35:00	7.1	8.2	1.0	0.00	0.00	0.00	3.3	SW
12/4/2024 12:36:00	7.1	8.1	0.9	0.00	0.00	0.00	3.2	SW
12/4/2024 12:37:00	7.0	7.7	0.7	0.00	0.00	0.00	3.5	SSW
12/4/2024 12:38:00	6.9	7.6	0.8	0.00	0.00	0.00	3.5	SSW
12/4/2024 12:39:00	6.8	7.3	0.5	0.00	0.00	0.00	3.6	SW
12/4/2024 12:40:00	6.7	7.3	0.7	0.00	0.00	0.00	3.6	SW
12/4/2024 12:41:00	6.6	7.4	0.8	0.00	0.00	0.00	3.3	SW
12/4/2024 12:42:00	6.5	7.4	0.9	0.00	0.00	0.00	3.4	WSW
12/4/2024 12:43:00	6.5	7.5	1.0	0.00	0.00	0.00	3.4	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/4/2024 12:44:00	6.4	7.6	1.2	0.00	0.00	0.00	3.2	SSW
12/4/2024 12:45:00	6.4	7.8	1.4	0.00	0.00	0.00	2.9	SSW
12/4/2024 12:46:00	6.4	8.0	1.6	0.00	0.00	0.00	2.6	SSW
12/4/2024 12:47:00	6.3	8.2	1.8	0.00	0.00	0.00	2.5	SW
12/4/2024 12:48:00	6.3	8.0	1.6	0.00	0.00	0.00	2.5	SW
12/4/2024 12:49:00	6.3	7.8	1.5	0.00	0.00	0.00	2.4	SW
12/4/2024 12:50:00	6.3	7.8	1.5	0.00	0.00	0.00	2.5	SW
12/4/2024 12:51:00	6.3	7.8	1.5	0.00	0.00	0.00	2.5	SW
12/4/2024 12:52:00	6.3	7.8	1.5	0.00	0.00	0.00	2.3	SW
12/4/2024 12:53:00	6.3	7.6	1.3	0.00	0.00	0.00	2.3	WSW
12/4/2024 12:54:00	6.4	7.5	1.1	0.00	0.00	0.00	2.3	SW
12/4/2024 12:55:00	6.5	7.5	1.0	0.00	0.00	0.00	2.5	SW
12/4/2024 12:56:00	6.6	7.5	0.9	0.00	0.00	0.00	2.7	SW
12/4/2024 12:57:00	6.6	7.3	0.7	0.00	0.00	0.00	2.6	WSW
12/4/2024 12:58:00	6.6	7.3	0.6	0.00	0.00	0.00	2.7	SW
12/4/2024 12:59:00	6.7	7.1	0.5	0.00	0.00	0.00	2.9	SW
12/4/2024 13:00:00	6.7	6.9	0.2	0.00	0.00	0.00	3.1	SW
12/4/2024 13:01:00	6.7	6.6	0.0	0.00	0.00	0.00	3.1	SW
12/4/2024 13:02:00	6.7	6.4	0.0	0.00	0.00	0.00	3.2	SW
12/4/2024 13:03:00	6.7	6.3	0.0	0.00	0.00	0.00	3.2	SW
12/4/2024 13:04:00							3.2	W

DAILY FIELD REPORT 159

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 5, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon imported one load of 3- to 5-inch rip rap stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon excavated an about 15-foot-long by 15-foot-wide area to about 8-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odor and a maximum PID reading of 9.4 parts per million (ppm) were observed. A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin. Odor suppressant foam was applied as needed to mitigate odor during excavation and stockpiling.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon replaced oil absorbent booms south of Structure 4 in the south-central part of the site.
    - Spent oil absorbent booms were placed in 55-gallon drums in the eastern part of the site for future off-site disposal.

Material Tracking:

- Trevcon imported two loads of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon imported one load of 3- to 5-inch rip rap stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cells [WC-Structure 4 [0-10 feet bgs] to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	2	**78**
	Quantity (CY)	40	**1540**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	1	**32**
		Quantity (CY)	20	**630**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	2	**38**
		Quantity (CY)	40	**800**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

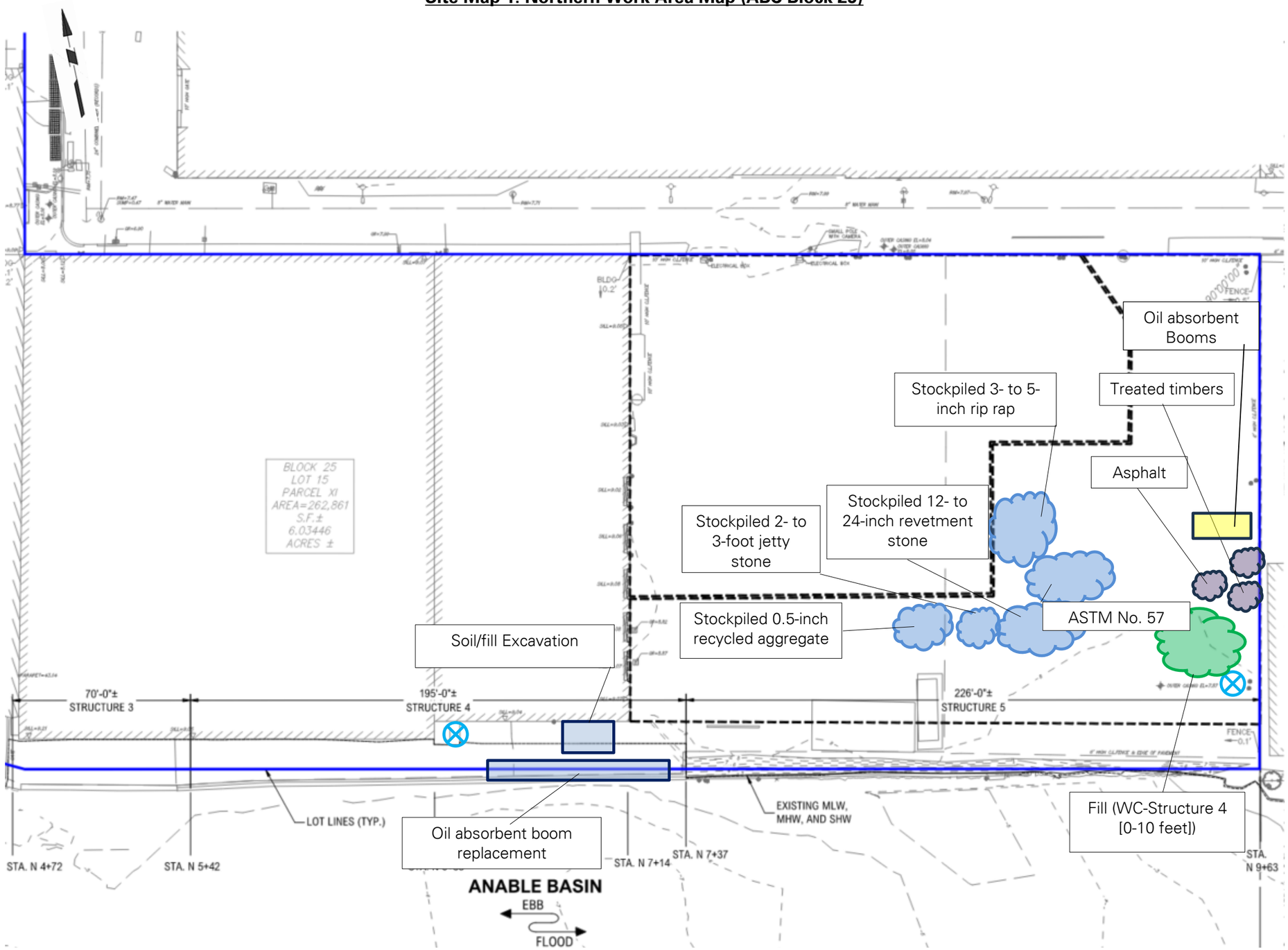
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

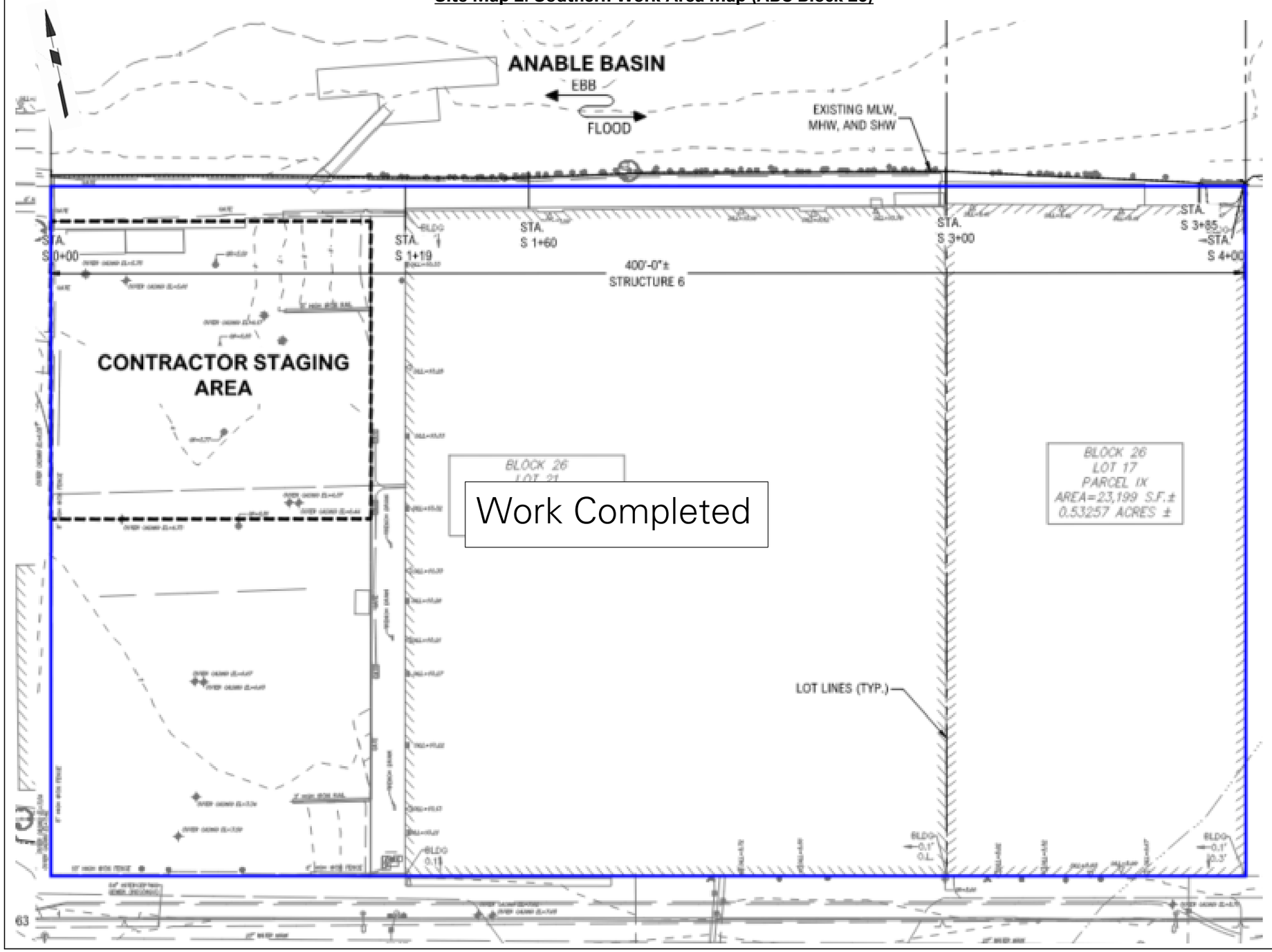


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.05 - Anable Basin Bulkhead Stabilization - Day 159

Site Map 2: Southern Work Area Map (ABC Block 26)



Work Completed

LEGEND

Approximate Site Boundary

General Area of Work

File Name: 2024.12.05 - Anable Basin Bulkhead Stabilization - Day 159

Photo Log

Photo 1: Trevcon exporting non-hazardous fill/soil in tri-axle trucks with valid Part 364 permits in the eastern part of ABC Block 25 (facing south)	
Photo 2: Trevcon storing spent oil absorbent booms in 55-gallon drums for future off-site disposal (facing south).	

File Name: 2024.12.05 - Anable Basin Bulkhead Stabilization - Day 159

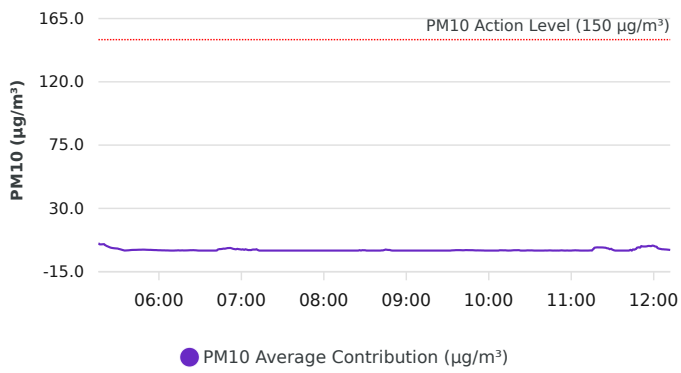
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/5/2024 04:00
		To:	12/5/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/5/2024	0.4-7.4	WNW

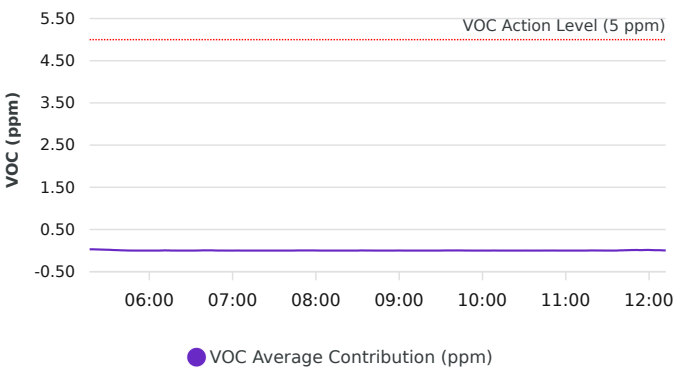
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/5/2024	0.0	06:09	0.00	05:47
Max Contribution (15 min avg.) - 12/5/2024	5.1	05:16	0.03	05:17



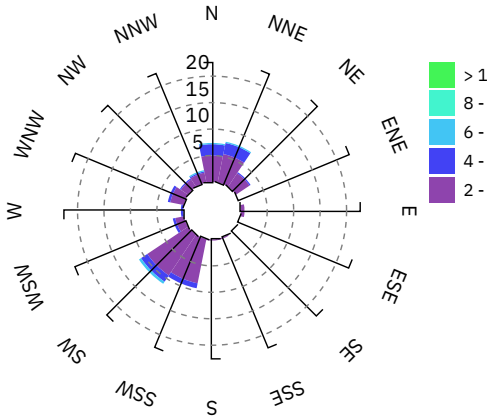
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 05:14:00							3.0	N
12/5/2024 05:15:00							0.7	SSW
12/5/2024 05:16:00	12.0	17.1	5.1				0.3	SSW
12/5/2024 05:17:00	11.6	16.1	4.4	0.00	0.03	0.03	0.4	SW
12/5/2024 05:18:00	11.3	15.7	4.4	0.00	0.03	0.03	0.6	SSW
12/5/2024 05:19:00	11.1	15.6	4.5	0.00	0.03	0.03	0.9	SW
12/5/2024 05:20:00	10.9	15.4	4.5	0.00	0.03	0.03	0.9	SW
12/5/2024 05:21:00	10.8	14.6	3.8	0.00	0.03	0.03	0.9	SSW
12/5/2024 05:22:00	10.7	14.0	3.3	0.00	0.03	0.03	0.9	W
12/5/2024 05:23:00	10.6	13.4	2.9	0.00	0.03	0.03	1.0	WSW
12/5/2024 05:24:00	10.6	13.0	2.4	0.00	0.03	0.03	1.1	SSW
12/5/2024 05:25:00	10.5	12.6	2.1	0.00	0.02	0.02	1.0	SW
12/5/2024 05:26:00	10.4	12.3	1.9	0.00	0.02	0.02	1.0	SSW
12/5/2024 05:27:00	10.3	12.1	1.7	0.00	0.02	0.02	1.0	NW
12/5/2024 05:28:00	10.3	11.8	1.6	0.00	0.02	0.02	1.0	SW
12/5/2024 05:29:00	10.1	11.7	1.5	0.00	0.02	0.02	1.2	SW
12/5/2024 05:30:00	10.0	11.5	1.4	0.00	0.02	0.02	1.2	SW
12/5/2024 05:31:00	9.8	10.9	1.1	0.00	0.02	0.02	1.3	SW
12/5/2024 05:32:00	9.6	10.5	0.9	0.00	0.02	0.02	1.3	SSW
12/5/2024 05:33:00	9.5	10.1	0.6	0.00	0.01	0.01	1.3	S
12/5/2024 05:34:00	9.4	9.7	0.3	0.00	0.01	0.01	1.5	SW
12/5/2024 05:35:00	9.2	9.3	0.0	0.00	0.01	0.01	1.6	SW
12/5/2024 05:36:00	9.1	9.2	0.1	0.00	0.01	0.01	1.7	SW
12/5/2024 05:37:00	8.9	9.1	0.1	0.00	0.01	0.01	1.8	SSW
12/5/2024 05:38:00	8.8	9.0	0.2	0.00	0.01	0.01	1.8	WSW
12/5/2024 05:39:00	8.6	8.9	0.3	0.00	0.01	0.01	1.8	SW
12/5/2024 05:40:00	8.4	8.9	0.4	0.00	0.01	0.01	1.9	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 05:41:00	8.3	8.8	0.5	0.00	0.01	0.01	2.0	SSW
12/5/2024 05:42:00	8.2	8.7	0.5	0.00	0.01	0.01	2.1	S
12/5/2024 05:43:00	8.1	8.6	0.5	0.00	0.01	0.00	2.0	SW
12/5/2024 05:44:00	8.0	8.5	0.5	0.00	0.00	0.00	2.0	SSW
12/5/2024 05:45:00	7.9	8.5	0.6	0.00	0.00	0.00	2.0	SSW
12/5/2024 05:46:00	7.8	8.4	0.6	0.00	0.00	0.00	1.9	SW
12/5/2024 05:47:00	7.7	8.3	0.6	0.00	0.00	0.00	2.0	SW
12/5/2024 05:48:00	7.6	8.3	0.7	0.00	0.00	0.00	2.0	WSW
12/5/2024 05:49:00	7.5	8.2	0.7	0.00	0.00	0.00	1.7	SSW
12/5/2024 05:50:00	7.5	8.1	0.6	0.00	0.00	0.00	1.7	WSW
12/5/2024 05:51:00	7.4	8.0	0.6	0.01	0.00	0.00	1.8	SSW
12/5/2024 05:52:00	7.3	7.9	0.5	0.01	0.00	0.00	1.8	WSW
12/5/2024 05:53:00	7.3	7.8	0.5	0.01	0.00	0.00	1.7	SSW
12/5/2024 05:54:00	7.2	7.7	0.5	0.01	0.00	0.00	1.7	SW
12/5/2024 05:55:00	7.2	7.7	0.4	0.01	0.00	0.00	1.7	SW
12/5/2024 05:56:00	7.2	7.6	0.4	0.01	0.00	0.00	1.7	SSW
12/5/2024 05:57:00	7.2	7.5	0.3	0.01	0.00	0.00	1.9	SSW
12/5/2024 05:58:00	7.1	7.5	0.3	0.01	0.00	0.00	1.6	NNE
12/5/2024 05:59:00	7.1	7.3	0.3	0.01	0.00	0.00	1.5	N
12/5/2024 06:00:00	7.0	7.3	0.2	0.01	0.01	0.00	1.3	NE
12/5/2024 06:01:00	7.0	7.2	0.2	0.01	0.01	0.00	1.1	NE
12/5/2024 06:02:00	7.0	7.1	0.2	0.01	0.01	0.00	1.0	WNW
12/5/2024 06:03:00	6.9	7.1	0.1	0.01	0.01	0.00	0.9	SE
12/5/2024 06:04:00	6.9	7.0	0.2	0.01	0.01	0.00	0.8	NE
12/5/2024 06:05:00	6.9	7.0	0.1	0.01	0.01	0.00	0.8	SSW
12/5/2024 06:06:00	6.9	7.0	0.1	0.01	0.01	0.00	0.5	NNE
12/5/2024 06:07:00	6.9	7.0	0.1	0.01	0.01	0.00	0.2	NNW
12/5/2024 06:08:00	6.9	7.0	0.0	0.01	0.01	0.00	0.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 06:09:00	6.9	6.9	0.0	0.01	0.01	0.00	0.5	NNE
12/5/2024 06:10:00	6.9	6.8	0.0	0.01	0.01	0.00	0.6	NW
12/5/2024 06:11:00	6.8	6.8	0.0	0.01	0.01	0.01	0.9	N
12/5/2024 06:12:00	6.8	6.9	0.1	0.01	0.01	0.01	1.4	NNE
12/5/2024 06:13:00	6.8	6.8	0.1	0.01	0.01	0.00	1.4	N
12/5/2024 06:14:00	6.7	6.9	0.2	0.01	0.01	0.00	1.7	NNE
12/5/2024 06:15:00	6.7	6.8	0.1	0.01	0.01	0.00	1.7	NW
12/5/2024 06:16:00	6.7	6.8	0.1	0.01	0.01	0.00	1.5	S
12/5/2024 06:17:00	6.7	6.8	0.2	0.01	0.01	0.00	1.5	NE
12/5/2024 06:18:00	6.7	6.8	0.1	0.01	0.01	0.00	1.5	SW
12/5/2024 06:19:00	6.7	6.8	0.1	0.01	0.01	0.00	1.7	NNE
12/5/2024 06:20:00	6.7	6.8	0.1	0.01	0.01	0.00	2.2	N
12/5/2024 06:21:00	6.6	6.8	0.1	0.01	0.01	0.00	2.4	NNE
12/5/2024 06:22:00	6.6	6.8	0.2	0.01	0.01	0.00	2.5	NNE
12/5/2024 06:23:00	6.5	6.8	0.3	0.01	0.01	0.00	2.4	NE
12/5/2024 06:24:00	6.5	6.8	0.2	0.01	0.01	0.00	2.1	SW
12/5/2024 06:25:00	6.5	6.8	0.3	0.01	0.01	0.00	2.1	NE
12/5/2024 06:26:00	6.6	6.8	0.2	0.01	0.00	0.00	2.1	N
12/5/2024 06:27:00	6.6	6.8	0.2	0.01	0.01	0.00	2.1	NNE
12/5/2024 06:28:00	6.7	6.8	0.1	0.01	0.01	0.00	1.9	N
12/5/2024 06:29:00	6.8	6.7	0.0	0.01	0.01	0.00	1.8	N
12/5/2024 06:30:00	6.8	6.7	0.0	0.01	0.01	0.00	1.8	NW
12/5/2024 06:31:00	6.8	6.7	0.0	0.01	0.01	0.00	2.2	N
12/5/2024 06:32:00	6.9	6.6	0.0	0.01	0.01	0.00	2.3	N
12/5/2024 06:33:00	6.9	6.7	0.0	0.01	0.01	0.00	2.5	NNW
12/5/2024 06:34:00	7.0	6.6	0.0	0.01	0.01	0.00	2.2	W
12/5/2024 06:35:00	7.0	6.6	0.0	0.01	0.01	0.00	1.8	SSW
12/5/2024 06:36:00	7.0	6.6	0.0	0.01	0.01	0.00	1.5	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 06:37:00	6.9	6.6	0.0	0.01	0.01	0.00	1.4	NE
12/5/2024 06:38:00	6.9	6.6	0.0	0.01	0.01	0.01	1.4	NNE
12/5/2024 06:39:00	6.8	6.7	0.0	0.01	0.01	0.01	1.6	ENE
12/5/2024 06:40:00	6.8	6.7	0.0	0.01	0.01	0.01	1.5	ENE
12/5/2024 06:41:00	6.8	6.8	0.0	0.01	0.01	0.01	1.3	SSW
12/5/2024 06:42:00	6.8	6.8	0.1	0.01	0.01	0.01	1.2	NE
12/5/2024 06:43:00	6.6	7.4	0.8	0.00	0.01	0.01	1.1	NE
12/5/2024 06:44:00	6.6	7.6	1.1	0.00	0.01	0.01	1.1	NE
12/5/2024 06:45:00	6.6	7.6	1.1	0.00	0.01	0.01	1.2	N
12/5/2024 06:46:00	6.5	7.7	1.2	0.01	0.01	0.00	1.0	NNE
12/5/2024 06:47:00	6.4	7.8	1.4	0.01	0.01	0.00	0.9	E
12/5/2024 06:48:00	6.5	7.8	1.3	0.01	0.01	0.00	0.7	SSW
12/5/2024 06:49:00	6.4	7.9	1.6	0.01	0.01	0.00	0.8	NNE
12/5/2024 06:50:00	6.3	8.1	1.8	0.01	0.01	0.00	1.0	NE
12/5/2024 06:51:00	6.3	8.1	1.8	0.01	0.01	0.00	0.9	ESE
12/5/2024 06:52:00	6.3	8.2	1.9	0.01	0.01	0.00	0.8	NNE
12/5/2024 06:53:00	6.5	8.1	1.6	0.01	0.01	0.00	0.6	SSW
12/5/2024 06:54:00	6.8	8.0	1.2	0.00	0.01	0.00	0.5	SSW
12/5/2024 06:55:00	6.9	7.9	1.1	0.00	0.00	0.00	0.4	SW
12/5/2024 06:56:00	6.9	7.8	0.9	0.00	0.00	0.00	0.4	W
12/5/2024 06:57:00	6.9	8.2	1.2	0.00	0.00	0.00	0.5	NE
12/5/2024 06:58:00	7.0	8.0	1.0	0.00	0.00	0.00	0.5	ENE
12/5/2024 06:59:00	7.0	7.8	0.9	0.00	0.00	0.00	0.3	S
12/5/2024 07:00:00	7.1	7.8	0.7	0.00	0.00	0.00	0.2	SSW
12/5/2024 07:01:00	7.1	8.0	0.9	0.00	0.00	0.00	0.2	NNE
12/5/2024 07:02:00	7.3	7.8	0.5	0.00	0.00	0.00	0.2	SSW
12/5/2024 07:03:00	7.1	8.0	0.9	0.00	0.00	0.00	0.1	NNE
12/5/2024 07:04:00	7.2	7.8	0.6	0.00	0.00	0.00	0.2	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 07:05:00	7.3	7.7	0.3	0.00	0.00	0.00	0.4	SW
12/5/2024 07:06:00	7.3	7.7	0.4	0.00	0.00	0.00	0.5	S
12/5/2024 07:07:00	7.3	7.7	0.3	0.00	0.00	0.00	0.4	NE
12/5/2024 07:08:00	7.2	7.8	0.7	0.00	0.00	0.00	0.4	S
12/5/2024 07:09:00	7.1	7.8	0.8	0.00	0.00	0.00	0.5	SW
12/5/2024 07:10:00	7.2	7.9	0.7	0.00	0.00	0.00	0.6	SSW
12/5/2024 07:11:00	7.1	8.0	0.9	0.00	0.00	0.00	0.7	S
12/5/2024 07:12:00	7.2	7.6	0.4	0.00	0.00	0.00	1.2	SW
12/5/2024 07:13:00	7.4	7.3	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 07:14:00	7.6	7.2	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 07:15:00	7.4	7.4	0.0	0.00	0.00	0.00	1.3	NE
12/5/2024 07:16:00	7.6	7.4	0.0	0.00	0.00	0.00	1.3	NNE
12/5/2024 07:17:00	7.8	7.5	0.0	0.00	0.00	0.00	1.3	SSW
12/5/2024 07:18:00	8.1	7.3	0.0	0.00	0.00	0.00	1.6	WSW
12/5/2024 07:19:00	8.2	7.4	0.0	0.00	0.00	0.00	1.6	SSW
12/5/2024 07:20:00	8.2	7.5	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 07:21:00	8.3	7.4	0.0	0.00	0.00	0.00	1.6	SW
12/5/2024 07:22:00	8.4	7.3	0.0	0.00	0.00	0.00	1.8	SW
12/5/2024 07:23:00	8.6	7.2	0.0	0.00	0.00	0.00	2.0	SW
12/5/2024 07:24:00	8.6	7.3	0.0	0.00	0.00	0.00	1.6	NE
12/5/2024 07:25:00	8.5	8.1	0.0	0.00	0.00	0.00	1.5	SW
12/5/2024 07:26:00	8.5	8.1	0.0	0.00	0.00	0.00	1.5	S
12/5/2024 07:27:00	8.6	8.1	0.0	0.00	0.00	0.00	1.1	W
12/5/2024 07:28:00	8.5	8.0	0.0	0.00	0.00	0.00	1.1	SSW
12/5/2024 07:29:00	8.5	8.0	0.0	0.00	0.00	0.00	1.2	SSW
12/5/2024 07:30:00	8.6	7.9	0.0	0.00	0.00	0.00	1.4	SW
12/5/2024 07:31:00	8.5	7.6	0.0	0.00	0.00	0.00	1.8	SW
12/5/2024 07:32:00	8.3	7.6	0.0	0.00	0.00	0.00	2.0	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 07:33:00	8.2	7.5	0.0	0.00	0.00	0.00	1.9	SSW
12/5/2024 07:34:00	8.0	7.6	0.0	0.00	0.00	0.00	1.9	S
12/5/2024 07:35:00	8.0	7.6	0.0	0.00	0.00	0.00	2.0	SW
12/5/2024 07:36:00	8.0	7.5	0.0	0.00	0.00	0.00	1.9	SSW
12/5/2024 07:37:00	8.0	7.5	0.0	0.00	0.00	0.00	1.9	SW
12/5/2024 07:38:00	8.0	7.5	0.0	0.00	0.00	0.00	1.9	SSW
12/5/2024 07:39:00	7.9	7.4	0.0	0.00	0.00	0.00	2.3	SSW
12/5/2024 07:40:00	7.9	6.5	0.0	0.00	0.00	0.00	2.4	SW
12/5/2024 07:41:00	8.0	6.4	0.0	0.00	0.00	0.00	2.4	SSW
12/5/2024 07:42:00	7.9	6.4	0.0	0.00	0.00	0.00	2.5	SSW
12/5/2024 07:43:00	8.0	6.5	0.0	0.00	0.00	0.00	2.5	SSW
12/5/2024 07:44:00	8.0	6.4	0.0	0.00	0.00	0.00	2.4	SSW
12/5/2024 07:45:00	8.0	6.5	0.0	0.00	0.00	0.00	2.3	SW
12/5/2024 07:46:00	8.0	6.5	0.0	0.00	0.00	0.00	2.0	NNW
12/5/2024 07:47:00	8.0	6.5	0.0	0.00	0.00	0.00	1.7	NW
12/5/2024 07:48:00	8.0	6.8	0.0	0.00	0.00	0.00	1.6	WSW
12/5/2024 07:49:00	8.1	6.8	0.0	0.00	0.00	0.00	1.5	E
12/5/2024 07:50:00	8.1	6.8	0.0	0.00	0.00	0.00	1.5	SW
12/5/2024 07:51:00	8.0	6.8	0.0	0.00	0.00	0.00	1.5	SW
12/5/2024 07:52:00	8.0	6.8	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 07:53:00	8.0	6.7	0.0	0.00	0.00	0.00	1.4	SW
12/5/2024 07:54:00	8.0	6.6	0.0	0.00	0.00	0.00	1.3	SW
12/5/2024 07:55:00	8.0	6.6	0.0	0.00	0.00	0.00	1.4	SW
12/5/2024 07:56:00	8.0	6.6	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 07:57:00	8.0	6.6	0.0	0.00	0.00	0.00	1.5	WNW
12/5/2024 07:58:00	7.8	6.5	0.0	0.00	0.00	0.00	1.5	SW
12/5/2024 07:59:00	7.9	6.5	0.0	0.00	0.00	0.00	1.5	SSW
12/5/2024 08:00:00	7.9	6.4	0.0	0.00	0.00	0.00	1.6	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 08:01:00	8.0	6.4	0.0	0.00	0.00	0.00	1.8	WNW
12/5/2024 08:02:00	7.8	6.5	0.0	0.00	0.00	0.00	1.7	NNE
12/5/2024 08:03:00	7.7	6.5	0.0	0.00	0.00	0.00	1.5	NE
12/5/2024 08:04:00	7.9	6.4	0.0	0.00	0.00	0.00	1.5	N
12/5/2024 08:05:00	7.9	6.5	0.0	0.00	0.00	0.00	1.4	SW
12/5/2024 08:06:00	8.0	6.5	0.0	0.00	0.00	0.00	1.4	WNW
12/5/2024 08:07:00	8.1	6.5	0.0	0.00	0.00	0.00	1.3	NNW
12/5/2024 08:08:00	8.1	6.5	0.0	0.00	0.00	0.00	1.2	NNW
12/5/2024 08:09:00	8.2	6.6	0.0	0.00	0.00	0.00	1.2	SSW
12/5/2024 08:10:00	8.2	6.6	0.0	0.00	0.00	0.00	1.0	SSW
12/5/2024 08:11:00	8.2	6.6	0.0	0.00	0.00	0.00	1.0	WSW
12/5/2024 08:12:00	8.1	6.8	0.0	0.00	0.00	0.00	0.7	E
12/5/2024 08:13:00	8.2	6.8	0.0	0.00	0.00	0.00	0.6	WSW
12/5/2024 08:14:00	8.2	6.9	0.0	0.00	0.00	0.00	0.7	SSW
12/5/2024 08:15:00	8.2	6.9	0.0	0.00	0.00	0.00	0.6	SSW
12/5/2024 08:16:00	8.0	7.1	0.0	0.00	0.00	0.00	0.5	SSE
12/5/2024 08:17:00	8.1	7.1	0.0	0.00	0.00	0.00	0.5	E
12/5/2024 08:18:00	8.2	6.8	0.0	0.00	0.00	0.00	0.8	SW
12/5/2024 08:19:00	8.1	6.9	0.0	0.00	0.00	0.00	1.0	SSW
12/5/2024 08:20:00	8.0	7.0	0.0	0.00	0.00	0.00	0.8	NE
12/5/2024 08:21:00	7.9	7.2	0.0	0.00	0.00	0.00	0.7	NNE
12/5/2024 08:22:00	7.8	7.2	0.0	0.00	0.00	0.00	0.7	NNW
12/5/2024 08:23:00	7.7	7.3	0.0	0.00	0.00	0.00	0.7	NNE
12/5/2024 08:24:00	7.7	7.4	0.0	0.00	0.00	0.00	0.6	SW
12/5/2024 08:25:00	7.6	7.5	0.0	0.00	0.00	0.00	0.5	NNE
12/5/2024 08:26:00	7.4	7.7	0.3	0.00	0.00	0.00	0.3	NNE
12/5/2024 08:27:00	7.6	7.6	0.0	0.00	0.00	0.00	0.2	NNW
12/5/2024 08:28:00	7.5	7.7	0.3	0.00	0.00	0.00	0.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 08:29:00	7.4	7.7	0.2	0.00	0.00	0.00	0.5	N
12/5/2024 08:30:00	7.4	7.7	0.2	0.00	0.00	0.00	0.8	N
12/5/2024 08:31:00	7.6	7.6	0.0	0.00	0.01	0.00	0.8	SSW
12/5/2024 08:32:00	7.7	7.4	0.0	0.00	0.01	0.00	1.0	WNW
12/5/2024 08:33:00	7.7	7.4	0.0	0.00	0.01	0.00	1.2	NNW
12/5/2024 08:34:00	7.6	7.5	0.0	0.00	0.01	0.00	1.4	NE
12/5/2024 08:35:00	7.6	7.5	0.0	0.01	0.01	0.00	1.4	NE
12/5/2024 08:36:00	7.6	7.6	0.0	0.01	0.01	0.00	1.3	ENE
12/5/2024 08:37:00	7.6	7.5	0.0	0.01	0.01	0.00	1.2	SSW
12/5/2024 08:38:00	7.7	7.4	0.0	0.00	0.01	0.00	1.5	N
12/5/2024 08:39:00	7.6	7.5	0.0	0.00	0.01	0.00	1.7	NNE
12/5/2024 08:40:00	7.6	7.5	0.0	0.00	0.01	0.00	1.7	NE
12/5/2024 08:41:00	7.6	7.5	0.0	0.00	0.01	0.00	1.8	N
12/5/2024 08:42:00	7.5	7.6	0.1	0.01	0.01	0.00	1.9	NNE
12/5/2024 08:43:00	7.5	7.6	0.1	0.01	0.01	0.00	1.9	NE
12/5/2024 08:44:00	7.3	7.8	0.4	0.01	0.00	0.00	1.6	ENE
12/5/2024 08:45:00	7.2	7.9	0.7	0.01	0.00	0.00	1.4	S
12/5/2024 08:46:00	7.4	7.9	0.5	0.01	0.00	0.00	1.4	SW
12/5/2024 08:47:00	7.5	7.9	0.4	0.01	0.00	0.00	1.3	SSW
12/5/2024 08:48:00	7.5	7.9	0.4	0.01	0.00	0.00	1.3	N
12/5/2024 08:49:00	7.7	7.8	0.1	0.01	0.00	0.00	1.0	SSW
12/5/2024 08:50:00	7.8	7.6	0.0	0.01	0.00	0.00	0.7	WSW
12/5/2024 08:51:00	8.0	7.5	0.0	0.00	0.00	0.00	0.7	WSW
12/5/2024 08:52:00	8.1	7.5	0.0	0.00	0.00	0.00	0.6	SW
12/5/2024 08:53:00	7.9	7.6	0.0	0.00	0.00	0.00	0.3	E
12/5/2024 08:54:00	8.1	7.5	0.0	0.00	0.00	0.00	0.2	SW
12/5/2024 08:55:00	8.2	7.3	0.0	0.00	0.00	0.00	0.2	N
12/5/2024 08:56:00	8.2	7.3	0.0	0.00	0.00	0.00	0.3	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 08:57:00	8.3	7.2	0.0	0.00	0.00	0.00	0.7	SSW
12/5/2024 08:58:00	8.4	7.1	0.0	0.00	0.00	0.00	1.1	SSW
12/5/2024 08:59:00	8.4	7.0	0.0	0.00	0.00	0.00	1.1	NNE
12/5/2024 09:00:00	8.6	6.8	0.0	0.00	0.00	0.00	1.0	WNW
12/5/2024 09:01:00	8.4	6.8	0.0	0.00	0.00	0.00	1.0	WSW
12/5/2024 09:02:00	8.1	7.0	0.0	0.00	0.00	0.00	1.0	S
12/5/2024 09:03:00	8.0	7.1	0.0	0.00	0.00	0.00	1.0	NE
12/5/2024 09:04:00	8.0	7.1	0.0	0.00	0.00	0.00	0.9	SSW
12/5/2024 09:05:00	8.0	7.1	0.0	0.00	0.00	0.00	0.9	SSW
12/5/2024 09:06:00	7.9	7.1	0.0	0.00	0.00	0.00	1.0	SSW
12/5/2024 09:07:00	7.7	7.2	0.0	0.00	0.00	0.00	0.8	NNE
12/5/2024 09:08:00	7.8	7.0	0.0	0.00	0.00	0.00	0.8	N
12/5/2024 09:09:00	7.6	7.2	0.0	0.00	0.00	0.00	0.6	ENE
12/5/2024 09:10:00	7.5	7.3	0.0	0.00	0.00	0.00	0.6	E
12/5/2024 09:11:00	7.6	7.2	0.0	0.00	0.00	0.00	0.9	WSW
12/5/2024 09:12:00	7.6	7.1	0.0	0.00	0.00	0.00	0.7	NNW
12/5/2024 09:13:00	7.5	7.1	0.0	0.00	0.00	0.00	0.6	SSW
12/5/2024 09:14:00	7.5	7.1	0.0	0.00	0.00	0.00	0.6	NE
12/5/2024 09:15:00	7.3	7.2	0.0	0.00	0.00	0.00	0.6	S
12/5/2024 09:16:00	7.3	7.2	0.0	0.00	0.00	0.00	0.7	SW
12/5/2024 09:17:00	7.5	7.0	0.0	0.00	0.00	0.00	0.8	SW
12/5/2024 09:18:00	7.6	6.8	0.0	0.00	0.00	0.00	1.1	SSW
12/5/2024 09:19:00	7.6	7.0	0.0	0.00	0.00	0.00	1.1	SSW
12/5/2024 09:20:00	7.6	7.1	0.0	0.00	0.00	0.00	0.8	NE
12/5/2024 09:21:00	7.7	7.2	0.0	0.00	0.00	0.00	0.6	ENE
12/5/2024 09:22:00	7.8	7.2	0.0	0.00	0.00	0.00	0.6	ESE
12/5/2024 09:23:00	7.9	7.3	0.0	0.00	0.00	0.00	0.6	NNE
12/5/2024 09:24:00	8.0	7.4	0.0	0.00	0.00	0.00	0.7	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 09:25:00	8.1	7.3	0.0	0.00	0.00	0.00	0.9	S
12/5/2024 09:26:00	8.1	7.5	0.0	0.00	0.00	0.00	0.7	SSW
12/5/2024 09:27:00	8.0	7.7	0.0	0.00	0.00	0.00	0.9	SW
12/5/2024 09:28:00	8.1	7.8	0.0	0.00	0.00	0.00	0.7	NE
12/5/2024 09:29:00	8.3	7.8	0.0	0.00	0.00	0.00	0.9	S
12/5/2024 09:30:00	8.4	7.8	0.0	0.00	0.00	0.00	0.8	N
12/5/2024 09:31:00	8.4	8.1	0.0	0.00	0.00	0.00	0.6	SW
12/5/2024 09:32:00	8.3	8.3	0.0	0.00	0.00	0.00	0.6	SSW
12/5/2024 09:33:00	8.3	8.4	0.1	0.00	0.00	0.00	0.6	SSW
12/5/2024 09:34:00	8.2	8.4	0.2	0.00	0.00	0.00	0.3	WNW
12/5/2024 09:35:00	8.2	8.4	0.2	0.00	0.00	0.00	0.6	SW
12/5/2024 09:36:00	8.1	8.4	0.3	0.00	0.00	0.00	0.8	SSW
12/5/2024 09:37:00	8.1	8.4	0.3	0.00	0.00	0.00	0.9	S
12/5/2024 09:38:00	8.1	8.4	0.3	0.00	0.00	0.00	1.1	S
12/5/2024 09:39:00	8.1	8.3	0.3	0.00	0.00	0.00	1.2	SW
12/5/2024 09:40:00	8.1	8.3	0.3	0.00	0.00	0.00	1.1	NW
12/5/2024 09:41:00	8.1	8.3	0.2	0.00	0.00	0.00	1.2	SW
12/5/2024 09:42:00	8.1	8.3	0.2	0.00	0.00	0.00	1.3	SSW
12/5/2024 09:43:00	8.0	8.3	0.3	0.00	0.00	0.00	1.6	SSW
12/5/2024 09:44:00	8.0	8.3	0.3	0.00	0.00	0.00	1.4	NNE
12/5/2024 09:45:00	8.0	8.3	0.3	0.00	0.00	0.00	1.5	WNW
12/5/2024 09:46:00	8.0	8.3	0.3	0.00	0.00	0.00	1.6	SW
12/5/2024 09:47:00	7.9	8.2	0.3	0.00	0.00	0.00	1.6	SW
12/5/2024 09:48:00	7.9	8.2	0.3	0.00	0.00	0.00	1.5	SW
12/5/2024 09:49:00	7.9	8.2	0.2	0.00	0.00	0.00	1.4	NE
12/5/2024 09:50:00	8.0	8.2	0.1	0.00	0.00	0.00	1.4	SSW
12/5/2024 09:51:00	8.0	8.1	0.1	0.00	0.00	0.00	1.4	SW
12/5/2024 09:52:00	8.0	8.2	0.1	0.00	0.00	0.00	1.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 09:53:00	8.0	8.1	0.1	0.00	0.00	0.00	1.1	NE
12/5/2024 09:54:00	8.0	8.1	0.1	0.00	0.00	0.00	0.9	SW
12/5/2024 09:55:00	8.1	8.2	0.1	0.00	0.00	0.00	0.9	SSE
12/5/2024 09:56:00	8.1	8.2	0.1	0.00	0.00	0.00	1.0	SSW
12/5/2024 09:57:00	8.2	8.2	0.0	0.00	0.00	0.00	0.8	W
12/5/2024 09:58:00	8.2	8.1	0.0	0.00	0.00	0.00	0.8	SW
12/5/2024 09:59:00	8.2	8.1	0.0	0.00	0.00	0.00	1.1	SSW
12/5/2024 10:00:00	8.2	8.1	0.0	0.00	0.00	0.00	1.0	E
12/5/2024 10:01:00	8.2	8.1	0.0	0.00	0.00	0.00	0.9	SSW
12/5/2024 10:02:00	8.2	8.1	0.0	0.00	0.00	0.00	0.9	SSE
12/5/2024 10:03:00	8.3	8.1	0.0	0.00	0.00	0.00	1.3	SW
12/5/2024 10:04:00	8.2	8.1	0.0	0.00	0.00	0.00	1.6	SSW
12/5/2024 10:05:00	8.2	8.0	0.0	0.00	0.00	0.00	1.5	ESE
12/5/2024 10:06:00	8.2	8.0	0.0	0.00	0.00	0.00	1.5	SW
12/5/2024 10:07:00	8.2	8.1	0.0	0.00	0.00	0.00	1.8	SW
12/5/2024 10:08:00	8.1	8.4	0.2	0.00	0.00	0.00	2.1	SW
12/5/2024 10:09:00	8.2	8.4	0.2	0.00	0.00	0.00	2.1	S
12/5/2024 10:10:00	8.1	8.3	0.2	0.00	0.00	0.00	1.9	NNE
12/5/2024 10:11:00	8.0	8.2	0.1	0.00	0.00	0.00	1.6	NNE
12/5/2024 10:12:00	7.9	8.1	0.2	0.00	0.00	0.00	1.5	NNE
12/5/2024 10:13:00	8.0	8.1	0.1	0.00	0.00	0.00	1.2	ENE
12/5/2024 10:14:00	8.1	8.1	0.0	0.00	0.00	0.00	0.8	NE
12/5/2024 10:15:00	8.0	8.1	0.0	0.00	0.00	0.00	1.0	S
12/5/2024 10:16:00	8.0	8.0	0.0	0.00	0.00	0.00	1.1	SW
12/5/2024 10:17:00	7.9	8.1	0.1	0.00	0.00	0.00	1.2	SSW
12/5/2024 10:18:00	7.8	8.0	0.2	0.00	0.00	0.00	0.9	SW
12/5/2024 10:19:00	7.6	7.9	0.3	0.00	0.00	0.00	0.6	NW
12/5/2024 10:20:00	7.5	7.8	0.3	0.00	0.00	0.00	0.6	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 10:21:00	7.3	7.6	0.3	0.00	0.00	0.00	0.7	SSW
12/5/2024 10:22:00	7.2	7.5	0.3	0.00	0.00	0.00	0.9	SW
12/5/2024 10:23:00	7.0	7.0	0.0	0.00	0.00	0.00	0.5	NNE
12/5/2024 10:24:00	6.8	6.8	0.0	0.00	0.00	0.00	0.4	NNE
12/5/2024 10:25:00	6.6	6.5	0.0	0.00	0.00	0.00	0.4	NE
12/5/2024 10:26:00	6.3	6.3	0.0	0.00	0.00	0.00	0.5	NNE
12/5/2024 10:27:00	6.1	6.1	0.0	0.00	0.00	0.00	0.5	NNE
12/5/2024 10:28:00	5.8	5.9	0.1	0.00	0.00	0.00	0.4	SSW
12/5/2024 10:29:00	5.5	5.6	0.1	0.00	0.00	0.00	0.4	NNE
12/5/2024 10:30:00	5.3	5.4	0.1	0.00	0.00	0.00	0.5	NNE
12/5/2024 10:31:00	5.0	5.2	0.1	0.00	0.00	0.00	0.6	SW
12/5/2024 10:32:00	4.8	4.8	0.1	0.00	0.00	0.00	0.6	SW
12/5/2024 10:33:00	4.6	4.5	0.0	0.00	0.00	0.00	0.6	S
12/5/2024 10:34:00	4.4	4.3	0.0	0.00	0.00	0.00	0.6	NNW
12/5/2024 10:35:00	4.2	4.1	0.0	0.00	0.00	0.00	0.6	NNE
12/5/2024 10:36:00	4.0	4.0	0.0	0.00	0.00	0.00	0.8	SSW
12/5/2024 10:37:00	3.9	3.8	0.0	0.00	0.00	0.00	1.0	SSE
12/5/2024 10:38:00	3.8	3.6	0.0	0.00	0.00	0.00	0.8	NNE
12/5/2024 10:39:00	3.7	3.6	0.0	0.00	0.00	0.00	0.4	SSW
12/5/2024 10:40:00	3.5	3.5	0.0	0.00	0.00	0.00	0.1	NW
12/5/2024 10:41:00	3.4	3.5	0.1	0.00	0.00	0.00	0.3	SSW
12/5/2024 10:42:00	3.4	3.4	0.0	0.00	0.00	0.00	0.3	NNE
12/5/2024 10:43:00	3.3	3.3	0.1	0.00	0.00	0.00	0.3	WNW
12/5/2024 10:44:00	3.2	3.3	0.1	0.00	0.00	0.00	0.5	SSW
12/5/2024 10:45:00	3.1	3.2	0.1	0.00	0.00	0.00	0.4	NNE
12/5/2024 10:46:00	3.1	3.1	0.0	0.00	0.00	0.00	0.2	NNE
12/5/2024 10:47:00	3.0	3.0	0.0	0.00	0.00	0.00	0.6	N
12/5/2024 10:48:00	3.0	3.1	0.0	0.00	0.00	0.00	1.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 10:49:00	3.0	3.0	0.0	0.00	0.00	0.00	1.0	N
12/5/2024 10:50:00	3.0	3.0	0.0	0.00	0.00	0.00	1.2	NNE
12/5/2024 10:51:00	3.0	3.0	0.0	0.00	0.00	0.00	1.4	NNW
12/5/2024 10:52:00	2.9	3.0	0.1	0.00	0.00	0.00	1.8	N
12/5/2024 10:53:00	2.8	3.0	0.2	0.00	0.00	0.00	1.8	WNW
12/5/2024 10:54:00	2.8	2.9	0.1	0.00	0.00	0.00	2.1	NNE
12/5/2024 10:55:00	2.9	2.9	0.0	0.00	0.00	0.00	2.2	NNE
12/5/2024 10:56:00	2.9	2.9	0.0	0.00	0.00	0.00	2.2	SW
12/5/2024 10:57:00	2.8	2.9	0.1	0.00	0.00	0.00	2.4	N
12/5/2024 10:58:00	2.8	2.8	0.0	0.00	0.00	0.00	2.5	NE
12/5/2024 10:59:00	2.8	2.7	0.0	0.00	0.00	0.00	2.5	S
12/5/2024 11:00:00	2.8	2.8	0.0	0.00	0.00	0.00	2.1	WSW
12/5/2024 11:01:00	2.7	2.8	0.1	0.00	0.00	0.00	1.8	SW
12/5/2024 11:02:00	2.7	2.8	0.1	0.00	0.00	0.00	1.4	WSW
12/5/2024 11:03:00	2.6	2.8	0.2	0.00	0.00	0.00	1.0	SSW
12/5/2024 11:04:00	2.6	2.8	0.1	0.00	0.00	0.00	0.9	NE
12/5/2024 11:05:00	2.6	2.8	0.1	0.00	0.00	0.00	0.9	NNE
12/5/2024 11:06:00	2.7	2.7	0.0	0.00	0.00	0.00	0.9	NNE
12/5/2024 11:07:00	2.7	2.7	0.0	0.00	0.00	0.00	0.9	NNE
12/5/2024 11:08:00	2.8	2.6	0.0	0.00	0.00	0.00	1.0	NNE
12/5/2024 11:09:00	2.8	2.7	0.0	0.00	0.00	0.00	1.0	NNW
12/5/2024 11:10:00	2.7	2.7	0.0	0.00	0.00	0.00	1.0	N
12/5/2024 11:11:00	2.7	2.8	0.0	0.00	0.00	0.00	1.2	NNW
12/5/2024 11:12:00	2.8	2.7	0.0	0.00	0.00	0.00	1.1	NE
12/5/2024 11:13:00	2.8	2.8	0.0	0.00	0.00	0.00	1.2	NW
12/5/2024 11:14:00	2.8	2.9	0.1	0.00	0.00	0.00	1.5	N
12/5/2024 11:15:00	2.8	2.9	0.0	0.00	0.00	0.00	1.7	NE
12/5/2024 11:16:00	2.9	3.9	1.0	0.00	0.00	0.00	2.0	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 11:17:00	2.9	4.9	2.0	0.00	0.00	0.00	2.2	NW
12/5/2024 11:18:00	2.9	5.1	2.2	0.00	0.00	0.00	2.3	SW
12/5/2024 11:19:00	2.9	5.2	2.3	0.00	0.00	0.00	2.0	SSW
12/5/2024 11:20:00	3.0	5.2	2.2	0.00	0.00	0.00	1.8	E
12/5/2024 11:21:00	3.0	5.3	2.2	0.00	0.00	0.00	1.7	NE
12/5/2024 11:22:00	3.1	5.3	2.2	0.00	0.00	0.00	1.4	ENE
12/5/2024 11:23:00	3.2	5.4	2.2	0.00	0.00	0.00	1.3	NE
12/5/2024 11:24:00	3.3	5.4	2.1	0.00	0.00	0.00	1.1	SE
12/5/2024 11:25:00	3.4	5.4	2.0	0.00	0.00	0.00	0.9	ENE
12/5/2024 11:26:00	3.8	5.4	1.6	0.00	0.00	0.00	0.9	NNE
12/5/2024 11:27:00	4.0	5.5	1.5	0.00	0.00	0.00	0.7	SSE
12/5/2024 11:28:00	4.5	5.5	1.0	0.00	0.00	0.00	0.7	NE
12/5/2024 11:29:00	4.6	5.8	1.3	0.00	0.01	0.00	0.7	NNW
12/5/2024 11:30:00	5.2	5.9	0.6	0.01	0.01	0.00	0.8	NE
12/5/2024 11:31:00	5.3	5.5	0.2	0.01	0.01	0.00	0.8	N
12/5/2024 11:32:00	5.5	4.5	0.0	0.01	0.01	0.00	0.9	NE
12/5/2024 11:33:00	5.6	4.4	0.0	0.01	0.01	0.00	0.9	SSW
12/5/2024 11:34:00	5.6	4.5	0.0	0.01	0.01	0.00	1.2	N
12/5/2024 11:35:00	5.5	4.9	0.0	0.01	0.01	0.00	1.3	NNW
12/5/2024 11:36:00	6.3	4.9	0.0	0.01	0.01	0.00	1.3	NNE
12/5/2024 11:37:00	6.3	5.2	0.0	0.01	0.01	0.00	1.3	NNW
12/5/2024 11:38:00	6.2	5.3	0.0	0.01	0.01	0.00	1.1	SSW
12/5/2024 11:39:00	6.2	5.4	0.0	0.01	0.01	0.01	1.0	SW
12/5/2024 11:40:00	6.2	5.5	0.0	0.01	0.02	0.01	1.1	NNW
12/5/2024 11:41:00	6.1	5.5	0.0	0.01	0.02	0.01	1.2	NNE
12/5/2024 11:42:00	5.9	5.7	0.0	0.01	0.02	0.01	1.3	WNW
12/5/2024 11:43:00	5.4	5.9	0.5	0.01	0.02	0.01	1.4	NW
12/5/2024 11:44:00	5.6	5.5	0.0	0.01	0.02	0.01	1.6	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 11:45:00	4.9	5.7	0.8	0.01	0.02	0.01	1.6	NNW
12/5/2024 11:46:00	4.9	5.6	0.7	0.01	0.01	0.01	1.6	N
12/5/2024 11:47:00	4.7	5.8	1.1	0.00	0.02	0.01	1.8	N
12/5/2024 11:48:00	4.7	6.7	2.1	0.00	0.02	0.01	2.1	N
12/5/2024 11:49:00	4.6	7.0	2.3	0.00	0.02	0.01	2.4	N
12/5/2024 11:50:00	4.6	6.7	2.1	0.00	0.02	0.01	2.5	NW
12/5/2024 11:51:00	3.7	6.9	3.2	0.00	0.02	0.01	2.5	WNW
12/5/2024 11:52:00	3.6	6.6	2.9	0.00	0.01	0.01	2.7	N
12/5/2024 11:53:00	3.6	6.5	2.9	0.00	0.01	0.01	3.0	N
12/5/2024 11:54:00	3.6	6.5	2.9	0.00	0.01	0.01	3.4	N
12/5/2024 11:55:00	3.5	6.5	3.0	0.00	0.01	0.01	3.5	WNW
12/5/2024 11:56:00	3.2	6.5	3.3	0.00	0.01	0.01	3.5	W
12/5/2024 11:57:00	3.2	6.5	3.3	0.00	0.01	0.01	3.7	N
12/5/2024 11:58:00	3.3	6.4	3.1	0.00	0.01	0.01	3.6	W
12/5/2024 11:59:00	3.0	6.5	3.5	0.00	0.02	0.02	3.5	N
12/5/2024 12:00:00	2.9	6.3	3.4	0.00	0.01	0.01	3.2	SW
12/5/2024 12:01:00	2.9	5.9	2.9	0.00	0.01	0.01	3.6	NNW
12/5/2024 12:02:00	2.9	5.6	2.7	0.00	0.01	0.01	3.5	WNW
12/5/2024 12:03:00	2.9	4.6	1.7	0.00	0.01	0.01	3.4	WSW
12/5/2024 12:04:00	2.9	4.2	1.3	0.00	0.01	0.01	3.2	NNE
12/5/2024 12:05:00	2.8	4.0	1.2	0.00	0.01	0.01	3.1	NNW
12/5/2024 12:06:00	2.9	3.8	0.9	0.00	0.01	0.01	2.9	WSW
12/5/2024 12:07:00	2.9	3.8	0.9	0.00	0.01	0.01	2.8	N
12/5/2024 12:08:00	2.9	3.7	0.8	0.00	0.01	0.01	2.7	N
12/5/2024 12:09:00	2.8	3.6	0.8	0.00	0.01	0.01	2.5	NNE
12/5/2024 12:10:00	2.8	3.5	0.7	0.00	0.01	0.01	2.5	WNW
12/5/2024 12:11:00	2.9	3.4	0.6	0.00	0.00	0.00	2.3	NNE
12/5/2024 12:12:00	2.9	3.3	0.4	0.00	0.00	0.00	2.1	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2024 12:13:00							2.1	WNW

DAILY FIELD REPORT 160

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 6, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 12:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon excavated an about 15-foot-long by 15-foot-wide area to about 2-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odors were observed; no PID readings above background (0.0 parts per million [ppm]). A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the southwestern part of Block 25 to prepare for 3- to 5-inch rip rap backfill.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 5-foot-wide area with 2- to 3-foot jetty stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- No material was exported from the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**78**
	Quantity (CY)	0	**1540**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**32**
		Quantity (CY)	0	**630**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	1	**39**
		Quantity (CY)	20	**820**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

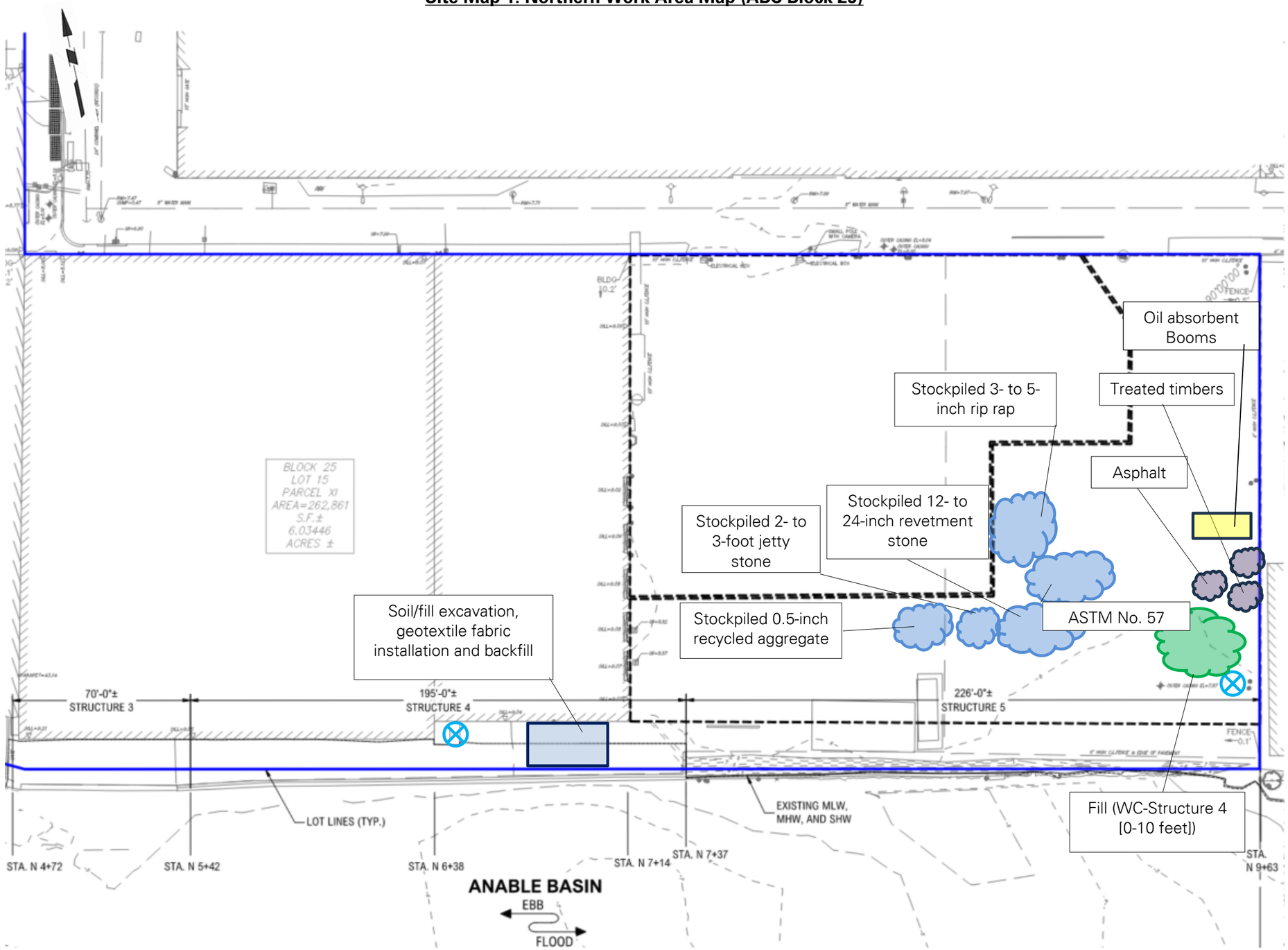
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

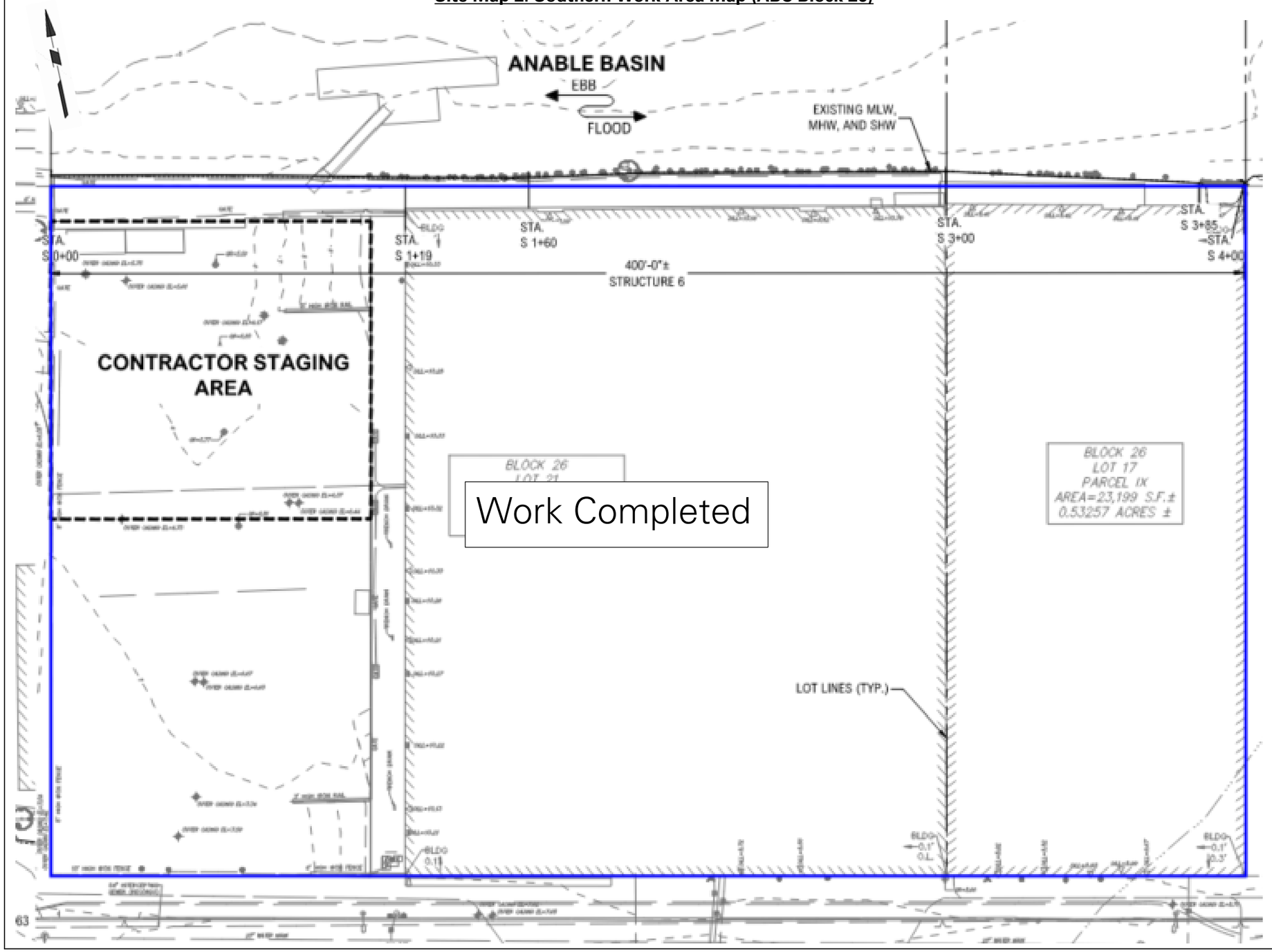


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.06 - Anable Basin Bulkhead Stabilization - Day 160

Site Map 2: Southern Work Area Map (ABC Block 26)

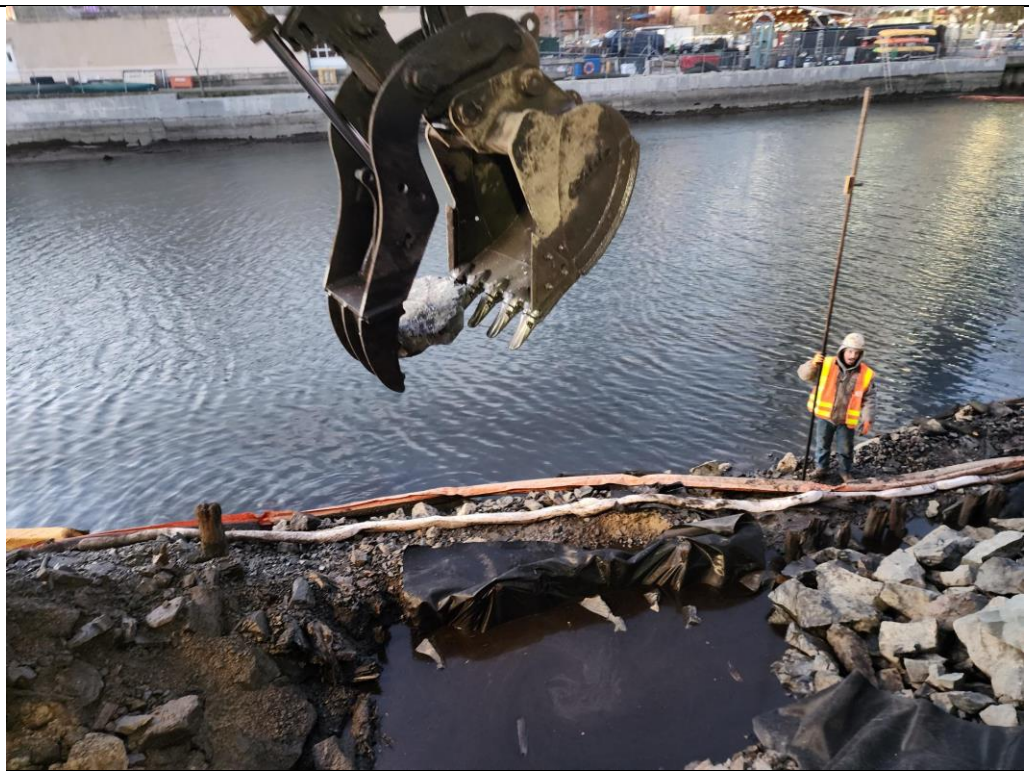


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.06 - Anable Basin Bulkhead Stabilization - Day 160

Photo Log

Photo 1: Trevcon backfilling 12- to 24-inch revetment stone in the southwestern part of ABC Block 25 (facing south).	
Photo 2: Trevcon importing 12- to 24-inch revetment stone in the southeastern part of ABC Block 25 (facing south).	

File Name: 2024.12.06 - Anable Basin Bulkhead Stabilization - Day 160

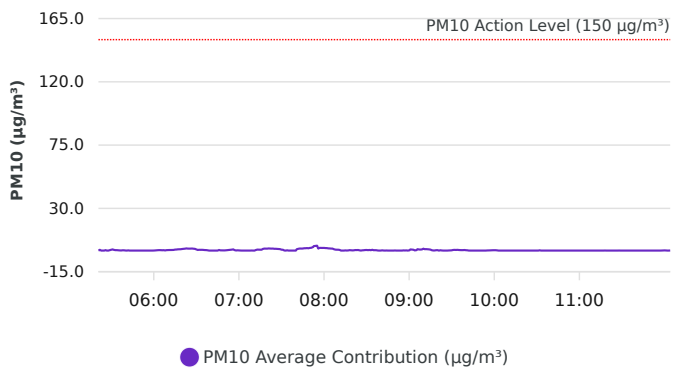
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/6/2024 04:00
		To:	12/6/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/6/2024	0.7-7.9	N

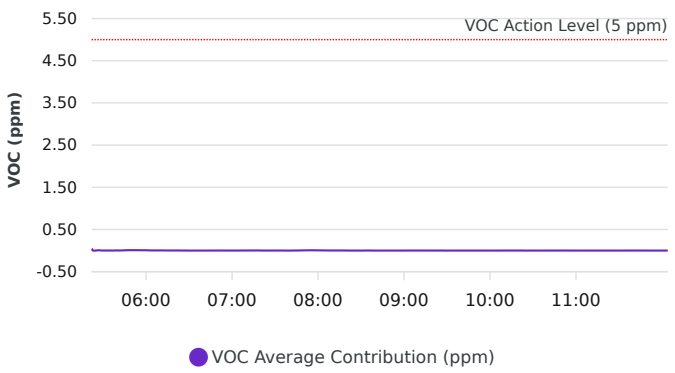
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/6/2024	0.0	05:21	0.00	05:23
Max Contribution (15 min avg.) - 12/6/2024	3.5	07:55	0.04	05:22



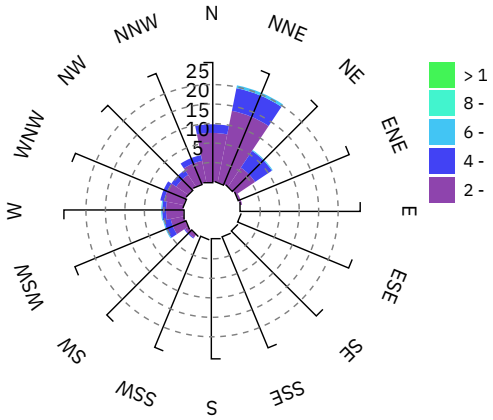
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 05:20:00							5.1	SW
12/6/2024 05:21:00	8.9	8.7	0.0				2.1	N
12/6/2024 05:22:00	8.1	8.6	0.5	0.00	0.04	0.04	1.3	N
12/6/2024 05:23:00	8.3	8.1	0.0	0.02	0.02	0.00	1.1	NE
12/6/2024 05:24:00	8.3	7.6	0.0	0.03	0.02	0.00	1.3	NE
12/6/2024 05:25:00	7.9	7.8	0.0	0.02	0.02	0.00	0.9	WSW
12/6/2024 05:26:00	7.7	7.9	0.3	0.02	0.03	0.01	1.2	NNW
12/6/2024 05:27:00	7.5	7.1	0.0	0.02	0.03	0.01	1.3	N
12/6/2024 05:28:00	6.8	6.8	0.0	0.02	0.02	0.00	1.6	N
12/6/2024 05:29:00	6.2	6.5	0.3	0.02	0.02	0.00	1.7	NE
12/6/2024 05:30:00	5.8	6.4	0.6	0.02	0.02	0.00	1.7	NNE
12/6/2024 05:31:00	5.5	6.3	0.8	0.01	0.01	0.00	1.8	NNE
12/6/2024 05:32:00	5.4	5.9	0.5	0.01	0.01	0.00	1.6	WSW
12/6/2024 05:33:00	5.3	5.6	0.3	0.01	0.02	0.00	1.5	WSW
12/6/2024 05:34:00	5.2	5.5	0.3	0.01	0.01	0.00	1.4	NE
12/6/2024 05:35:00	5.1	5.3	0.2	0.01	0.01	0.00	1.7	WNW
12/6/2024 05:36:00	4.7	4.8	0.1	0.01	0.01	0.00	1.6	W
12/6/2024 05:37:00	4.4	4.5	0.1	0.01	0.01	0.00	1.7	NNE
12/6/2024 05:38:00	4.0	4.3	0.2	0.01	0.01	0.00	1.8	NNW
12/6/2024 05:39:00	3.8	4.0	0.2	0.01	0.01	0.01	1.8	N
12/6/2024 05:40:00	3.5	3.6	0.1	0.01	0.01	0.00	2.1	WNW
12/6/2024 05:41:00	3.3	3.2	0.0	0.01	0.01	0.00	2.1	N
12/6/2024 05:42:00	3.2	3.4	0.1	0.01	0.01	0.00	2.1	NNW
12/6/2024 05:43:00	3.3	3.2	0.0	0.01	0.01	0.00	2.0	N
12/6/2024 05:44:00	3.4	3.1	0.0	0.00	0.01	0.01	2.1	NNW
12/6/2024 05:45:00	3.5	2.9	0.0	0.00	0.01	0.01	2.3	NW
12/6/2024 05:46:00	3.6	2.7	0.0	0.00	0.01	0.01	2.3	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 05:47:00	3.5	2.8	0.0	0.00	0.01	0.01	2.4	W
12/6/2024 05:48:00	3.4	2.7	0.0	0.00	0.01	0.01	2.5	NW
12/6/2024 05:49:00	3.4	2.7	0.0	0.00	0.01	0.01	2.6	WNW
12/6/2024 05:50:00	3.3	2.7	0.0	0.00	0.01	0.01	2.6	NNE
12/6/2024 05:51:00	3.2	2.7	0.0	0.00	0.01	0.01	2.6	N
12/6/2024 05:52:00	3.3	2.6	0.0	0.00	0.01	0.01	2.4	NE
12/6/2024 05:53:00	3.2	2.6	0.0	0.00	0.01	0.01	2.2	N
12/6/2024 05:54:00	3.0	2.6	0.0	0.00	0.01	0.01	2.3	N
12/6/2024 05:55:00	3.0	2.6	0.0	0.00	0.01	0.01	2.2	W
12/6/2024 05:56:00	2.9	2.5	0.0	0.00	0.01	0.01	2.2	NNE
12/6/2024 05:57:00	2.8	2.5	0.0	0.00	0.01	0.01	2.4	NNW
12/6/2024 05:58:00	2.6	2.4	0.0	0.00	0.01	0.01	2.2	W
12/6/2024 05:59:00	2.5	2.4	0.0	0.00	0.01	0.01	2.0	W
12/6/2024 06:00:00	2.4	2.5	0.0	0.00	0.01	0.01	1.8	WSW
12/6/2024 06:01:00	2.3	2.4	0.1	0.00	0.01	0.01	1.7	WSW
12/6/2024 06:02:00	2.3	2.4	0.2	0.00	0.01	0.01	1.6	SW
12/6/2024 06:03:00	2.2	2.5	0.3	0.00	0.01	0.00	1.6	W
12/6/2024 06:04:00	2.1	2.4	0.3	0.00	0.01	0.00	1.8	WNW
12/6/2024 06:05:00	2.1	2.4	0.3	0.00	0.01	0.00	1.7	SSW
12/6/2024 06:06:00	2.1	2.4	0.2	0.00	0.01	0.00	1.6	NNE
12/6/2024 06:07:00	2.1	2.4	0.3	0.00	0.01	0.00	1.7	NNE
12/6/2024 06:08:00	2.2	2.3	0.1	0.00	0.00	0.00	1.7	NNE
12/6/2024 06:09:00	2.2	2.5	0.3	0.00	0.00	0.00	1.6	N
12/6/2024 06:10:00	2.2	2.6	0.3	0.00	0.00	0.00	1.4	SW
12/6/2024 06:11:00	2.2	2.6	0.4	0.00	0.01	0.00	1.6	W
12/6/2024 06:12:00	2.2	2.6	0.4	0.00	0.01	0.00	1.5	NW
12/6/2024 06:13:00	2.2	2.6	0.4	0.00	0.00	0.00	1.5	WNW
12/6/2024 06:14:00	2.2	2.6	0.5	0.00	0.00	0.00	1.6	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 06:15:00	2.1	2.8	0.7	0.00	0.00	0.00	1.6	NW
12/6/2024 06:16:00	2.1	2.8	0.7	0.00	0.00	0.00	1.6	W
12/6/2024 06:17:00	2.0	2.9	0.9	0.00	0.00	0.00	1.6	W
12/6/2024 06:18:00	2.0	2.9	0.9	0.00	0.00	0.00	1.5	WSW
12/6/2024 06:19:00	1.9	2.9	1.0	0.00	0.00	0.00	1.4	WSW
12/6/2024 06:20:00	1.9	3.0	1.1	0.00	0.00	0.00	1.6	NW
12/6/2024 06:21:00	1.8	3.1	1.2	0.00	0.00	0.00	1.9	WSW
12/6/2024 06:22:00	1.7	3.1	1.4	0.00	0.00	0.00	2.2	WSW
12/6/2024 06:23:00	1.6	3.1	1.5	0.00	0.00	0.00	2.3	N
12/6/2024 06:24:00	1.6	3.0	1.4	0.00	0.00	0.00	2.4	NW
12/6/2024 06:25:00	1.5	2.9	1.4	0.00	0.00	0.00	2.5	WSW
12/6/2024 06:26:00	1.5	2.9	1.4	0.00	0.00	0.00	2.6	WSW
12/6/2024 06:27:00	1.5	2.9	1.4	0.00	0.00	0.00	2.6	NW
12/6/2024 06:28:00	1.6	2.9	1.3	0.00	0.00	0.00	2.4	NNE
12/6/2024 06:29:00	1.6	2.8	1.2	0.00	0.00	0.00	1.9	NNE
12/6/2024 06:30:00	1.8	2.6	0.8	0.00	0.00	0.00	1.8	NNE
12/6/2024 06:31:00	2.1	2.5	0.5	0.00	0.00	0.00	1.8	NNE
12/6/2024 06:32:00	2.1	2.7	0.6	0.00	0.00	0.00	1.9	NW
12/6/2024 06:33:00	2.1	2.6	0.5	0.00	0.00	0.00	2.1	W
12/6/2024 06:34:00	2.2	2.7	0.5	0.00	0.00	0.00	2.3	WSW
12/6/2024 06:35:00	2.2	2.6	0.5	0.00	0.00	0.00	2.1	N
12/6/2024 06:36:00	2.2	2.6	0.4	0.00	0.00	0.00	1.9	NE
12/6/2024 06:37:00	2.2	2.5	0.3	0.00	0.00	0.00	2.0	NNE
12/6/2024 06:38:00	2.3	2.5	0.2	0.00	0.00	0.00	2.0	N
12/6/2024 06:39:00	2.5	2.4	0.0	0.00	0.00	0.00	2.0	NNE
12/6/2024 06:40:00	2.5	2.3	0.0	0.00	0.00	0.00	2.2	N
12/6/2024 06:41:00	2.6	2.2	0.0	0.00	0.00	0.00	2.7	NNE
12/6/2024 06:42:00	2.6	2.2	0.0	0.00	0.00	0.00	2.8	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 06:43:00	2.5	2.2	0.0	0.00	0.00	0.00	3.0	N
12/6/2024 06:44:00	2.4	2.2	0.0	0.00	0.00	0.00	2.9	W
12/6/2024 06:45:00	2.3	2.3	0.0	0.00	0.00	0.00	2.8	NNW
12/6/2024 06:46:00	1.9	2.4	0.4	0.00	0.00	0.00	2.5	W
12/6/2024 06:47:00	1.9	2.1	0.2	0.00	0.00	0.00	2.3	W
12/6/2024 06:48:00	1.9	2.1	0.1	0.00	0.00	0.00	2.4	WNW
12/6/2024 06:49:00	1.9	2.0	0.1	0.00	0.00	0.00	2.5	WNW
12/6/2024 06:50:00	1.9	2.0	0.1	0.00	0.00	0.00	2.5	NW
12/6/2024 06:51:00	1.8	2.0	0.2	0.00	0.00	0.00	2.3	W
12/6/2024 06:52:00	1.8	2.1	0.3	0.00	0.00	0.00	2.3	WNW
12/6/2024 06:53:00	1.7	2.1	0.4	0.00	0.00	0.00	2.2	WNW
12/6/2024 06:54:00	1.5	2.1	0.5	0.00	0.00	0.00	2.1	ENE
12/6/2024 06:55:00	1.5	2.1	0.7	0.00	0.00	0.00	2.0	WSW
12/6/2024 06:56:00	1.3	2.2	0.8	0.00	0.00	0.00	1.8	SW
12/6/2024 06:57:00	1.8	2.1	0.3	0.00	0.00	0.00	1.7	WSW
12/6/2024 06:58:00	2.3	2.4	0.1	0.00	0.00	0.00	1.7	NW
12/6/2024 06:59:00	2.4	2.6	0.2	0.00	0.00	0.00	1.5	N
12/6/2024 07:00:00	2.5	2.6	0.1	0.00	0.00	0.00	1.5	SW
12/6/2024 07:01:00	2.5	2.6	0.0	0.00	0.00	0.00	1.4	SW
12/6/2024 07:02:00	2.6	2.6	0.0	0.00	0.00	0.00	1.2	SSE
12/6/2024 07:03:00	2.6	2.6	0.0	0.00	0.00	0.00	1.0	NNE
12/6/2024 07:04:00	2.7	2.6	0.0	0.00	0.00	0.00	1.1	W
12/6/2024 07:05:00	2.7	2.6	0.0	0.00	0.00	0.00	1.2	W
12/6/2024 07:06:00	2.7	2.7	0.0	0.00	0.00	0.00	1.2	WNW
12/6/2024 07:07:00	2.8	2.7	0.0	0.00	0.00	0.00	1.2	NW
12/6/2024 07:08:00	2.8	2.7	0.0	0.00	0.00	0.00	1.2	WSW
12/6/2024 07:09:00	2.7	2.7	0.1	0.00	0.00	0.00	1.5	WSW
12/6/2024 07:10:00	2.7	2.7	0.0	0.00	0.00	0.00	1.6	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 07:11:00	2.8	2.8	0.0	0.00	0.00	0.00	1.6	W
12/6/2024 07:12:00	2.3	2.7	0.4	0.00	0.00	0.00	1.8	WSW
12/6/2024 07:13:00	1.7	2.4	0.7	0.00	0.00	0.00	2.2	WSW
12/6/2024 07:14:00	1.6	2.3	0.7	0.00	0.00	0.00	2.3	NNW
12/6/2024 07:15:00	1.6	2.2	0.6	0.00	0.00	0.00	2.2	NNW
12/6/2024 07:16:00	1.5	2.1	0.6	0.00	0.00	0.00	2.1	NNW
12/6/2024 07:17:00	1.4	2.6	1.2	0.00	0.00	0.00	2.3	WNW
12/6/2024 07:18:00	1.4	2.8	1.4	0.00	0.00	0.00	2.6	WSW
12/6/2024 07:19:00	1.3	2.7	1.4	0.00	0.00	0.00	2.4	SW
12/6/2024 07:20:00	1.3	2.6	1.4	0.00	0.00	0.00	2.2	N
12/6/2024 07:21:00	1.2	2.7	1.5	0.00	0.00	0.00	2.2	W
12/6/2024 07:22:00	1.2	2.6	1.4	0.00	0.00	0.00	2.3	WSW
12/6/2024 07:23:00	1.1	2.5	1.4	0.00	0.00	0.00	2.3	SW
12/6/2024 07:24:00	1.1	2.5	1.4	0.00	0.00	0.00	2.3	W
12/6/2024 07:25:00	1.3	2.5	1.3	0.00	0.00	0.00	2.0	NNE
12/6/2024 07:26:00	1.3	2.5	1.3	0.00	0.00	0.00	2.0	WSW
12/6/2024 07:27:00	1.4	2.5	1.2	0.00	0.00	0.00	1.7	NNE
12/6/2024 07:28:00	1.4	2.5	1.1	0.00	0.00	0.00	1.3	ENE
12/6/2024 07:29:00	1.4	2.4	1.0	0.00	0.00	0.00	1.2	WNW
12/6/2024 07:30:00	1.7	2.4	0.7	0.00	0.00	0.00	1.2	NNE
12/6/2024 07:31:00	1.8	2.4	0.6	0.00	0.00	0.00	1.0	NE
12/6/2024 07:32:00	1.8	1.9	0.1	0.00	0.00	0.00	0.9	SSW
12/6/2024 07:33:00	1.8	1.8	0.0	0.00	0.00	0.00	0.9	WNW
12/6/2024 07:34:00	1.8	2.0	0.2	0.00	0.00	0.00	1.1	N
12/6/2024 07:35:00	2.0	1.9	0.0	0.00	0.00	0.00	1.0	NE
12/6/2024 07:36:00	2.0	1.7	0.0	0.00	0.00	0.00	1.1	NNE
12/6/2024 07:37:00	2.0	1.7	0.0	0.00	0.00	0.00	1.4	NW
12/6/2024 07:38:00	2.6	1.7	0.0	0.00	0.00	0.00	1.7	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 07:39:00	2.7	1.7	0.0	0.00	0.00	0.00	1.9	NNE
12/6/2024 07:40:00	2.7	1.7	0.0	0.00	0.00	0.00	2.0	NNE
12/6/2024 07:41:00	2.6	3.7	1.0	0.00	0.00	0.00	2.2	NNW
12/6/2024 07:42:00	2.6	3.9	1.3	0.00	0.00	0.00	2.2	NNW
12/6/2024 07:43:00	2.6	4.0	1.5	0.00	0.00	0.00	2.3	NNW
12/6/2024 07:44:00	2.6	4.0	1.4	0.00	0.00	0.00	2.6	NNE
12/6/2024 07:45:00	2.6	4.0	1.5	0.00	0.00	0.00	2.5	NNE
12/6/2024 07:46:00	2.5	4.2	1.6	0.00	0.00	0.00	2.3	SW
12/6/2024 07:47:00	2.5	4.2	1.7	0.00	0.00	0.00	2.4	NNW
12/6/2024 07:48:00	2.5	4.3	1.8	0.00	0.00	0.00	2.4	NNW
12/6/2024 07:49:00	2.5	4.2	1.6	0.00	0.01	0.00	2.4	NNW
12/6/2024 07:50:00	2.4	4.2	1.9	0.00	0.01	0.01	2.1	WSW
12/6/2024 07:51:00	2.4	4.3	2.0	0.00	0.01	0.01	2.1	NNW
12/6/2024 07:52:00	2.3	4.7	2.4	0.00	0.01	0.01	2.0	N
12/6/2024 07:53:00	1.8	5.0	3.2	0.00	0.01	0.01	1.8	W
12/6/2024 07:54:00	1.7	5.1	3.3	0.00	0.01	0.01	1.8	NW
12/6/2024 07:55:00	1.6	5.0	3.5	0.00	0.01	0.01	1.7	NE
12/6/2024 07:56:00	1.6	3.1	1.5	0.00	0.01	0.01	1.5	N
12/6/2024 07:57:00	1.6	3.5	1.9	0.00	0.01	0.01	1.6	N
12/6/2024 07:58:00	1.5	3.4	1.9	0.00	0.01	0.01	1.4	WSW
12/6/2024 07:59:00	1.5	3.4	1.9	0.00	0.01	0.01	1.3	NE
12/6/2024 08:00:00	1.5	3.4	1.9	0.00	0.01	0.01	1.4	NNE
12/6/2024 08:01:00	1.5	3.3	1.8	0.00	0.01	0.01	1.6	NNW
12/6/2024 08:02:00	1.5	3.2	1.8	0.00	0.01	0.01	1.7	WNW
12/6/2024 08:03:00	1.5	3.1	1.6	0.00	0.01	0.00	1.7	NNE
12/6/2024 08:04:00	1.5	3.0	1.5	0.00	0.01	0.00	1.7	NNW
12/6/2024 08:05:00	1.5	2.9	1.4	0.00	0.01	0.00	1.9	NNE
12/6/2024 08:06:00	1.5	2.9	1.4	0.00	0.01	0.00	2.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 08:07:00	1.6	2.5	0.9	0.00	0.01	0.00	1.9	N
12/6/2024 08:08:00	1.6	2.2	0.7	0.00	0.01	0.00	2.0	N
12/6/2024 08:09:00	1.6	2.2	0.6	0.00	0.01	0.00	2.1	NE
12/6/2024 08:10:00	1.6	2.2	0.6	0.00	0.01	0.00	2.1	N
12/6/2024 08:11:00	1.6	2.1	0.5	0.00	0.01	0.00	2.2	NNW
12/6/2024 08:12:00	1.7	1.5	0.0	0.00	0.01	0.00	2.1	NE
12/6/2024 08:13:00	1.7	1.4	0.0	0.00	0.01	0.00	2.4	NE
12/6/2024 08:14:00	1.7	1.5	0.0	0.00	0.01	0.00	2.4	N
12/6/2024 08:15:00	1.4	1.5	0.1	0.00	0.01	0.00	2.1	WNW
12/6/2024 08:16:00	1.4	1.5	0.0	0.00	0.01	0.00	2.2	NNE
12/6/2024 08:17:00	1.4	1.5	0.1	0.00	0.00	0.00	2.3	N
12/6/2024 08:18:00	1.4	1.7	0.3	0.00	0.01	0.00	2.3	N
12/6/2024 08:19:00	1.5	1.7	0.2	0.00	0.00	0.00	2.4	NNE
12/6/2024 08:20:00	1.6	1.8	0.1	0.00	0.00	0.00	2.4	NNE
12/6/2024 08:21:00	1.7	1.8	0.2	0.00	0.00	0.00	2.3	N
12/6/2024 08:22:00	1.6	2.0	0.4	0.00	0.00	0.00	2.4	N
12/6/2024 08:23:00	1.7	2.0	0.3	0.00	0.00	0.00	2.5	NE
12/6/2024 08:24:00	1.7	2.1	0.4	0.00	0.00	0.00	2.7	N
12/6/2024 08:25:00	1.9	2.1	0.2	0.00	0.00	0.00	3.0	NE
12/6/2024 08:26:00	2.1	2.1	0.0	0.00	0.00	0.00	3.1	NNE
12/6/2024 08:27:00	2.1	2.2	0.2	0.00	0.00	0.00	3.1	N
12/6/2024 08:28:00	2.0	2.3	0.3	0.00	0.00	0.00	2.9	W
12/6/2024 08:29:00	2.0	2.4	0.4	0.00	0.00	0.00	2.9	NNW
12/6/2024 08:30:00	2.0	2.4	0.4	0.00	0.00	0.00	3.0	NW
12/6/2024 08:31:00	2.1	2.4	0.3	0.00	0.00	0.00	2.9	NNE
12/6/2024 08:32:00	2.1	2.5	0.4	0.00	0.00	0.00	2.9	N
12/6/2024 08:33:00	2.0	2.3	0.3	0.00	0.00	0.00	2.7	W
12/6/2024 08:34:00	2.0	2.5	0.5	0.00	0.00	0.00	2.7	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 08:35:00	2.2	2.5	0.3	0.00	0.00	0.00	2.7	NNE
12/6/2024 08:36:00	2.2	2.5	0.3	0.00	0.00	0.00	2.6	WNW
12/6/2024 08:37:00	2.2	2.4	0.2	0.00	0.00	0.00	2.5	WNW
12/6/2024 08:38:00	2.3	2.4	0.0	0.00	0.00	0.00	2.6	NNE
12/6/2024 08:39:00	2.5	2.3	0.0	0.00	0.00	0.00	2.4	NE
12/6/2024 08:40:00	2.3	2.3	0.0	0.00	0.00	0.00	2.3	NE
12/6/2024 08:41:00	2.1	2.3	0.2	0.00	0.00	0.00	2.3	NNE
12/6/2024 08:42:00	2.2	2.2	0.0	0.00	0.00	0.00	2.3	N
12/6/2024 08:43:00	2.3	2.2	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 08:44:00	2.3	2.3	0.1	0.00	0.00	0.00	2.4	NNW
12/6/2024 08:45:00	2.4	2.2	0.0	0.00	0.00	0.00	2.6	NNE
12/6/2024 08:46:00	2.6	2.3	0.0	0.00	0.00	0.00	2.7	NNE
12/6/2024 08:47:00	2.6	2.3	0.0	0.00	0.00	0.00	2.9	N
12/6/2024 08:48:00	2.6	2.4	0.0	0.00	0.00	0.00	3.1	N
12/6/2024 08:49:00	2.6	2.5	0.0	0.00	0.00	0.00	3.2	NNW
12/6/2024 08:50:00	2.5	2.5	0.1	0.00	0.00	0.00	3.4	NNE
12/6/2024 08:51:00	2.7	2.4	0.0	0.00	0.00	0.00	3.6	NE
12/6/2024 08:52:00	2.8	2.3	0.0	0.00	0.00	0.00	3.9	NNE
12/6/2024 08:53:00	2.5	2.3	0.0	0.00	0.00	0.00	3.9	N
12/6/2024 08:54:00	2.4	2.3	0.0	0.00	0.00	0.00	3.9	NNE
12/6/2024 08:55:00	2.4	2.3	0.0	0.00	0.00	0.00	3.8	NNE
12/6/2024 08:56:00	2.4	2.5	0.1	0.00	0.00	0.00	3.9	N
12/6/2024 08:57:00	2.4	2.5	0.1	0.00	0.00	0.00	3.9	NNE
12/6/2024 08:58:00	2.4	2.5	0.1	0.00	0.00	0.00	3.9	N
12/6/2024 08:59:00	2.4	2.3	0.0	0.00	0.00	0.00	3.6	WNW
12/6/2024 09:00:00	2.3	2.4	0.1	0.00	0.00	0.00	3.6	N
12/6/2024 09:01:00	2.0	2.8	0.8	0.00	0.00	0.00	3.5	N
12/6/2024 09:02:00	2.0	2.7	0.7	0.00	0.00	0.00	3.4	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 09:03:00	2.0	2.6	0.6	0.00	0.00	0.00	3.3	NW
12/6/2024 09:04:00	2.1	2.3	0.1	0.00	0.00	0.00	3.2	NNE
12/6/2024 09:05:00	2.0	2.3	0.3	0.00	0.00	0.00	3.2	NNE
12/6/2024 09:06:00	1.8	2.8	1.0	0.00	0.00	0.00	3.1	NW
12/6/2024 09:07:00	2.0	2.8	0.8	0.00	0.00	0.00	3.2	NNE
12/6/2024 09:08:00	2.1	2.8	0.7	0.00	0.00	0.00	3.1	NW
12/6/2024 09:09:00	2.1	2.9	0.8	0.00	0.00	0.00	3.0	WNW
12/6/2024 09:10:00	2.0	3.3	1.3	0.00	0.00	0.00	3.0	NNW
12/6/2024 09:11:00	2.2	3.2	1.0	0.00	0.00	0.00	2.9	NNE
12/6/2024 09:12:00	2.2	3.2	1.0	0.00	0.00	0.00	2.8	N
12/6/2024 09:13:00	2.2	3.2	0.9	0.00	0.00	0.00	2.8	NNE
12/6/2024 09:14:00	2.3	3.2	0.8	0.00	0.00	0.00	2.9	N
12/6/2024 09:15:00	2.4	3.0	0.7	0.00	0.00	0.00	2.7	NE
12/6/2024 09:16:00	2.5	2.7	0.2	0.00	0.00	0.00	2.6	NNE
12/6/2024 09:17:00	2.5	2.6	0.1	0.00	0.00	0.00	2.5	NNE
12/6/2024 09:18:00	2.5	2.6	0.1	0.00	0.00	0.00	2.5	N
12/6/2024 09:19:00	2.4	2.6	0.3	0.00	0.00	0.00	2.5	N
12/6/2024 09:20:00	2.3	2.6	0.3	0.00	0.00	0.00	2.5	NE
12/6/2024 09:21:00	2.3	2.2	0.0	0.00	0.00	0.00	2.2	WSW
12/6/2024 09:22:00	1.9	2.2	0.2	0.00	0.00	0.00	2.0	NW
12/6/2024 09:23:00	2.0	2.1	0.1	0.00	0.00	0.00	2.0	NNE
12/6/2024 09:24:00	2.1	2.0	0.0	0.00	0.00	0.00	2.1	NNE
12/6/2024 09:25:00	2.1	1.7	0.0	0.00	0.00	0.00	2.1	N
12/6/2024 09:26:00	2.0	1.7	0.0	0.00	0.00	0.00	2.3	NNW
12/6/2024 09:27:00	2.0	1.9	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 09:28:00	2.0	2.0	0.1	0.00	0.00	0.00	2.4	NNE
12/6/2024 09:29:00	1.9	2.1	0.1	0.00	0.00	0.00	2.3	WNW
12/6/2024 09:30:00	1.9	2.1	0.2	0.00	0.00	0.00	2.6	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 09:31:00	1.8	2.3	0.4	0.00	0.00	0.00	2.7	NE
12/6/2024 09:32:00	1.9	2.4	0.5	0.00	0.00	0.00	2.8	NNE
12/6/2024 09:33:00	2.0	2.4	0.4	0.00	0.00	0.00	2.7	WNW
12/6/2024 09:34:00	2.1	2.7	0.5	0.00	0.00	0.00	2.8	NW
12/6/2024 09:35:00	2.4	2.8	0.4	0.00	0.00	0.00	2.9	NNE
12/6/2024 09:36:00	2.5	2.8	0.3	0.00	0.00	0.00	3.2	NE
12/6/2024 09:37:00	2.6	2.9	0.3	0.00	0.00	0.00	3.3	NNE
12/6/2024 09:38:00	2.6	2.9	0.3	0.00	0.00	0.00	3.2	W
12/6/2024 09:39:00	2.6	3.0	0.4	0.00	0.00	0.00	3.1	WNW
12/6/2024 09:40:00	2.7	2.9	0.3	0.00	0.00	0.00	3.1	N
12/6/2024 09:41:00	2.7	2.9	0.2	0.00	0.00	0.00	3.1	N
12/6/2024 09:42:00	2.7	2.7	0.0	0.00	0.00	0.00	3.1	N
12/6/2024 09:43:00	2.7	2.6	0.0	0.00	0.00	0.00	3.1	N
12/6/2024 09:44:00	2.8	2.6	0.0	0.00	0.00	0.00	3.2	NE
12/6/2024 09:45:00	2.8	2.6	0.0	0.00	0.00	0.00	2.9	ENE
12/6/2024 09:46:00	2.8	2.5	0.0	0.00	0.00	0.00	3.0	NE
12/6/2024 09:47:00	2.8	2.5	0.0	0.00	0.00	0.00	3.0	NNW
12/6/2024 09:48:00	2.8	2.6	0.0	0.00	0.00	0.00	3.1	NW
12/6/2024 09:49:00	2.7	2.4	0.0	0.00	0.00	0.00	3.0	WNW
12/6/2024 09:50:00	2.5	2.4	0.0	0.00	0.00	0.00	2.9	NNE
12/6/2024 09:51:00	2.5	2.4	0.0	0.00	0.00	0.00	2.8	NNW
12/6/2024 09:52:00	2.5	2.4	0.0	0.00	0.00	0.00	2.9	NNE
12/6/2024 09:53:00	2.4	2.4	0.0	0.00	0.00	0.00	3.0	N
12/6/2024 09:54:00	2.4	2.4	0.0	0.00	0.00	0.00	3.1	NE
12/6/2024 09:55:00	2.3	2.4	0.1	0.00	0.00	0.00	3.1	NNE
12/6/2024 09:56:00	2.3	2.4	0.1	0.00	0.00	0.00	3.1	NNW
12/6/2024 09:57:00	2.3	2.5	0.1	0.00	0.00	0.00	3.2	NNE
12/6/2024 09:58:00	2.3	2.5	0.2	0.00	0.00	0.00	3.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 09:59:00	2.2	2.5	0.2	0.00	0.00	0.00	3.2	NNE
12/6/2024 10:00:00	2.2	2.4	0.3	0.00	0.00	0.00	3.3	NE
12/6/2024 10:01:00	2.2	2.5	0.3	0.00	0.00	0.00	3.2	NE
12/6/2024 10:02:00	2.3	2.4	0.1	0.00	0.00	0.00	3.2	NNE
12/6/2024 10:03:00	3.0	2.3	0.0	0.00	0.00	0.00	3.3	NNE
12/6/2024 10:04:00	3.1	2.3	0.0	0.00	0.00	0.00	3.6	NE
12/6/2024 10:05:00	3.1	2.2	0.0	0.00	0.00	0.00	3.5	NNW
12/6/2024 10:06:00	3.0	2.2	0.0	0.00	0.00	0.00	3.8	NNE
12/6/2024 10:07:00	3.1	2.2	0.0	0.00	0.00	0.00	3.9	NNE
12/6/2024 10:08:00	3.1	2.3	0.0	0.00	0.00	0.00	4.1	NE
12/6/2024 10:09:00	3.1	2.3	0.0	0.00	0.00	0.00	4.0	NW
12/6/2024 10:10:00	3.2	2.3	0.0	0.00	0.00	0.00	3.8	WNW
12/6/2024 10:11:00	3.1	2.3	0.0	0.00	0.00	0.00	3.8	NNE
12/6/2024 10:12:00	3.2	2.2	0.0	0.00	0.00	0.00	3.9	NE
12/6/2024 10:13:00	3.1	2.3	0.0	0.00	0.00	0.00	3.8	N
12/6/2024 10:14:00	3.1	2.3	0.0	0.00	0.00	0.00	3.8	N
12/6/2024 10:15:00	3.1	2.4	0.0	0.00	0.00	0.00	3.8	NW
12/6/2024 10:16:00	3.4	2.3	0.0	0.00	0.00	0.00	3.9	NE
12/6/2024 10:17:00	3.5	2.3	0.0	0.00	0.00	0.00	3.8	NNE
12/6/2024 10:18:00	2.7	2.5	0.0	0.00	0.00	0.00	3.5	W
12/6/2024 10:19:00	2.6	2.5	0.0	0.00	0.00	0.00	3.3	N
12/6/2024 10:20:00	2.7	2.5	0.0	0.00	0.00	0.00	3.4	NNE
12/6/2024 10:21:00	2.7	2.5	0.0	0.00	0.00	0.00	3.0	NNE
12/6/2024 10:22:00	2.6	2.6	0.0	0.00	0.00	0.00	3.0	N
12/6/2024 10:23:00	2.7	2.5	0.0	0.00	0.00	0.00	2.7	E
12/6/2024 10:24:00	2.7	2.5	0.0	0.00	0.00	0.00	2.7	NNE
12/6/2024 10:25:00	2.7	2.5	0.0	0.00	0.00	0.00	2.8	NE
12/6/2024 10:26:00	2.7	2.5	0.0	0.00	0.00	0.00	2.7	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 10:27:00	2.6	2.5	0.0	0.00	0.00	0.00	2.5	NNW
12/6/2024 10:28:00	2.6	2.4	0.0	0.00	0.00	0.00	2.5	NNW
12/6/2024 10:29:00	2.6	2.4	0.0	0.00	0.00	0.00	2.5	NNE
12/6/2024 10:30:00	2.7	2.2	0.0	0.00	0.00	0.00	2.4	NE
12/6/2024 10:31:00	2.4	2.2	0.0	0.00	0.00	0.00	2.3	NNE
12/6/2024 10:32:00	2.0	2.2	0.2	0.00	0.00	0.00	2.3	NNE
12/6/2024 10:33:00	2.1	2.0	0.0	0.00	0.00	0.00	2.5	NNE
12/6/2024 10:34:00	2.1	1.9	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 10:35:00	2.0	1.9	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 10:36:00	2.0	1.9	0.0	0.00	0.00	0.00	2.4	WNW
12/6/2024 10:37:00	2.0	1.7	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 10:38:00	1.8	1.7	0.0	0.00	0.00	0.00	2.4	ENE
12/6/2024 10:39:00	1.8	1.7	0.0	0.00	0.00	0.00	2.3	E
12/6/2024 10:40:00	1.7	1.7	0.0	0.00	0.00	0.00	2.2	NW
12/6/2024 10:41:00	1.7	1.6	0.0	0.00	0.00	0.00	2.2	NNW
12/6/2024 10:42:00	1.6	1.6	0.0	0.00	0.00	0.00	2.2	N
12/6/2024 10:43:00	1.6	1.6	0.0	0.00	0.00	0.00	2.2	NNE
12/6/2024 10:44:00	1.6	1.5	0.0	0.00	0.00	0.00	2.2	NNE
12/6/2024 10:45:00	1.6	1.5	0.0	0.00	0.00	0.00	1.9	S
12/6/2024 10:46:00	1.6	1.5	0.0	0.00	0.00	0.00	2.0	N
12/6/2024 10:47:00	1.6	1.5	0.0	0.00	0.00	0.00	1.8	W
12/6/2024 10:48:00	1.6	1.5	0.0	0.00	0.00	0.00	1.7	W
12/6/2024 10:49:00	1.6	1.5	0.0	0.00	0.00	0.00	1.8	WNW
12/6/2024 10:50:00	1.6	1.5	0.0	0.00	0.00	0.00	1.7	N
12/6/2024 10:51:00	1.6	1.5	0.0	0.00	0.00	0.00	1.7	NE
12/6/2024 10:52:00	1.6	1.5	0.0	0.00	0.00	0.00	1.7	NE
12/6/2024 10:53:00	1.6	1.5	0.0	0.00	0.00	0.00	1.9	NE
12/6/2024 10:54:00	1.6	1.5	0.0	0.00	0.00	0.00	2.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 10:55:00	1.6	1.5	0.0	0.00	0.00	0.00	2.2	NE
12/6/2024 10:56:00	1.6	1.5	0.0	0.00	0.00	0.00	2.2	N
12/6/2024 10:57:00	1.6	1.5	0.0	0.00	0.00	0.00	2.2	NNE
12/6/2024 10:58:00	1.7	1.6	0.0	0.00	0.00	0.00	2.1	NE
12/6/2024 10:59:00	1.7	1.6	0.0	0.00	0.00	0.00	2.1	NNE
12/6/2024 11:00:00	1.7	1.5	0.0	0.00	0.00	0.00	2.2	WSW
12/6/2024 11:01:00	1.6	1.5	0.0	0.00	0.00	0.00	2.0	NE
12/6/2024 11:02:00	1.6	1.5	0.0	0.00	0.00	0.00	2.3	NNE
12/6/2024 11:03:00	2.4	1.5	0.0	0.00	0.00	0.00	2.6	NE
12/6/2024 11:04:00	2.4	1.9	0.0	0.00	0.00	0.00	2.8	N
12/6/2024 11:05:00	2.5	1.9	0.0	0.00	0.00	0.00	3.0	NNE
12/6/2024 11:06:00	2.5	2.0	0.0	0.00	0.00	0.00	3.1	N
12/6/2024 11:07:00	2.6	2.0	0.0	0.00	0.00	0.00	2.9	N
12/6/2024 11:08:00	2.7	2.0	0.0	0.00	0.00	0.00	2.8	NNE
12/6/2024 11:09:00	2.7	2.0	0.0	0.00	0.00	0.00	2.8	NE
12/6/2024 11:10:00	2.8	2.0	0.0	0.00	0.00	0.00	2.7	NNE
12/6/2024 11:11:00	2.8	2.0	0.0	0.00	0.00	0.00	2.9	NNE
12/6/2024 11:12:00	2.9	2.0	0.0	0.00	0.00	0.00	3.0	NNE
12/6/2024 11:13:00	2.9	2.0	0.0	0.00	0.00	0.00	3.2	NNE
12/6/2024 11:14:00	2.9	2.1	0.0	0.00	0.00	0.00	3.1	WNW
12/6/2024 11:15:00	3.0	2.1	0.0	0.00	0.00	0.00	3.4	NE
12/6/2024 11:16:00	3.0	2.1	0.0	0.00	0.00	0.00	3.5	NE
12/6/2024 11:17:00	3.0	2.2	0.0	0.00	0.00	0.00	3.5	NNE
12/6/2024 11:18:00	2.2	2.2	0.0	0.00	0.00	0.00	3.5	NE
12/6/2024 11:19:00	2.2	1.8	0.0	0.00	0.00	0.00	3.6	NNE
12/6/2024 11:20:00	2.1	1.8	0.0	0.00	0.00	0.00	3.5	N
12/6/2024 11:21:00	2.2	1.7	0.0	0.00	0.00	0.00	3.3	N
12/6/2024 11:22:00	2.0	1.7	0.0	0.00	0.00	0.00	3.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 11:23:00	1.9	1.7	0.0	0.00	0.00	0.00	3.4	NNE
12/6/2024 11:24:00	1.9	1.7	0.0	0.00	0.00	0.00	3.3	NNW
12/6/2024 11:25:00	1.8	1.8	0.0	0.00	0.00	0.00	3.2	N
12/6/2024 11:26:00	1.9	1.8	0.0	0.00	0.00	0.00	3.1	NE
12/6/2024 11:27:00	1.8	1.8	0.0	0.00	0.00	0.00	3.0	NNE
12/6/2024 11:28:00	1.8	1.8	0.0	0.00	0.00	0.00	2.7	NNE
12/6/2024 11:29:00	1.8	1.6	0.0	0.00	0.00	0.00	2.8	NNE
12/6/2024 11:30:00	2.0	1.7	0.0	0.00	0.00	0.00	2.9	NE
12/6/2024 11:31:00	2.0	1.7	0.0	0.00	0.00	0.00	3.1	NE
12/6/2024 11:32:00	2.1	1.6	0.0	0.00	0.00	0.00	3.1	NNE
12/6/2024 11:33:00	2.1	1.6	0.0	0.00	0.00	0.00	3.0	NNE
12/6/2024 11:34:00	2.1	1.6	0.0	0.00	0.00	0.00	3.0	N
12/6/2024 11:35:00	2.1	1.7	0.0	0.00	0.00	0.00	2.8	W
12/6/2024 11:36:00	2.1	1.7	0.0	0.00	0.00	0.00	2.7	NNW
12/6/2024 11:37:00	2.1	1.7	0.0	0.00	0.00	0.00	2.5	WNW
12/6/2024 11:38:00	2.1	1.7	0.0	0.00	0.00	0.00	2.6	N
12/6/2024 11:39:00	2.1	1.7	0.0	0.00	0.00	0.00	2.6	NNE
12/6/2024 11:40:00	2.1	1.6	0.0	0.00	0.00	0.00	2.5	WNW
12/6/2024 11:41:00	2.1	1.8	0.0	0.00	0.00	0.00	2.4	WNW
12/6/2024 11:42:00	2.2	1.8	0.0	0.00	0.00	0.00	2.6	NNE
12/6/2024 11:43:00	2.4	1.8	0.0	0.00	0.00	0.00	2.7	NE
12/6/2024 11:44:00	2.4	1.8	0.0	0.00	0.00	0.00	2.7	NE
12/6/2024 11:45:00	2.3	1.8	0.0	0.00	0.00	0.00	2.8	NNE
12/6/2024 11:46:00	2.3	1.8	0.0	0.00	0.00	0.00	2.5	W
12/6/2024 11:47:00	2.2	1.9	0.0	0.00	0.00	0.00	2.5	N
12/6/2024 11:48:00	2.1	2.1	0.0	0.00	0.00	0.00	2.5	NW
12/6/2024 11:49:00	2.3	2.1	0.0	0.00	0.00	0.00	2.3	NNE
12/6/2024 11:50:00	2.3	2.1	0.0	0.00	0.00	0.00	2.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/6/2024 11:51:00	2.3	2.1	0.0	0.00	0.00	0.00	2.4	NE
12/6/2024 11:52:00	2.3	2.1	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 11:53:00	2.4	2.2	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 11:54:00	2.4	2.2	0.0	0.00	0.00	0.00	2.4	NNE
12/6/2024 11:55:00	2.4	2.2	0.0	0.00	0.00	0.00	2.3	WSW
12/6/2024 11:56:00	2.4	2.1	0.0	0.00	0.00	0.00	2.5	NNE
12/6/2024 11:57:00	2.4	2.1	0.0	0.00	0.00	0.00	2.2	WSW
12/6/2024 11:58:00	2.1	2.1	0.0	0.00	0.00	0.00	1.9	WNW
12/6/2024 11:59:00	2.1	2.2	0.1	0.00	0.00	0.00	1.8	WNW
12/6/2024 12:00:00	2.0	2.2	0.1	0.00	0.00	0.00	1.6	W
12/6/2024 12:01:00	2.0	2.1	0.1	0.00	0.00	0.00	1.7	N
12/6/2024 12:02:00	2.1	2.0	0.0	0.00	0.00	0.00	1.7	NE
12/6/2024 12:03:00	2.1	1.9	0.0	0.00	0.00	0.00	1.7	WNW
12/6/2024 12:04:00	1.9	1.9	0.1	0.00	0.00	0.00	1.7	WNW

DAILY FIELD REPORT 161

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 7, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 11:00 am

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon excavated an about 15-foot-long by 15-foot-wide area to about 10-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odor and a maximum PID reading of 10.2 parts per million (ppm) were observed. A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin. Odor suppressant foam was applied as needed to mitigate odor during excavation and stockpiling.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the south-central part of Block 25 to prepare for 3- to 5-inch rip rap backfill.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the south-central part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of geotextile fabric to construct waterfront structures in the south-central part of ABC Block 25.
- Trevcon backfilled an about 15-foot-long by 5-foot-wide area with 2- to 3-foot jetty stone on top of geotextile fabric to construct waterfront structures in the south-central part of ABC Block 25.

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**78**
	Quantity (CY)	0	**1540**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**32**
		Quantity (CY)	0	**630**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**39**
		Quantity (CY)	0	**820**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

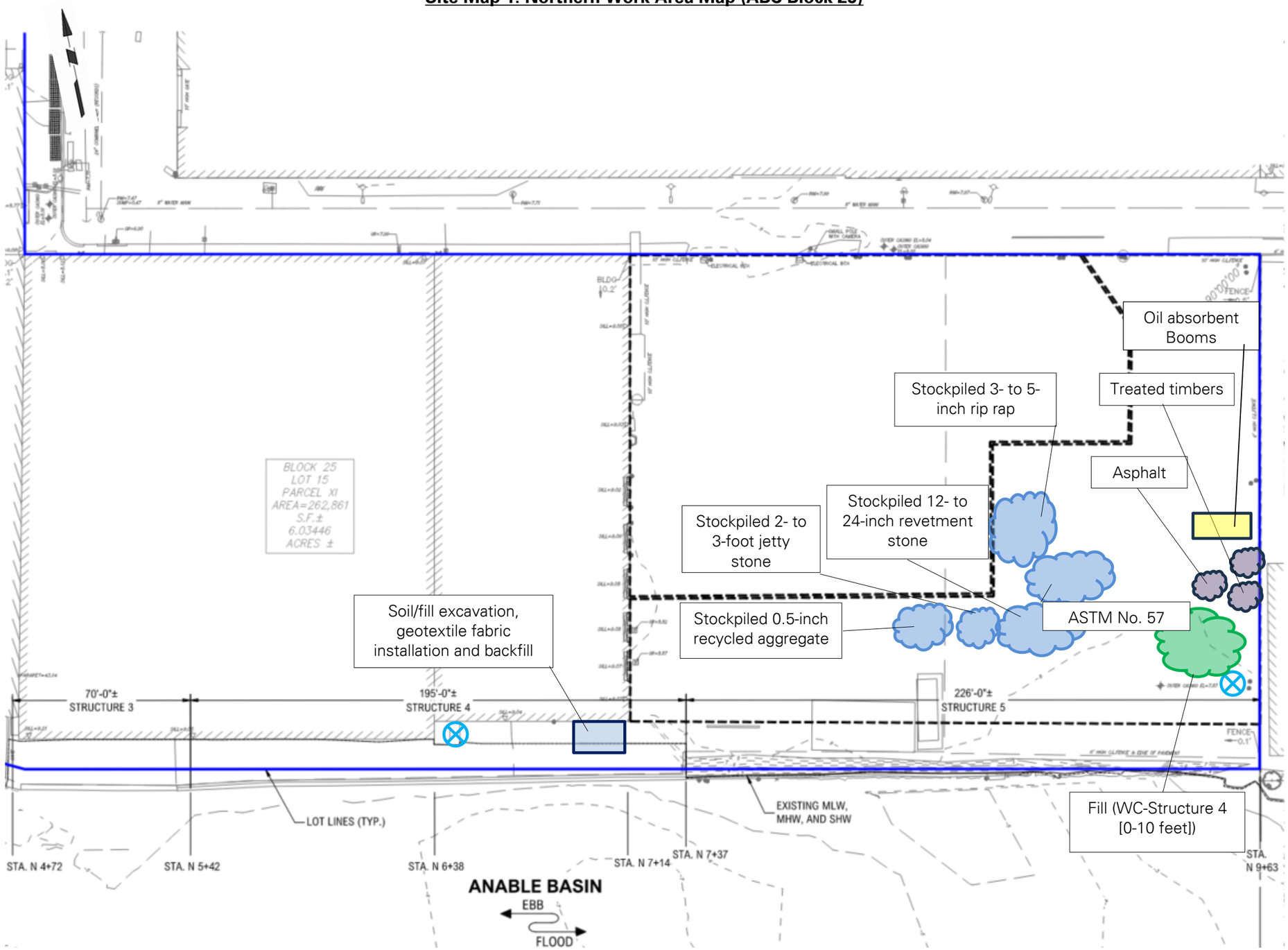
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

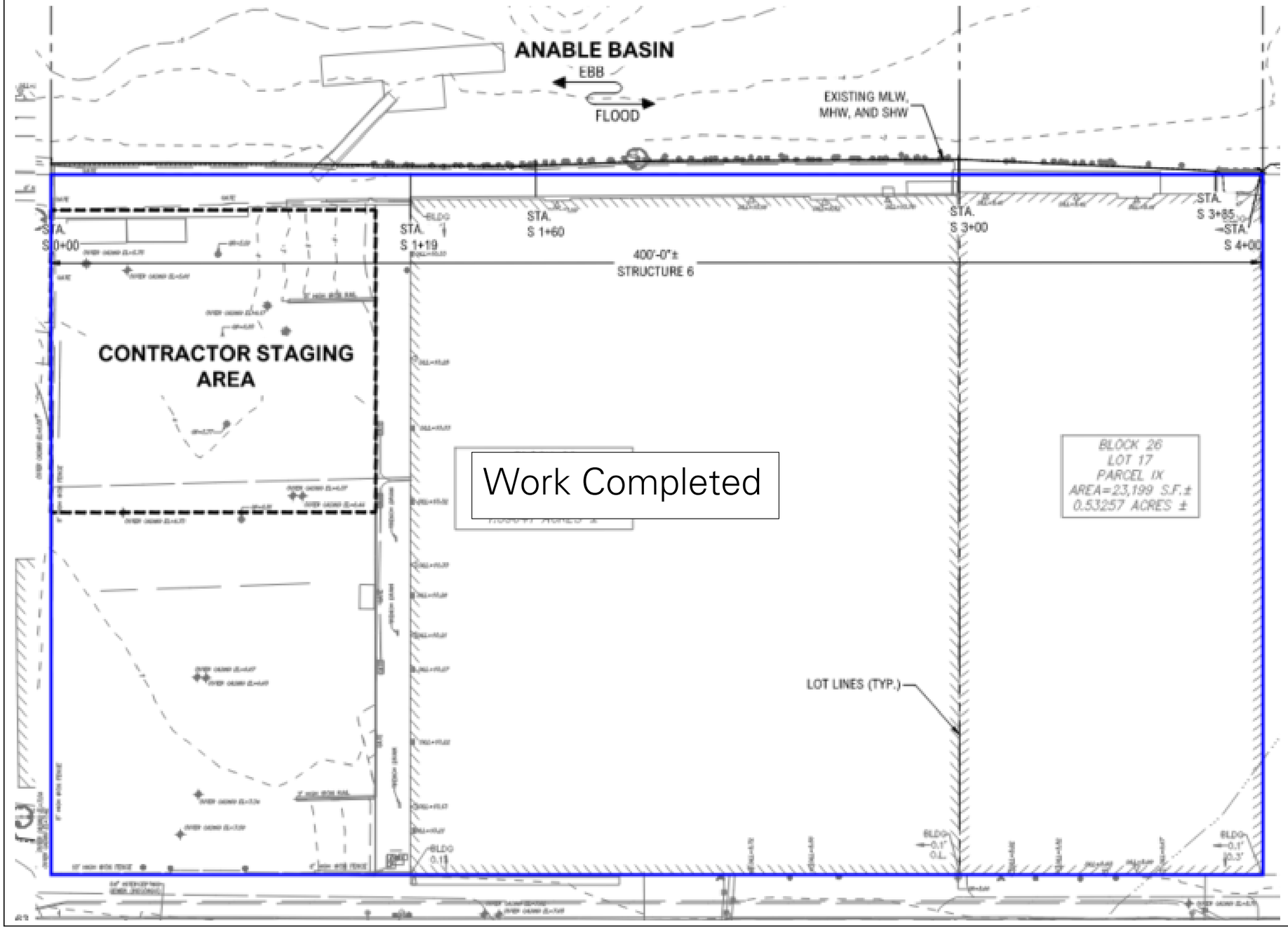
Site Map 1: Northern Work Area Map (ABC Block 25)



Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

Site Map 2: Southern Work Area Map (ABC Block 26)

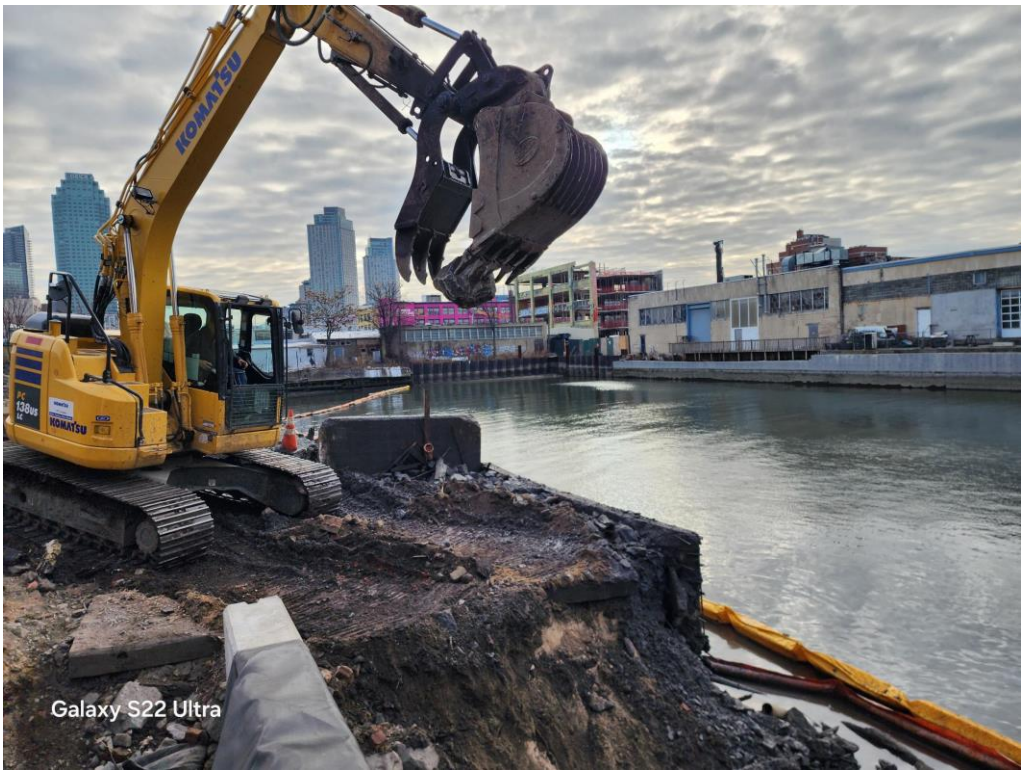


LEGEND

Approximate Site Boundary

General Area of Work

Photo Log

Photo 1: Trevcon excavating soil/fill in the south-central part of ABC Block 25 (facing southeast).	
Photo 2: Trevcon backfilling 12- to 24-inch revetment stone in the south-central part of ABC Block 25 (facing southeast).	

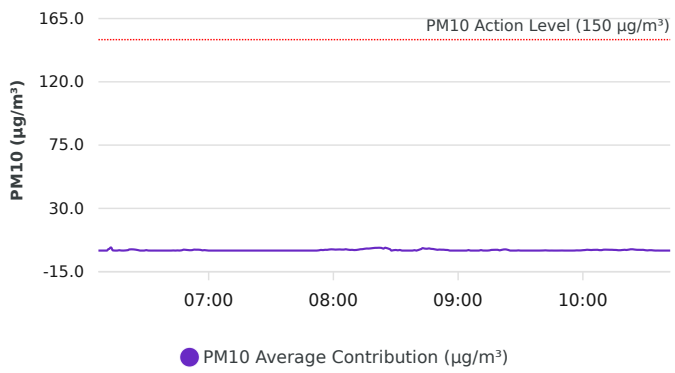
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/7/2024 04:00
		To:	12/7/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/7/2024	0.4-6.8	N

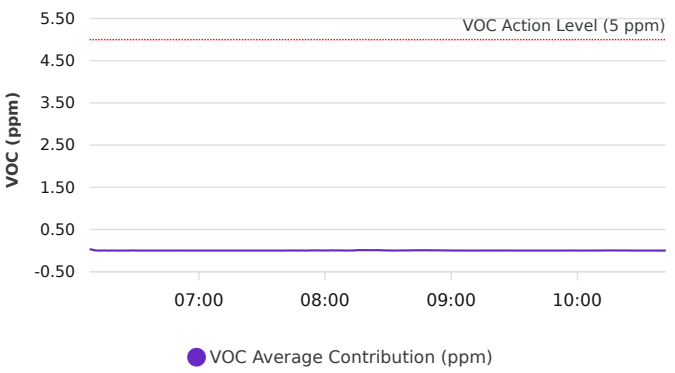
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/7/2024	0.0	06:07	0.00	06:12
Max Contribution (15 min avg.) - 12/7/2024	2.2	06:13	0.03	06:08



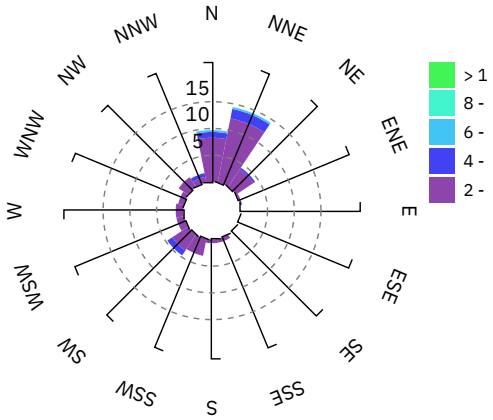
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 06:06:00							2.4	S
12/7/2024 06:07:00	10.7	6.6	0.0				1.8	SSW
12/7/2024 06:08:00	11.3	6.8	0.0	0.00	0.03	0.03	1.2	WNW
12/7/2024 06:09:00	11.6	6.9	0.0	0.01	0.03	0.03	1.2	SSW
12/7/2024 06:10:00	10.5	8.5	0.0	0.01	0.02	0.01	0.7	NNE
12/7/2024 06:11:00	9.8	9.5	0.0	0.02	0.02	0.00	0.3	NE
12/7/2024 06:12:00	9.0	10.1	1.1	0.02	0.02	0.00	0.2	ENE
12/7/2024 06:13:00	8.4	10.6	2.2	0.02	0.02	0.00	0.3	ENE
12/7/2024 06:14:00	9.7	9.8	0.1	0.02	0.02	0.00	0.3	SSW
12/7/2024 06:15:00	10.0	9.2	0.0	0.01	0.02	0.00	0.1	W
12/7/2024 06:16:00	9.4	9.3	0.0	0.01	0.01	0.00	0.1	NE
12/7/2024 06:17:00	8.9	9.2	0.3	0.01	0.01	0.00	0.3	NNE
12/7/2024 06:18:00	8.8	8.8	0.0	0.01	0.01	0.00	0.3	WNW
12/7/2024 06:19:00	8.7	8.5	0.0	0.01	0.01	0.00	0.2	SW
12/7/2024 06:20:00	8.4	8.5	0.1	0.01	0.01	0.00	0.2	ENE
12/7/2024 06:21:00	8.1	8.4	0.3	0.01	0.01	0.00	0.4	NNE
12/7/2024 06:22:00	7.7	8.5	0.8	0.01	0.01	0.00	0.5	NNE
12/7/2024 06:23:00	7.5	8.3	0.9	0.01	0.01	0.00	0.4	SSW
12/7/2024 06:24:00	7.3	8.2	0.8	0.01	0.01	0.00	0.4	SW
12/7/2024 06:25:00	7.1	7.8	0.6	0.01	0.01	0.00	0.2	SSE
12/7/2024 06:26:00	6.9	7.3	0.3	0.01	0.01	0.00	0.0	S
12/7/2024 06:27:00	7.0	6.7	0.0	0.01	0.01	0.00	0.2	WNW
12/7/2024 06:28:00	7.6	6.1	0.0	0.01	0.01	0.00	0.3	SW
12/7/2024 06:29:00	6.6	6.6	0.0	0.01	0.01	0.00	0.2	ENE
12/7/2024 06:30:00	6.4	6.7	0.3	0.01	0.01	0.00	0.2	WSW
12/7/2024 06:31:00	6.4	6.5	0.0	0.01	0.01	0.00	0.2	NNE
12/7/2024 06:32:00	6.6	6.4	0.0	0.01	0.01	0.00	0.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 06:33:00	6.8	6.4	0.0	0.01	0.01	0.00	0.1	NNE
12/7/2024 06:34:00	6.7	6.7	0.0	0.01	0.01	0.00	0.4	NE
12/7/2024 06:35:00	6.8	6.6	0.0	0.01	0.01	0.00	0.5	NE
12/7/2024 06:36:00	6.9	6.6	0.0	0.01	0.01	0.00	0.6	NNE
12/7/2024 06:37:00	7.0	6.4	0.0	0.01	0.01	0.00	0.5	SSW
12/7/2024 06:38:00	7.3	6.5	0.0	0.01	0.01	0.00	0.5	WNW
12/7/2024 06:39:00	7.0	6.6	0.0	0.01	0.01	0.00	0.7	NNW
12/7/2024 06:40:00	7.2	6.5	0.0	0.01	0.01	0.00	0.7	SSW
12/7/2024 06:41:00	7.3	6.5	0.0	0.01	0.01	0.00	0.9	ENE
12/7/2024 06:42:00	7.2	6.9	0.0	0.01	0.01	0.00	0.8	SE
12/7/2024 06:43:00	6.9	7.0	0.1	0.01	0.01	0.00	0.9	N
12/7/2024 06:44:00	7.0	6.7	0.0	0.01	0.01	0.00	1.0	NE
12/7/2024 06:45:00	6.7	6.8	0.1	0.01	0.01	0.00	1.1	ENE
12/7/2024 06:46:00	6.7	6.7	0.0	0.01	0.01	0.00	1.1	NE
12/7/2024 06:47:00	6.5	6.7	0.2	0.01	0.01	0.00	0.9	S
12/7/2024 06:48:00	6.1	6.8	0.7	0.01	0.01	0.00	0.9	NE
12/7/2024 06:49:00	6.1	6.6	0.5	0.01	0.01	0.00	0.8	NNE
12/7/2024 06:50:00	6.1	6.5	0.4	0.01	0.01	0.00	0.6	SSW
12/7/2024 06:51:00	6.1	6.4	0.2	0.01	0.01	0.00	0.4	SW
12/7/2024 06:52:00	6.0	6.4	0.3	0.01	0.01	0.00	0.4	S
12/7/2024 06:53:00	5.6	6.3	0.7	0.01	0.01	0.00	0.3	SSW
12/7/2024 06:54:00	5.7	6.3	0.6	0.02	0.01	0.00	0.3	SSW
12/7/2024 06:55:00	5.6	6.2	0.6	0.02	0.01	0.00	0.2	WNW
12/7/2024 06:56:00	5.6	6.1	0.5	0.02	0.01	0.00	0.2	NE
12/7/2024 06:57:00	5.6	5.7	0.2	0.03	0.01	0.00	0.1	SW
12/7/2024 06:58:00	5.3	5.7	0.3	0.03	0.01	0.00	0.1	NNW
12/7/2024 06:59:00	5.3	5.5	0.2	0.03	0.01	0.00	0.0	NE
12/7/2024 07:00:00	5.3	5.3	0.0	0.03	0.01	0.00	0.1	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 07:01:00	5.4	5.2	0.0	0.03	0.01	0.00	0.5	SW
12/7/2024 07:02:00	5.5	5.0	0.0	0.03	0.01	0.00	0.6	SSW
12/7/2024 07:03:00	5.5	4.9	0.0	0.04	0.01	0.00	0.9	SW
12/7/2024 07:04:00	5.4	4.8	0.0	0.04	0.01	0.00	1.2	SSW
12/7/2024 07:05:00	5.5	4.8	0.0	0.04	0.01	0.00	1.1	WSW
12/7/2024 07:06:00	5.5	4.8	0.0	0.04	0.01	0.00	1.1	SSW
12/7/2024 07:07:00	5.5	4.7	0.0	0.05	0.01	0.00	1.2	SSW
12/7/2024 07:08:00	5.3	4.6	0.0	0.04	0.01	0.00	1.2	SSW
12/7/2024 07:09:00	5.1	4.6	0.0	0.04	0.01	0.00	1.1	SSW
12/7/2024 07:10:00	5.0	4.6	0.0	0.04	0.01	0.00	0.9	NE
12/7/2024 07:11:00	4.9	4.6	0.0	0.04	0.01	0.00	1.0	ENE
12/7/2024 07:12:00	4.8	4.5	0.0	0.03	0.01	0.00	0.9	NW
12/7/2024 07:13:00	4.8	4.5	0.0	0.03	0.01	0.00	0.9	NE
12/7/2024 07:14:00	4.7	4.6	0.0	0.03	0.01	0.00	1.0	NE
12/7/2024 07:15:00	4.7	4.6	0.0	0.03	0.01	0.00	1.0	SSW
12/7/2024 07:16:00	4.7	4.5	0.0	0.03	0.01	0.00	0.9	SW
12/7/2024 07:17:00	4.5	4.5	0.0	0.03	0.01	0.00	1.0	SSW
12/7/2024 07:18:00	4.5	4.4	0.0	0.03	0.01	0.00	0.8	E
12/7/2024 07:19:00	4.5	4.4	0.0	0.03	0.01	0.00	0.8	WSW
12/7/2024 07:20:00	4.5	4.3	0.0	0.03	0.01	0.00	0.9	WSW
12/7/2024 07:21:00	4.4	4.2	0.0	0.02	0.01	0.00	1.0	SSW
12/7/2024 07:22:00	4.4	4.1	0.0	0.02	0.01	0.00	0.9	WNW
12/7/2024 07:23:00	4.4	4.0	0.0	0.02	0.01	0.00	0.7	NW
12/7/2024 07:24:00	4.4	4.1	0.0	0.02	0.01	0.00	0.5	NE
12/7/2024 07:25:00	4.4	4.0	0.0	0.03	0.01	0.00	0.8	SSW
12/7/2024 07:26:00	4.4	3.9	0.0	0.03	0.01	0.00	1.1	SW
12/7/2024 07:27:00	4.3	3.9	0.0	0.03	0.01	0.00	1.1	NW
12/7/2024 07:28:00	4.4	3.9	0.0	0.03	0.01	0.00	1.3	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 07:29:00	4.4	3.7	0.0	0.03	0.01	0.00	1.4	SW
12/7/2024 07:30:00	4.4	3.8	0.0	0.02	0.01	0.00	1.3	E
12/7/2024 07:31:00	4.3	3.9	0.0	0.02	0.01	0.00	0.9	NNE
12/7/2024 07:32:00	4.3	3.9	0.0	0.02	0.01	0.00	0.7	N
12/7/2024 07:33:00	4.4	3.9	0.0	0.02	0.01	0.00	0.7	N
12/7/2024 07:34:00	4.3	3.9	0.0	0.02	0.01	0.00	0.6	NE
12/7/2024 07:35:00	4.3	3.9	0.0	0.01	0.01	0.00	0.6	W
12/7/2024 07:36:00	4.4	4.0	0.0	0.01	0.01	0.00	0.6	SW
12/7/2024 07:37:00	4.4	3.9	0.0	0.01	0.01	0.00	0.6	SW
12/7/2024 07:38:00	4.4	3.9	0.0	0.01	0.01	0.00	0.6	W
12/7/2024 07:39:00	4.5	3.8	0.0	0.01	0.01	0.00	0.7	SSW
12/7/2024 07:40:00	4.5	4.0	0.0	0.01	0.01	0.00	0.6	NNE
12/7/2024 07:41:00	4.6	3.9	0.0	0.01	0.01	0.00	0.5	N
12/7/2024 07:42:00	4.5	4.0	0.0	0.00	0.01	0.00	0.3	NE
12/7/2024 07:43:00	4.5	3.9	0.0	0.01	0.01	0.00	0.5	N
12/7/2024 07:44:00	4.6	3.9	0.0	0.01	0.01	0.00	0.5	SW
12/7/2024 07:45:00	4.6	3.8	0.0	0.01	0.01	0.00	0.4	SSW
12/7/2024 07:46:00	4.6	3.8	0.0	0.01	0.01	0.00	0.4	NNE
12/7/2024 07:47:00	4.5	3.8	0.0	0.01	0.01	0.00	0.3	NE
12/7/2024 07:48:00	4.5	3.8	0.0	0.01	0.01	0.00	0.2	ENE
12/7/2024 07:49:00	4.5	3.8	0.0	0.01	0.01	0.00	0.2	ENE
12/7/2024 07:50:00	4.4	3.9	0.0	0.01	0.01	0.00	0.1	SSW
12/7/2024 07:51:00	4.3	3.9	0.0	0.01	0.01	0.00	0.1	SSW
12/7/2024 07:52:00	4.3	4.2	0.0	0.01	0.01	0.00	0.2	ENE
12/7/2024 07:53:00	4.3	4.4	0.2	0.01	0.01	0.00	0.4	NE
12/7/2024 07:54:00	4.1	4.5	0.5	0.01	0.01	0.00	0.6	NE
12/7/2024 07:55:00	4.1	4.4	0.3	0.01	0.01	0.00	0.6	ESE
12/7/2024 07:56:00	4.0	4.6	0.6	0.00	0.01	0.01	0.5	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 07:57:00	4.0	4.6	0.5	0.00	0.01	0.00	0.4	NE
12/7/2024 07:58:00	4.0	4.8	0.8	0.00	0.01	0.00	0.4	NE
12/7/2024 07:59:00	4.0	4.9	0.9	0.00	0.01	0.00	0.6	ENE
12/7/2024 08:00:00	4.1	4.9	0.8	0.00	0.01	0.00	0.7	SSW
12/7/2024 08:01:00	4.2	4.9	0.7	0.01	0.01	0.00	0.7	N
12/7/2024 08:02:00	4.3	5.0	0.8	0.01	0.01	0.00	0.6	SSE
12/7/2024 08:03:00	4.3	5.1	0.8	0.01	0.01	0.01	0.6	ENE
12/7/2024 08:04:00	4.3	5.0	0.7	0.01	0.01	0.00	0.4	SW
12/7/2024 08:05:00	4.3	5.0	0.7	0.01	0.01	0.00	0.3	W
12/7/2024 08:06:00	4.1	5.1	0.9	0.01	0.01	0.00	0.5	NNE
12/7/2024 08:07:00	4.2	4.8	0.7	0.01	0.01	0.00	0.6	NNE
12/7/2024 08:08:00	4.2	4.7	0.5	0.01	0.01	0.00	0.5	NW
12/7/2024 08:09:00	4.2	4.8	0.5	0.01	0.01	0.00	0.5	NE
12/7/2024 08:10:00	4.4	4.7	0.3	0.01	0.01	0.00	0.4	SW
12/7/2024 08:11:00	4.3	4.8	0.4	0.01	0.01	0.00	0.4	E
12/7/2024 08:12:00	4.3	5.0	0.7	0.01	0.01	0.00	0.4	NE
12/7/2024 08:13:00	4.3	5.2	0.9	0.01	0.01	0.00	0.4	SE
12/7/2024 08:14:00	4.2	5.2	1.0	0.01	0.01	0.01	0.4	NE
12/7/2024 08:15:00	4.1	5.3	1.3	0.01	0.01	0.01	0.6	NNE
12/7/2024 08:16:00	4.0	5.5	1.5	0.01	0.02	0.01	0.6	NNE
12/7/2024 08:17:00	4.0	5.4	1.4	0.01	0.02	0.01	0.9	NNE
12/7/2024 08:18:00	4.0	5.5	1.6	0.01	0.01	0.01	1.0	NNE
12/7/2024 08:19:00	3.9	5.7	1.8	0.01	0.02	0.01	1.3	ENE
12/7/2024 08:20:00	3.8	5.8	1.9	0.01	0.02	0.01	1.5	NE
12/7/2024 08:21:00	3.9	5.8	1.9	0.01	0.02	0.01	1.5	NNE
12/7/2024 08:22:00	3.8	5.8	2.0	0.01	0.02	0.01	1.4	NE
12/7/2024 08:23:00	3.9	5.8	1.9	0.01	0.02	0.01	1.2	SSW
12/7/2024 08:24:00	4.2	5.6	1.4	0.01	0.01	0.01	1.0	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 08:25:00	4.0	6.0	2.0	0.01	0.01	0.01	1.1	SE
12/7/2024 08:26:00	4.2	5.8	1.6	0.01	0.01	0.01	0.9	W
12/7/2024 08:27:00	4.5	5.6	1.1	0.01	0.01	0.01	0.7	WSW
12/7/2024 08:28:00	5.0	5.0	0.0	0.01	0.01	0.01	0.8	NW
12/7/2024 08:29:00	5.0	5.3	0.3	0.01	0.01	0.00	0.9	NNE
12/7/2024 08:30:00	5.0	5.5	0.4	0.01	0.01	0.00	0.9	NE
12/7/2024 08:31:00	5.2	5.4	0.2	0.01	0.01	0.00	0.4	SW
12/7/2024 08:32:00	5.2	5.6	0.4	0.01	0.01	0.00	0.3	ENE
12/7/2024 08:33:00	5.4	5.4	0.0	0.01	0.01	0.00	0.3	NNW
12/7/2024 08:34:00	5.5	5.3	0.0	0.01	0.01	0.00	0.5	N
12/7/2024 08:35:00	5.6	5.3	0.0	0.01	0.01	0.00	0.6	N
12/7/2024 08:36:00	5.7	5.2	0.0	0.01	0.01	0.00	0.7	NW
12/7/2024 08:37:00	5.7	5.3	0.0	0.01	0.01	0.00	0.6	NE
12/7/2024 08:38:00	5.6	5.5	0.0	0.01	0.01	0.00	0.7	ENE
12/7/2024 08:39:00	5.3	5.6	0.3	0.01	0.01	0.00	0.9	NE
12/7/2024 08:40:00	5.4	5.4	0.0	0.01	0.01	0.00	1.0	NE
12/7/2024 08:41:00	5.2	5.7	0.5	0.01	0.01	0.01	1.2	NE
12/7/2024 08:42:00	4.9	5.9	1.0	0.01	0.02	0.01	1.3	NE
12/7/2024 08:43:00	4.4	6.1	1.7	0.01	0.02	0.01	1.4	ENE
12/7/2024 08:44:00	4.4	5.8	1.4	0.01	0.02	0.01	1.3	ENE
12/7/2024 08:45:00	4.4	5.6	1.3	0.01	0.02	0.01	1.2	NNE
12/7/2024 08:46:00	4.2	5.8	1.5	0.01	0.02	0.01	1.5	ESE
12/7/2024 08:47:00	4.3	5.5	1.2	0.01	0.02	0.01	1.2	S
12/7/2024 08:48:00	4.4	5.5	1.1	0.01	0.01	0.01	0.9	SW
12/7/2024 08:49:00	4.7	5.5	0.8	0.01	0.01	0.01	0.7	W
12/7/2024 08:50:00	5.0	5.5	0.6	0.01	0.01	0.01	0.6	N
12/7/2024 08:51:00	4.9	5.6	0.7	0.01	0.01	0.01	0.7	NE
12/7/2024 08:52:00	5.0	5.6	0.6	0.01	0.01	0.01	0.7	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 08:53:00	4.9	5.5	0.6	0.01	0.01	0.01	0.7	NNE
12/7/2024 08:54:00	5.0	5.5	0.5	0.01	0.01	0.01	0.6	N
12/7/2024 08:55:00	5.1	5.5	0.4	0.01	0.01	0.01	0.6	NE
12/7/2024 08:56:00	5.3	5.2	0.0	0.01	0.01	0.00	0.3	WSW
12/7/2024 08:57:00	5.3	5.1	0.0	0.01	0.01	0.00	0.3	NNE
12/7/2024 08:58:00	5.4	5.0	0.0	0.01	0.01	0.00	0.4	NW
12/7/2024 08:59:00	5.3	5.0	0.0	0.01	0.01	0.00	0.5	NNE
12/7/2024 09:00:00	5.5	4.8	0.0	0.01	0.01	0.00	0.5	N
12/7/2024 09:01:00	5.7	4.7	0.0	0.01	0.01	0.00	0.7	N
12/7/2024 09:02:00	5.6	4.8	0.0	0.01	0.01	0.00	1.0	NNE
12/7/2024 09:03:00	5.3	4.8	0.0	0.01	0.01	0.00	1.0	SSE
12/7/2024 09:04:00	5.0	4.8	0.0	0.01	0.01	0.00	0.9	SW
12/7/2024 09:05:00	4.6	5.0	0.3	0.01	0.01	0.00	1.0	NNE
12/7/2024 09:06:00	4.8	4.8	0.0	0.01	0.01	0.00	1.1	N
12/7/2024 09:07:00	4.9	4.6	0.0	0.01	0.01	0.00	1.0	W
12/7/2024 09:08:00	5.1	4.5	0.0	0.00	0.00	0.00	0.9	W
12/7/2024 09:09:00	5.0	4.6	0.0	0.00	0.00	0.00	0.9	ESE
12/7/2024 09:10:00	4.9	4.9	0.0	0.00	0.00	0.00	0.9	NE
12/7/2024 09:11:00	4.7	5.0	0.3	0.00	0.00	0.00	1.0	NE
12/7/2024 09:12:00	4.8	4.8	0.0	0.00	0.00	0.00	1.1	N
12/7/2024 09:13:00	4.8	4.9	0.0	0.00	0.00	0.00	1.1	NNW
12/7/2024 09:14:00	5.0	4.7	0.0	0.00	0.00	0.00	1.1	NW
12/7/2024 09:15:00	4.8	4.9	0.1	0.00	0.00	0.00	1.0	NE
12/7/2024 09:16:00	4.6	5.1	0.5	0.00	0.00	0.00	0.9	ENE
12/7/2024 09:17:00	4.7	5.2	0.5	0.00	0.00	0.00	0.7	SE
12/7/2024 09:18:00	4.7	5.2	0.6	0.00	0.00	0.00	0.7	S
12/7/2024 09:19:00	4.7	5.3	0.6	0.00	0.00	0.00	0.7	SSW
12/7/2024 09:20:00	4.9	5.1	0.1	0.00	0.00	0.00	0.5	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 09:21:00	4.7	5.2	0.5	0.00	0.00	0.00	0.5	NNE
12/7/2024 09:22:00	4.5	5.3	0.8	0.00	0.00	0.00	0.6	NNE
12/7/2024 09:23:00	4.5	5.3	0.8	0.00	0.00	0.00	0.6	W
12/7/2024 09:24:00	4.7	5.2	0.5	0.00	0.00	0.00	0.8	N
12/7/2024 09:25:00	5.0	4.8	0.0	0.00	0.00	0.00	0.5	SW
12/7/2024 09:26:00	5.1	4.7	0.0	0.00	0.00	0.00	0.6	N
12/7/2024 09:27:00	5.2	4.7	0.0	0.00	0.00	0.00	0.5	WNW
12/7/2024 09:28:00	5.0	4.9	0.0	0.00	0.00	0.00	0.5	NNE
12/7/2024 09:29:00	4.9	5.1	0.1	0.00	0.00	0.00	0.5	NNE
12/7/2024 09:30:00	5.1	4.9	0.0	0.00	0.00	0.00	0.5	SW
12/7/2024 09:31:00	5.2	5.1	0.0	0.00	0.00	0.00	0.5	NE
12/7/2024 09:32:00	5.4	4.9	0.0	0.00	0.00	0.00	0.7	WSW
12/7/2024 09:33:00	5.5	4.9	0.0	0.00	0.00	0.00	0.9	NNE
12/7/2024 09:34:00	5.5	4.9	0.0	0.00	0.00	0.00	1.0	N
12/7/2024 09:35:00	5.4	4.9	0.0	0.00	0.00	0.00	1.2	N
12/7/2024 09:36:00	5.5	4.9	0.0	0.00	0.00	0.00	1.3	NNE
12/7/2024 09:37:00	5.5	4.9	0.0	0.00	0.00	0.00	1.3	NNE
12/7/2024 09:38:00	5.3	5.0	0.0	0.00	0.00	0.00	1.5	NNE
12/7/2024 09:39:00	5.3	5.0	0.0	0.00	0.00	0.00	1.4	N
12/7/2024 09:40:00	5.1	5.1	0.0	0.00	0.00	0.00	1.9	N
12/7/2024 09:41:00	5.1	5.1	0.1	0.00	0.00	0.00	1.8	NW
12/7/2024 09:42:00	5.0	5.2	0.2	0.00	0.00	0.00	1.8	NNW
12/7/2024 09:43:00	5.0	5.1	0.1	0.00	0.00	0.00	1.9	NNE
12/7/2024 09:44:00	5.1	5.0	0.0	0.00	0.00	0.00	1.9	N
12/7/2024 09:45:00	5.1	5.1	0.0	0.00	0.00	0.00	2.3	NNE
12/7/2024 09:46:00	5.1	4.8	0.0	0.00	0.00	0.00	2.3	N
12/7/2024 09:47:00	5.0	4.8	0.0	0.00	0.00	0.00	2.6	NNW
12/7/2024 09:48:00	5.0	4.8	0.0	0.00	0.00	0.00	2.6	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 09:49:00	4.8	4.9	0.0	0.00	0.00	0.00	2.8	NNE
12/7/2024 09:50:00	4.8	4.9	0.1	0.00	0.00	0.00	2.9	NNW
12/7/2024 09:51:00	4.9	4.8	0.0	0.00	0.00	0.00	2.9	N
12/7/2024 09:52:00	5.1	4.8	0.0	0.00	0.00	0.00	2.9	NE
12/7/2024 09:53:00	5.1	5.0	0.0	0.00	0.00	0.00	2.8	W
12/7/2024 09:54:00	5.0	5.0	0.0	0.00	0.00	0.00	2.8	NNE
12/7/2024 09:55:00	5.2	5.0	0.0	0.00	0.00	0.00	2.8	NNE
12/7/2024 09:56:00	5.1	5.2	0.0	0.00	0.00	0.00	2.7	W
12/7/2024 09:57:00	5.1	5.2	0.1	0.00	0.00	0.00	2.8	NNE
12/7/2024 09:58:00	5.1	5.2	0.1	0.00	0.00	0.00	2.8	NE
12/7/2024 09:59:00	5.1	5.2	0.1	0.00	0.00	0.00	3.0	NNE
12/7/2024 10:00:00	5.1	5.4	0.3	0.00	0.00	0.00	3.2	N
12/7/2024 10:01:00	5.0	5.4	0.4	0.00	0.00	0.00	3.3	NNE
12/7/2024 10:02:00	5.0	5.6	0.6	0.00	0.00	0.00	3.2	NNE
12/7/2024 10:03:00	5.0	5.5	0.5	0.00	0.00	0.00	3.2	NNW
12/7/2024 10:04:00	5.1	5.5	0.4	0.00	0.00	0.00	3.2	N
12/7/2024 10:05:00	5.0	5.5	0.5	0.00	0.00	0.00	3.3	NNE
12/7/2024 10:06:00	5.0	5.5	0.5	0.00	0.00	0.00	3.3	N
12/7/2024 10:07:00	4.8	5.4	0.6	0.00	0.00	0.00	3.3	N
12/7/2024 10:08:00	4.8	5.1	0.3	0.00	0.00	0.00	3.2	WSW
12/7/2024 10:09:00	4.8	5.1	0.3	0.00	0.00	0.00	3.3	NNE
12/7/2024 10:10:00	4.7	5.3	0.6	0.00	0.00	0.00	3.3	N
12/7/2024 10:11:00	4.7	5.3	0.7	0.00	0.00	0.00	3.5	NNW
12/7/2024 10:12:00	4.7	5.3	0.6	0.00	0.00	0.00	3.4	NW
12/7/2024 10:13:00	4.8	5.3	0.6	0.00	0.00	0.00	3.4	N
12/7/2024 10:14:00	4.8	5.3	0.6	0.00	0.00	0.00	3.2	NNE
12/7/2024 10:15:00	4.8	5.2	0.5	0.00	0.00	0.00	3.0	N
12/7/2024 10:16:00	4.8	5.2	0.4	0.00	0.00	0.00	3.1	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/7/2024 10:17:00	4.9	5.1	0.2	0.00	0.00	0.00	3.0	NNE
12/7/2024 10:18:00	4.9	5.2	0.3	0.00	0.00	0.00	3.0	NNE
12/7/2024 10:19:00	5.0	5.4	0.4	0.00	0.00	0.00	3.0	N
12/7/2024 10:20:00	5.0	5.6	0.6	0.00	0.00	0.00	3.0	N
12/7/2024 10:21:00	5.2	5.7	0.4	0.00	0.00	0.00	3.0	NNE
12/7/2024 10:22:00	5.3	6.0	0.7	0.00	0.00	0.00	2.8	WNW
12/7/2024 10:23:00	5.4	6.3	0.9	0.00	0.00	0.00	3.0	WNW
12/7/2024 10:24:00	5.5	6.4	0.9	0.00	0.00	0.00	2.9	NNE
12/7/2024 10:25:00	5.6	6.3	0.7	0.00	0.00	0.00	2.8	NW
12/7/2024 10:26:00	5.7	6.2	0.5	0.00	0.00	0.00	2.7	NW
12/7/2024 10:27:00	5.7	6.3	0.5	0.00	0.00	0.00	2.7	NNE
12/7/2024 10:28:00	5.8	6.3	0.5	0.00	0.00	0.00	2.4	WSW
12/7/2024 10:29:00	5.8	6.4	0.5	0.00	0.00	0.00	2.3	NNE
12/7/2024 10:30:00	6.1	6.4	0.3	0.00	0.00	0.00	2.2	N
12/7/2024 10:31:00	6.3	6.4	0.1	0.00	0.00	0.00	2.0	W
12/7/2024 10:32:00	6.2	6.5	0.3	0.00	0.00	0.00	1.9	NE
12/7/2024 10:33:00	6.3	6.5	0.3	0.00	0.00	0.00	1.6	WSW
12/7/2024 10:34:00	6.2	6.3	0.1	0.00	0.00	0.00	1.3	SSW
12/7/2024 10:35:00	6.3	6.2	0.0	0.00	0.00	0.00	1.1	WNW
12/7/2024 10:36:00	6.1	6.1	0.0	0.00	0.00	0.00	0.9	NE
12/7/2024 10:37:00	6.1	5.9	0.0	0.00	0.00	0.00	0.9	NNE
12/7/2024 10:38:00	6.1	5.7	0.0	0.00	0.00	0.00	0.7	S
12/7/2024 10:39:00	6.1	5.6	0.0	0.00	0.00	0.00	0.5	SSW
12/7/2024 10:40:00	6.1	5.6	0.0	0.00	0.00	0.00	0.4	N
12/7/2024 10:41:00	6.0	5.6	0.0	0.00	0.00	0.00	0.4	NNE
12/7/2024 10:42:00	6.1	5.6	0.0	0.00	0.00	0.00	0.3	WNW
12/7/2024 10:43:00							0.5	N

DAILY FIELD REPORT 162

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	**X**	Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 8, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 11:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon demolished concrete in the south-central part of ABC Block 25 to construct waterfront structures.
- Trevcon excavated an about 25-foot-long by 15-foot-wide area to about 10-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odors were observed; no PID readings above background (0.0 parts per million [ppm]). A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the southwestern part of Block 25 to prepare for 3- to 5-inch rip rap backfill.
- Trevcon backfilled an about 18-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 18-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 18-foot-long by 5-foot-wide area with 2- to 3-foot jetty stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- No material was imported to the site.
- No material was exported from the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**78**
	Quantity (CY)	0	**1540**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**32**
		Quantity (CY)	0	**630**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**39**
		Quantity (CY)	0	**820**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

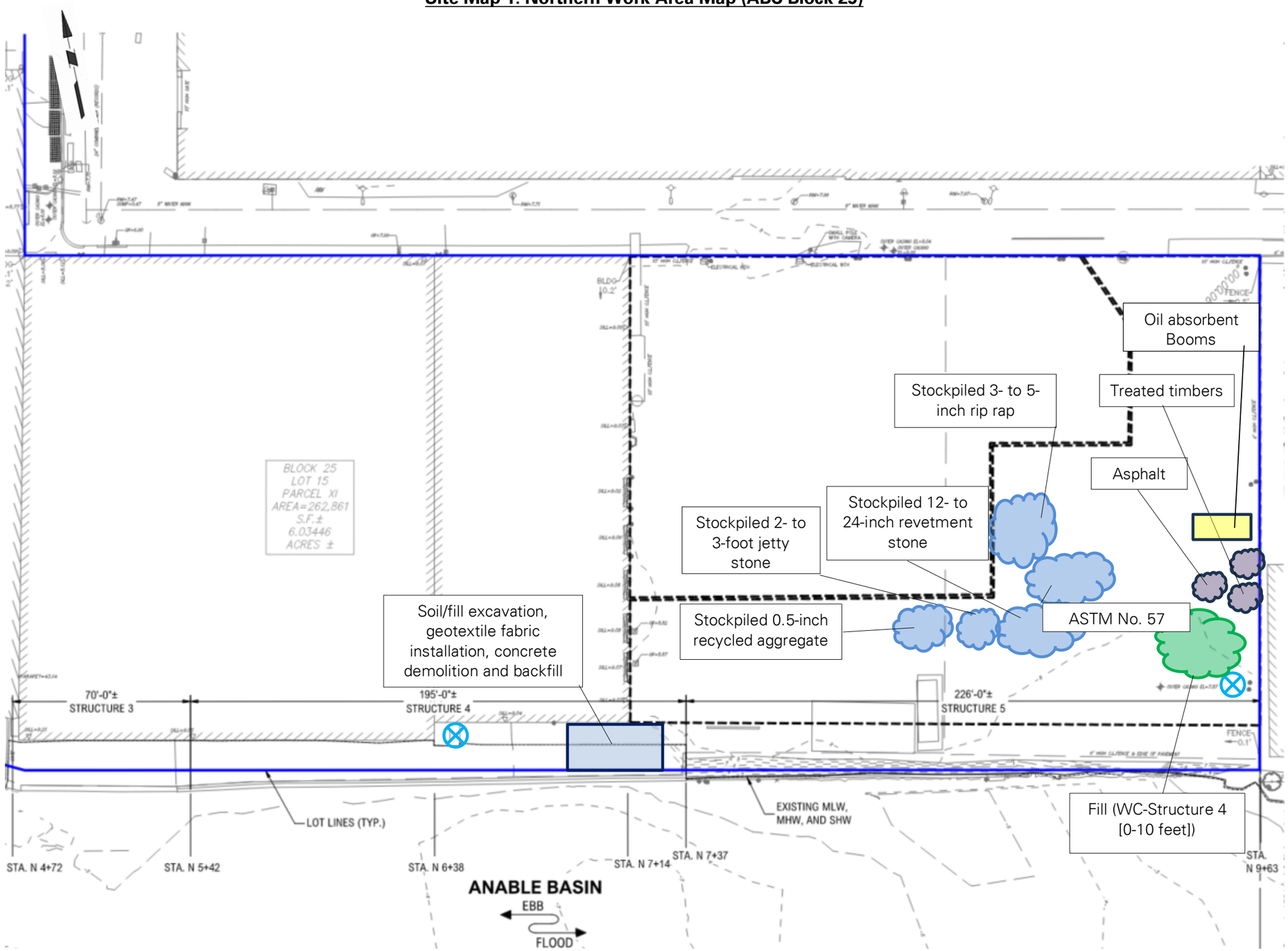
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

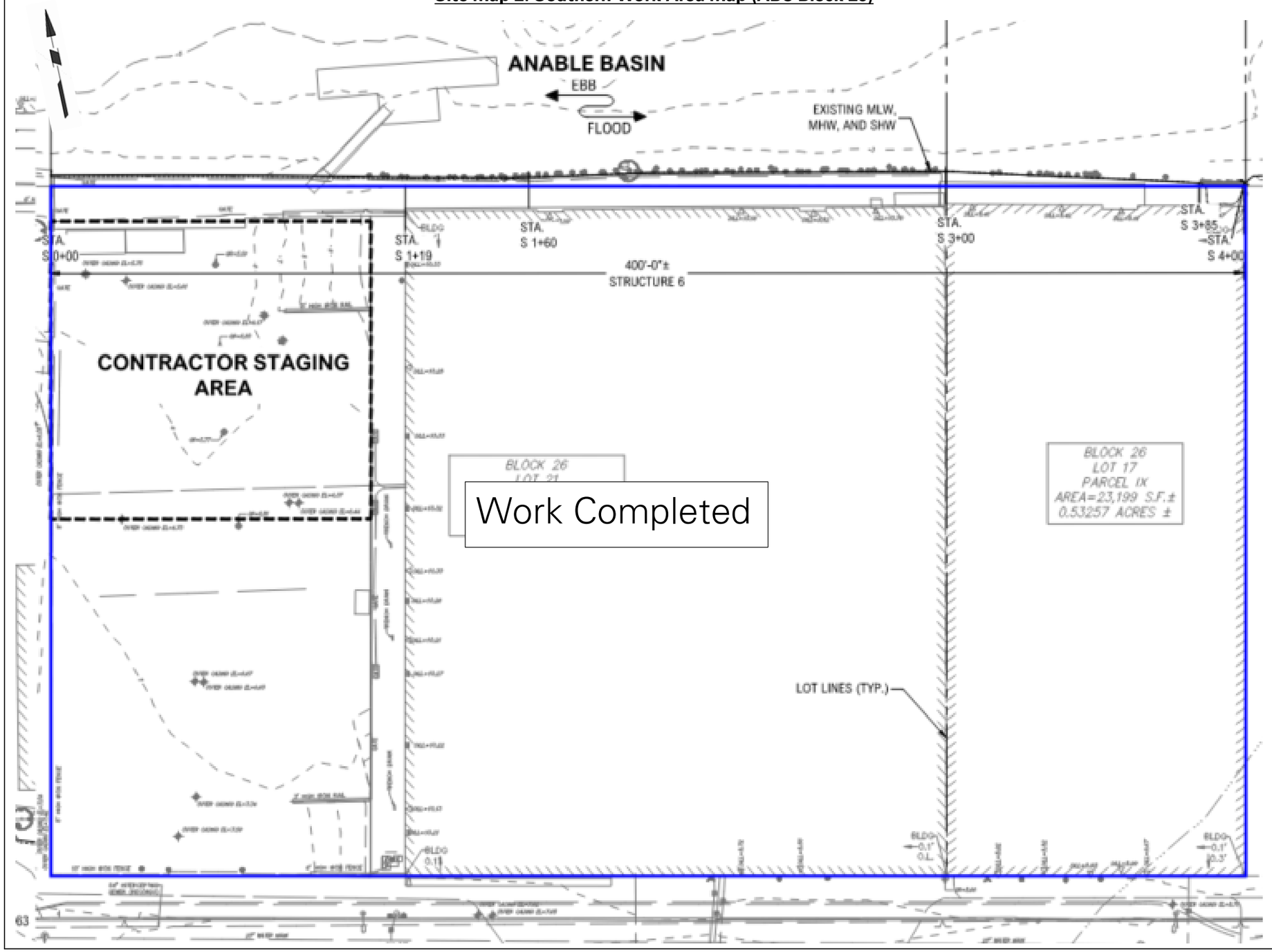


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.08 - Anable Basin Bulkhead Stabilization - Day 16262

Site Map 2: Southern Work Area Map (ABC Block 26)

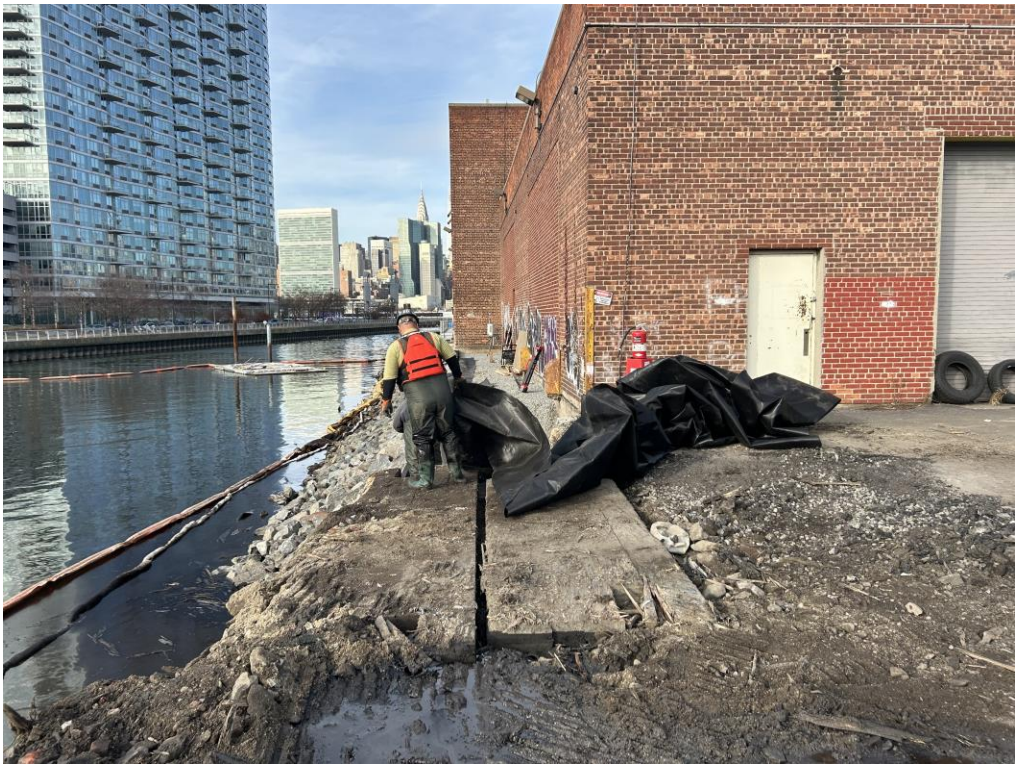


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.08 - Anable Basin Bulkhead Stabilization - Day 16262

Photo Log

Photo 1: Trevcon excavating in the south-central part of ABC Block 25 (facing west).	
Photo 2: Trevcon installing geotextile fabric in the southcentral part of ABC Block 25 (facing west).	

File Name: 2024.12.08 - Anable Basin Bulkhead Stabilization - Day 16262

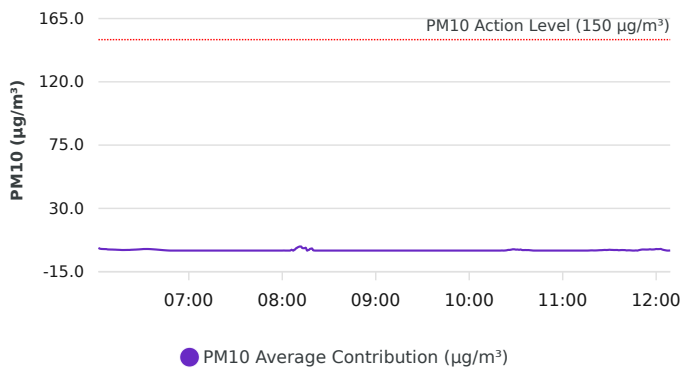
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/8/2024 04:00
		To:	12/8/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/8/2024	0.3-6.3	SW

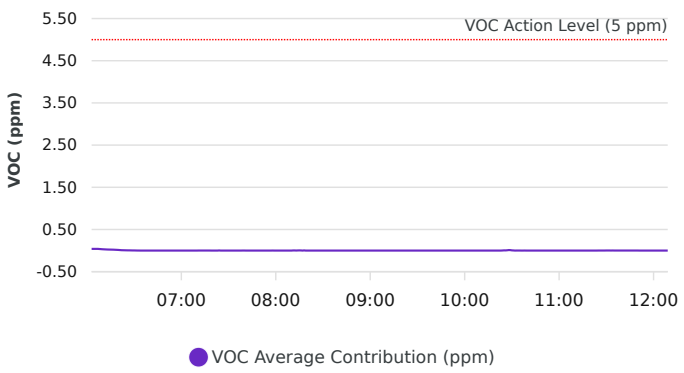
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/8/2024	0.0	06:48	0.00	06:34
Max Contribution (15 min avg.) - 12/8/2024	2.9	08:12	0.04	06:03



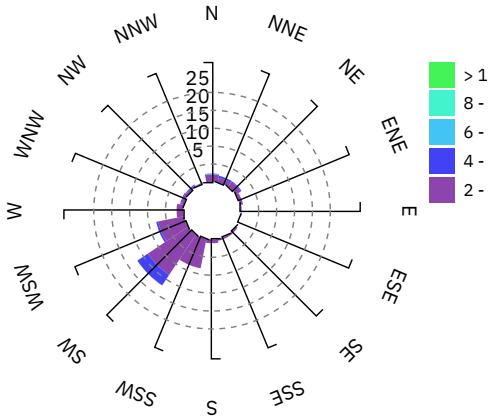
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 06:01:00							2.8	WSW
12/8/2024 06:02:00	4.3	6.2	1.9				2.7	WSW
12/8/2024 06:03:00	4.4	5.7	1.3	0.00	0.04	0.04	2.4	SW
12/8/2024 06:04:00	4.4	5.6	1.1	0.00	0.04	0.04	2.7	WSW
12/8/2024 06:05:00	4.4	5.5	1.1	0.00	0.04	0.04	2.7	SW
12/8/2024 06:06:00	4.4	5.5	1.1	0.00	0.04	0.04	3.0	WSW
12/8/2024 06:07:00	4.4	5.4	1.0	0.00	0.04	0.04	3.1	SW
12/8/2024 06:08:00	4.4	5.2	0.8	0.00	0.04	0.04	2.9	SW
12/8/2024 06:09:00	4.3	5.0	0.8	0.00	0.03	0.03	2.8	SSW
12/8/2024 06:10:00	4.2	4.9	0.7	0.00	0.03	0.03	2.7	WSW
12/8/2024 06:11:00	4.1	4.8	0.7	0.00	0.03	0.03	2.6	WSW
12/8/2024 06:12:00	4.0	4.7	0.7	0.00	0.03	0.03	2.5	WNW
12/8/2024 06:13:00	4.0	4.6	0.6	0.00	0.03	0.03	2.6	SW
12/8/2024 06:14:00	3.9	4.5	0.6	0.00	0.02	0.02	2.5	SW
12/8/2024 06:15:00	3.9	4.4	0.5	0.00	0.02	0.02	2.5	SW
12/8/2024 06:16:00	3.8	4.3	0.5	0.00	0.02	0.02	2.5	WSW
12/8/2024 06:17:00	3.8	4.2	0.4	0.00	0.02	0.02	2.5	SSW
12/8/2024 06:18:00	3.7	4.1	0.4	0.00	0.02	0.02	2.7	SW
12/8/2024 06:19:00	3.5	4.0	0.4	0.00	0.02	0.02	2.7	SW
12/8/2024 06:20:00	3.4	3.9	0.4	0.00	0.01	0.01	2.7	WSW
12/8/2024 06:21:00	3.3	3.8	0.5	0.00	0.01	0.01	2.7	SW
12/8/2024 06:22:00	3.2	3.7	0.5	0.00	0.01	0.01	2.6	W
12/8/2024 06:23:00	3.1	3.7	0.6	0.00	0.01	0.01	2.7	WSW
12/8/2024 06:24:00	3.1	3.7	0.6	0.00	0.01	0.01	2.6	WSW
12/8/2024 06:25:00	3.1	3.7	0.7	0.00	0.01	0.01	2.8	SW
12/8/2024 06:26:00	3.1	3.8	0.7	0.00	0.01	0.01	3.0	SW
12/8/2024 06:27:00	3.0	3.8	0.8	0.00	0.01	0.01	3.2	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 06:28:00	3.0	3.8	0.8	0.00	0.00	0.00	3.1	SW
12/8/2024 06:29:00	2.9	3.9	0.9	0.00	0.00	0.00	3.2	SW
12/8/2024 06:30:00	2.9	3.9	1.0	0.00	0.00	0.00	3.3	WSW
12/8/2024 06:31:00	2.9	4.0	1.1	0.00	0.00	0.00	3.2	WSW
12/8/2024 06:32:00	2.9	4.0	1.1	0.00	0.00	0.00	3.3	SW
12/8/2024 06:33:00	2.8	4.0	1.1	0.00	0.00	0.00	3.2	SW
12/8/2024 06:34:00	2.8	3.9	1.1	0.00	0.00	0.00	3.1	SW
12/8/2024 06:35:00	2.9	3.9	1.1	0.00	0.00	0.00	3.0	SW
12/8/2024 06:36:00	2.9	3.8	1.0	0.00	0.00	0.00	2.9	SW
12/8/2024 06:37:00	2.9	3.8	0.9	0.00	0.00	0.00	2.9	WSW
12/8/2024 06:38:00	2.9	3.7	0.8	0.00	0.00	0.00	2.8	W
12/8/2024 06:39:00	2.8	3.6	0.8	0.00	0.00	0.00	2.9	SW
12/8/2024 06:40:00	2.8	3.5	0.7	0.00	0.00	0.00	2.8	SSW
12/8/2024 06:41:00	2.8	3.4	0.6	0.00	0.00	0.00	2.7	W
12/8/2024 06:42:00	2.8	3.3	0.5	0.00	0.00	0.00	2.7	WSW
12/8/2024 06:43:00	2.8	3.2	0.4	0.00	0.00	0.00	2.7	SSW
12/8/2024 06:44:00	2.8	3.1	0.3	0.00	0.00	0.00	2.7	SW
12/8/2024 06:45:00	2.9	3.0	0.2	0.00	0.00	0.00	2.6	SW
12/8/2024 06:46:00	2.9	3.0	0.1	0.00	0.00	0.00	2.7	WSW
12/8/2024 06:47:00	2.9	2.9	0.1	0.00	0.00	0.00	2.7	SW
12/8/2024 06:48:00	2.9	2.9	0.0	0.00	0.00	0.00	2.8	SW
12/8/2024 06:49:00	2.9	2.7	0.0	0.00	0.00	0.00	2.9	WSW
12/8/2024 06:50:00	3.0	2.7	0.0	0.00	0.00	0.00	2.9	SW
12/8/2024 06:51:00	3.0	2.6	0.0	0.00	0.00	0.00	2.8	W
12/8/2024 06:52:00	3.0	2.6	0.0	0.00	0.00	0.00	2.8	SW
12/8/2024 06:53:00	3.0	2.6	0.0	0.00	0.00	0.00	2.8	WSW
12/8/2024 06:54:00	3.0	2.6	0.0	0.00	0.00	0.00	2.8	SSW
12/8/2024 06:55:00	3.0	2.6	0.0	0.00	0.00	0.00	2.8	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 06:56:00	3.1	2.6	0.0	0.00	0.00	0.00	2.8	SW
12/8/2024 06:57:00	3.1	2.8	0.0	0.00	0.00	0.00	2.6	S
12/8/2024 06:58:00	3.1	2.8	0.0	0.00	0.00	0.00	2.5	SW
12/8/2024 06:59:00	3.2	2.9	0.0	0.00	0.00	0.00	2.4	SW
12/8/2024 07:00:00	3.1	2.9	0.0	0.00	0.00	0.00	2.5	WSW
12/8/2024 07:01:00	3.2	2.8	0.0	0.00	0.00	0.00	2.4	WSW
12/8/2024 07:02:00	3.3	2.8	0.0	0.00	0.00	0.00	2.4	SSW
12/8/2024 07:03:00	3.3	2.8	0.0	0.00	0.00	0.00	2.2	SW
12/8/2024 07:04:00	3.3	2.8	0.0	0.00	0.00	0.00	2.1	WNW
12/8/2024 07:05:00	3.2	2.8	0.0	0.00	0.00	0.00	2.1	SW
12/8/2024 07:06:00	3.2	2.8	0.0	0.00	0.00	0.00	2.1	SSW
12/8/2024 07:07:00	3.4	2.8	0.0	0.00	0.00	0.00	2.2	SW
12/8/2024 07:08:00	3.5	2.8	0.0	0.00	0.00	0.00	2.3	SW
12/8/2024 07:09:00	3.5	2.7	0.0	0.00	0.00	0.00	2.2	SW
12/8/2024 07:10:00	3.4	2.8	0.0	0.00	0.00	0.00	1.9	ENE
12/8/2024 07:11:00	3.3	2.8	0.0	0.00	0.01	0.00	1.8	SSE
12/8/2024 07:12:00	3.3	2.5	0.0	0.00	0.01	0.00	1.8	SW
12/8/2024 07:13:00	3.6	2.4	0.0	0.00	0.01	0.00	1.8	SW
12/8/2024 07:14:00	3.5	2.6	0.0	0.00	0.01	0.00	1.7	SSE
12/8/2024 07:15:00	3.4	3.0	0.0	0.00	0.01	0.00	1.5	ESE
12/8/2024 07:16:00	3.3	3.2	0.0	0.00	0.01	0.00	1.5	SSE
12/8/2024 07:17:00	3.8	3.1	0.0	0.00	0.01	0.00	1.5	SSW
12/8/2024 07:18:00	4.6	3.0	0.0	0.00	0.01	0.00	1.5	SSW
12/8/2024 07:19:00	5.8	3.0	0.0	0.01	0.01	0.00	1.4	N
12/8/2024 07:20:00	5.7	3.5	0.0	0.01	0.01	0.00	1.3	SE
12/8/2024 07:21:00	5.8	3.4	0.0	0.01	0.01	0.00	1.3	SSW
12/8/2024 07:22:00	6.2	3.4	0.0	0.01	0.01	0.00	1.2	SW
12/8/2024 07:23:00	6.5	3.4	0.0	0.01	0.01	0.00	1.2	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 07:24:00	6.8	3.4	0.0	0.00	0.01	0.00	1.2	WSW
12/8/2024 07:25:00	6.8	3.6	0.0	0.00	0.00	0.00	1.3	ESE
12/8/2024 07:26:00	7.0	3.5	0.0	0.00	0.00	0.00	1.4	SW
12/8/2024 07:27:00	7.1	3.5	0.0	0.00	0.00	0.00	1.4	SSW
12/8/2024 07:28:00	6.9	3.5	0.0	0.00	0.00	0.00	1.4	SSW
12/8/2024 07:29:00	7.1	3.3	0.0	0.00	0.00	0.00	1.4	SW
12/8/2024 07:30:00	7.3	2.8	0.0	0.00	0.00	0.00	1.5	SW
12/8/2024 07:31:00	7.4	2.5	0.0	0.00	0.00	0.00	1.6	SSW
12/8/2024 07:32:00	6.7	3.1	0.0	0.00	0.00	0.00	1.4	E
12/8/2024 07:33:00	5.8	3.9	0.0	0.00	0.00	0.00	1.3	SSE
12/8/2024 07:34:00	4.7	3.9	0.0	0.00	0.00	0.00	1.5	SSW
12/8/2024 07:35:00	4.8	3.4	0.0	0.00	0.00	0.00	1.6	SW
12/8/2024 07:36:00	4.6	3.5	0.0	0.00	0.00	0.00	1.4	ENE
12/8/2024 07:37:00	4.2	3.5	0.0	0.00	0.00	0.00	1.5	SW
12/8/2024 07:38:00	3.8	3.6	0.0	0.00	0.00	0.00	1.4	SSE
12/8/2024 07:39:00	3.7	3.6	0.0	0.00	0.00	0.00	1.3	SW
12/8/2024 07:40:00	4.0	3.4	0.0	0.00	0.00	0.00	1.4	WSW
12/8/2024 07:41:00	4.1	3.3	0.0	0.00	0.00	0.00	1.4	SW
12/8/2024 07:42:00	4.4	3.3	0.0	0.00	0.00	0.00	1.3	WSW
12/8/2024 07:43:00	4.6	3.3	0.0	0.01	0.00	0.00	1.2	WNW
12/8/2024 07:44:00	4.5	3.5	0.0	0.01	0.00	0.00	1.1	NE
12/8/2024 07:45:00	4.8	3.5	0.0	0.01	0.00	0.00	1.0	SW
12/8/2024 07:46:00	5.1	3.5	0.0	0.01	0.00	0.00	1.1	SW
12/8/2024 07:47:00	5.7	2.9	0.0	0.01	0.00	0.00	1.3	SSW
12/8/2024 07:48:00	6.1	2.1	0.0	0.01	0.00	0.00	1.4	SW
12/8/2024 07:49:00	6.2	2.1	0.0	0.01	0.00	0.00	1.3	W
12/8/2024 07:50:00	6.1	2.4	0.0	0.01	0.00	0.00	1.0	NE
12/8/2024 07:51:00	6.4	2.3	0.0	0.01	0.00	0.00	1.2	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 07:52:00	6.2	2.6	0.0	0.01	0.00	0.00	1.0	ESE
12/8/2024 07:53:00	6.4	2.5	0.0	0.01	0.00	0.00	1.0	SSW
12/8/2024 07:54:00	6.5	2.5	0.0	0.01	0.00	0.00	1.3	SW
12/8/2024 07:55:00	6.2	2.7	0.0	0.01	0.01	0.00	1.3	S
12/8/2024 07:56:00	5.8	2.7	0.0	0.01	0.01	0.00	1.3	SSW
12/8/2024 07:57:00	5.7	2.7	0.0	0.01	0.01	0.00	1.4	WSW
12/8/2024 07:58:00	5.2	3.4	0.0	0.01	0.01	0.00	1.3	ENE
12/8/2024 07:59:00	5.6	3.2	0.0	0.01	0.01	0.00	1.5	WSW
12/8/2024 08:00:00	5.5	3.3	0.0	0.01	0.01	0.00	1.6	SW
12/8/2024 08:01:00	5.2	5.2	0.1	0.01	0.01	0.00	1.4	SSE
12/8/2024 08:02:00	5.5	5.3	0.0	0.01	0.01	0.00	1.4	SW
12/8/2024 08:03:00	5.4	5.3	0.0	0.01	0.01	0.00	1.2	N
12/8/2024 08:04:00	5.9	5.3	0.0	0.01	0.01	0.00	1.3	S
12/8/2024 08:05:00	5.9	5.7	0.0	0.01	0.01	0.00	1.4	SSE
12/8/2024 08:06:00	5.6	6.1	0.6	0.01	0.01	0.00	1.4	ESE
12/8/2024 08:07:00	5.9	5.7	0.0	0.01	0.00	0.00	1.5	S
12/8/2024 08:08:00	5.6	6.3	0.7	0.01	0.00	0.00	1.3	NE
12/8/2024 08:09:00	5.3	7.0	1.7	0.01	0.00	0.00	1.1	E
12/8/2024 08:10:00	5.3	7.6	2.3	0.01	0.01	0.00	0.7	NE
12/8/2024 08:11:00	5.2	8.0	2.9	0.00	0.01	0.00	0.5	E
12/8/2024 08:12:00	5.1	8.0	2.9	0.01	0.01	0.00	0.4	NW
12/8/2024 08:13:00	5.6	7.3	1.8	0.01	0.01	0.00	0.4	SW
12/8/2024 08:14:00	5.6	7.3	1.6	0.00	0.01	0.00	0.6	S
12/8/2024 08:15:00	5.2	7.2	2.0	0.00	0.01	0.00	0.6	SW
12/8/2024 08:16:00	5.3	5.2	0.0	0.00	0.01	0.00	0.5	SW
12/8/2024 08:17:00	4.7	5.1	0.5	0.01	0.01	0.00	0.4	NW
12/8/2024 08:18:00	4.3	5.6	1.3	0.01	0.01	0.00	0.6	SSE
12/8/2024 08:19:00	4.0	5.5	1.5	0.01	0.01	0.00	0.6	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 08:20:00	4.6	4.8	0.2	0.01	0.01	0.00	0.4	W
12/8/2024 08:21:00	4.9	4.3	0.0	0.01	0.01	0.00	0.4	W
12/8/2024 08:22:00	4.7	4.3	0.0	0.02	0.01	0.00	0.6	SW
12/8/2024 08:23:00	5.2	3.7	0.0	0.02	0.01	0.00	0.7	WNW
12/8/2024 08:24:00	5.5	3.0	0.0	0.02	0.01	0.00	0.8	WNW
12/8/2024 08:25:00	5.5	2.5	0.0	0.02	0.01	0.00	0.9	SE
12/8/2024 08:26:00	6.3	2.0	0.0	0.02	0.01	0.00	1.2	SSW
12/8/2024 08:27:00	6.5	2.0	0.0	0.02	0.01	0.00	1.4	S
12/8/2024 08:28:00	6.6	2.0	0.0	0.03	0.01	0.00	1.5	SW
12/8/2024 08:29:00	6.5	2.0	0.0	0.03	0.01	0.00	1.7	SW
12/8/2024 08:30:00	6.6	2.0	0.0	0.03	0.01	0.00	1.7	SW
12/8/2024 08:31:00	6.6	2.0	0.0	0.03	0.01	0.00	1.8	SSW
12/8/2024 08:32:00	6.3	2.2	0.0	0.03	0.01	0.00	1.8	S
12/8/2024 08:33:00	6.5	1.8	0.0	0.03	0.00	0.00	2.0	SSW
12/8/2024 08:34:00	6.2	1.8	0.0	0.02	0.00	0.00	2.1	SW
12/8/2024 08:35:00	5.9	1.8	0.0	0.02	0.00	0.00	2.1	SSW
12/8/2024 08:36:00	5.6	2.4	0.0	0.02	0.01	0.00	2.0	SE
12/8/2024 08:37:00	5.9	2.4	0.0	0.02	0.01	0.00	2.0	SSW
12/8/2024 08:38:00	5.8	2.4	0.0	0.02	0.01	0.00	2.1	WSW
12/8/2024 08:39:00	5.7	2.4	0.0	0.02	0.01	0.00	2.3	SSW
12/8/2024 08:40:00	5.8	2.1	0.0	0.02	0.00	0.00	2.5	SW
12/8/2024 08:41:00	5.2	2.1	0.0	0.02	0.00	0.00	2.6	SSW
12/8/2024 08:42:00	5.7	2.1	0.0	0.02	0.00	0.00	2.5	SW
12/8/2024 08:43:00	5.1	2.4	0.0	0.02	0.01	0.00	2.2	ENE
12/8/2024 08:44:00	4.7	2.6	0.0	0.02	0.01	0.00	1.9	NE
12/8/2024 08:45:00	4.9	2.6	0.0	0.02	0.01	0.00	1.8	S
12/8/2024 08:46:00	5.5	2.6	0.0	0.03	0.01	0.00	1.9	SW
12/8/2024 08:47:00	5.8	2.4	0.0	0.03	0.01	0.00	1.9	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 08:48:00	5.8	2.4	0.0	0.03	0.01	0.00	1.9	SW
12/8/2024 08:49:00	5.8	2.4	0.0	0.03	0.01	0.00	1.8	SW
12/8/2024 08:50:00	5.7	2.4	0.0	0.03	0.01	0.00	1.9	SSW
12/8/2024 08:51:00	5.8	1.8	0.0	0.04	0.01	0.00	2.0	SSW
12/8/2024 08:52:00	5.5	1.8	0.0	0.03	0.01	0.00	2.0	WNW
12/8/2024 08:53:00	5.2	2.1	0.0	0.03	0.01	0.00	1.9	SE
12/8/2024 08:54:00	5.0	2.8	0.0	0.03	0.01	0.00	1.6	NNE
12/8/2024 08:55:00	5.1	2.8	0.0	0.03	0.01	0.00	1.4	SW
12/8/2024 08:56:00	5.2	2.8	0.0	0.03	0.01	0.00	1.3	SSW
12/8/2024 08:57:00	4.5	2.9	0.0	0.03	0.01	0.00	1.4	SW
12/8/2024 08:58:00	4.6	2.6	0.0	0.03	0.01	0.00	1.7	WSW
12/8/2024 08:59:00	4.6	2.7	0.0	0.03	0.00	0.00	1.6	NE
12/8/2024 09:00:00	4.5	2.7	0.0	0.03	0.00	0.00	1.7	WSW
12/8/2024 09:01:00	3.9	2.7	0.0	0.03	0.00	0.00	1.7	WSW
12/8/2024 09:02:00	3.8	2.8	0.0	0.03	0.00	0.00	1.9	SW
12/8/2024 09:03:00	3.9	2.8	0.0	0.02	0.00	0.00	1.8	WSW
12/8/2024 09:04:00	3.8	2.9	0.0	0.02	0.00	0.00	1.8	SW
12/8/2024 09:05:00	3.7	2.9	0.0	0.02	0.00	0.00	1.7	SW
12/8/2024 09:06:00	4.0	2.9	0.0	0.02	0.00	0.00	1.7	SW
12/8/2024 09:07:00	4.1	2.9	0.0	0.02	0.00	0.00	1.8	SW
12/8/2024 09:08:00	4.1	2.8	0.0	0.02	0.01	0.00	1.5	NNE
12/8/2024 09:09:00	4.1	2.5	0.0	0.02	0.01	0.00	1.5	ENE
12/8/2024 09:10:00	4.4	2.5	0.0	0.02	0.00	0.00	1.6	SSW
12/8/2024 09:11:00	4.3	2.5	0.0	0.02	0.00	0.00	1.6	WSW
12/8/2024 09:12:00	4.3	2.6	0.0	0.01	0.00	0.00	1.6	SW
12/8/2024 09:13:00	4.4	2.6	0.0	0.01	0.00	0.00	1.4	SSW
12/8/2024 09:14:00	4.8	2.4	0.0	0.01	0.00	0.00	1.8	SSW
12/8/2024 09:15:00	4.9	2.4	0.0	0.01	0.00	0.00	1.8	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 09:16:00	4.9	2.4	0.0	0.01	0.00	0.00	1.8	SW
12/8/2024 09:17:00	5.2	2.4	0.0	0.01	0.00	0.00	1.6	SSW
12/8/2024 09:18:00	5.2	2.4	0.0	0.01	0.00	0.00	1.7	SW
12/8/2024 09:19:00	5.3	2.4	0.0	0.01	0.00	0.00	1.8	SSW
12/8/2024 09:20:00	5.4	2.4	0.0	0.01	0.00	0.00	1.8	SW
12/8/2024 09:21:00	5.2	2.4	0.0	0.01	0.00	0.00	1.8	SW
12/8/2024 09:22:00	5.4	2.4	0.0	0.01	0.00	0.00	1.7	SSW
12/8/2024 09:23:00	5.8	2.2	0.0	0.01	0.00	0.00	2.1	SW
12/8/2024 09:24:00	6.0	1.9	0.0	0.02	0.00	0.00	2.5	SW
12/8/2024 09:25:00	5.5	1.9	0.0	0.01	0.00	0.00	2.4	SW
12/8/2024 09:26:00	5.6	1.9	0.0	0.01	0.00	0.00	2.3	SSW
12/8/2024 09:27:00	5.7	1.9	0.0	0.02	0.00	0.00	2.5	SW
12/8/2024 09:28:00	5.5	1.9	0.0	0.02	0.00	0.00	2.7	SW
12/8/2024 09:29:00	5.2	1.9	0.0	0.02	0.00	0.00	2.6	W
12/8/2024 09:30:00	5.0	2.2	0.0	0.02	0.00	0.00	2.3	NNE
12/8/2024 09:31:00	4.9	2.2	0.0	0.01	0.00	0.00	2.4	WSW
12/8/2024 09:32:00	4.6	2.3	0.0	0.01	0.00	0.00	2.3	NE
12/8/2024 09:33:00	4.3	2.5	0.0	0.01	0.00	0.00	2.0	SSE
12/8/2024 09:34:00	4.5	2.5	0.0	0.01	0.00	0.00	1.9	WSW
12/8/2024 09:35:00	4.3	2.7	0.0	0.01	0.01	0.00	1.8	SE
12/8/2024 09:36:00	4.2	2.8	0.0	0.01	0.01	0.00	1.8	SW
12/8/2024 09:37:00	3.9	2.8	0.0	0.01	0.01	0.00	2.0	WSW
12/8/2024 09:38:00	3.6	2.8	0.0	0.01	0.01	0.00	2.0	SW
12/8/2024 09:39:00	3.6	2.8	0.0	0.01	0.01	0.00	1.8	SSW
12/8/2024 09:40:00	3.5	3.0	0.0	0.01	0.01	0.00	1.5	E
12/8/2024 09:41:00	3.5	3.0	0.0	0.01	0.01	0.00	1.6	SSW
12/8/2024 09:42:00	3.6	3.0	0.0	0.01	0.01	0.00	1.4	SSW
12/8/2024 09:43:00	3.6	3.0	0.0	0.01	0.01	0.00	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 09:44:00	3.6	3.0	0.0	0.01	0.01	0.00	1.4	SW
12/8/2024 09:45:00	3.9	2.9	0.0	0.01	0.01	0.00	1.6	SW
12/8/2024 09:46:00	4.0	2.9	0.0	0.01	0.01	0.00	1.5	SW
12/8/2024 09:47:00	4.1	2.8	0.0	0.01	0.01	0.00	1.8	SSW
12/8/2024 09:48:00	4.2	2.6	0.0	0.01	0.00	0.00	1.8	SSW
12/8/2024 09:49:00	3.9	2.9	0.0	0.01	0.00	0.00	1.7	ENE
12/8/2024 09:50:00	4.1	2.7	0.0	0.01	0.00	0.00	1.8	SSW
12/8/2024 09:51:00	4.7	2.7	0.0	0.01	0.00	0.00	1.6	SSW
12/8/2024 09:52:00	5.5	2.8	0.0	0.01	0.00	0.00	1.6	SW
12/8/2024 09:53:00	5.6	2.8	0.0	0.01	0.00	0.00	1.5	WSW
12/8/2024 09:54:00	5.4	3.0	0.0	0.01	0.00	0.00	1.3	ENE
12/8/2024 09:55:00	5.5	2.9	0.0	0.01	0.00	0.00	1.5	SW
12/8/2024 09:56:00	5.5	3.0	0.0	0.01	0.00	0.00	1.4	WSW
12/8/2024 09:57:00	5.3	3.1	0.0	0.01	0.01	0.00	1.3	S
12/8/2024 09:58:00	5.4	3.1	0.0	0.01	0.01	0.00	1.2	SW
12/8/2024 09:59:00	5.4	3.1	0.0	0.01	0.01	0.00	1.2	SW
12/8/2024 10:00:00	5.2	3.3	0.0	0.01	0.01	0.00	1.1	ESE
12/8/2024 10:01:00	5.0	3.6	0.0	0.01	0.01	0.00	1.1	S
12/8/2024 10:02:00	5.2	3.6	0.0	0.02	0.01	0.00	1.0	SW
12/8/2024 10:03:00	5.3	3.6	0.0	0.02	0.01	0.00	1.1	SSW
12/8/2024 10:04:00	5.5	3.4	0.0	0.02	0.01	0.00	1.4	SSW
12/8/2024 10:05:00	5.5	3.6	0.0	0.02	0.01	0.00	1.3	SE
12/8/2024 10:06:00	5.1	3.8	0.0	0.01	0.01	0.00	1.2	SW
12/8/2024 10:07:00	4.4	4.0	0.0	0.01	0.01	0.00	1.1	NE
12/8/2024 10:08:00	4.5	4.2	0.0	0.01	0.01	0.00	1.1	WSW
12/8/2024 10:09:00	4.7	4.1	0.0	0.02	0.01	0.00	1.1	N
12/8/2024 10:10:00	4.9	4.3	0.0	0.02	0.01	0.00	1.2	SW
12/8/2024 10:11:00	5.0	4.4	0.0	0.01	0.01	0.00	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 10:12:00	5.2	4.4	0.0	0.02	0.01	0.00	1.1	SW
12/8/2024 10:13:00	5.4	4.6	0.0	0.02	0.01	0.00	1.1	SSW
12/8/2024 10:14:00	5.4	4.8	0.0	0.01	0.01	0.00	0.9	NE
12/8/2024 10:15:00	5.5	5.0	0.0	0.01	0.01	0.00	0.8	ENE
12/8/2024 10:16:00	5.8	4.8	0.0	0.02	0.01	0.00	0.8	SW
12/8/2024 10:17:00	5.7	5.0	0.0	0.02	0.01	0.00	0.6	NE
12/8/2024 10:18:00	5.7	5.2	0.0	0.02	0.01	0.00	0.5	WSW
12/8/2024 10:19:00	5.7	5.5	0.0	0.02	0.01	0.00	0.2	NE
12/8/2024 10:20:00	5.7	5.6	0.0	0.02	0.01	0.00	0.2	ESE
12/8/2024 10:21:00	5.6	5.7	0.1	0.02	0.02	0.00	0.1	ENE
12/8/2024 10:22:00	5.7	5.6	0.0	0.02	0.01	0.00	0.1	NW
12/8/2024 10:23:00	5.6	5.6	0.1	0.02	0.02	0.00	0.1	NE
12/8/2024 10:24:00	5.5	5.7	0.2	0.01	0.02	0.00	0.1	ENE
12/8/2024 10:25:00	5.3	5.8	0.5	0.01	0.02	0.01	0.3	SE
12/8/2024 10:26:00	5.3	5.8	0.5	0.01	0.02	0.00	0.4	NE
12/8/2024 10:27:00	5.2	5.9	0.7	0.01	0.02	0.01	0.4	SE
12/8/2024 10:28:00	5.0	6.0	0.9	0.01	0.02	0.01	0.5	E
12/8/2024 10:29:00	5.0	5.9	0.9	0.01	0.02	0.01	0.5	NNE
12/8/2024 10:30:00	5.1	5.8	0.7	0.01	0.02	0.01	0.6	N
12/8/2024 10:31:00	5.0	5.8	0.7	0.01	0.02	0.00	0.7	NW
12/8/2024 10:32:00	5.2	5.7	0.6	0.02	0.02	0.00	0.7	N
12/8/2024 10:33:00	5.1	5.8	0.8	0.01	0.02	0.00	0.8	E
12/8/2024 10:34:00	5.2	5.6	0.4	0.01	0.02	0.00	0.7	SW
12/8/2024 10:35:00	5.2	5.5	0.3	0.01	0.02	0.00	0.8	ENE
12/8/2024 10:36:00	5.2	5.6	0.4	0.02	0.02	0.00	0.8	ENE
12/8/2024 10:37:00	5.2	5.5	0.3	0.02	0.02	0.00	0.8	SW
12/8/2024 10:38:00	5.2	5.5	0.4	0.02	0.02	0.00	0.8	NNE
12/8/2024 10:39:00	5.2	5.5	0.3	0.02	0.02	0.00	0.8	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 10:40:00	5.2	5.4	0.1	0.02	0.02	0.00	0.8	ENE
12/8/2024 10:41:00	5.3	5.3	0.0	0.02	0.02	0.00	0.7	WNW
12/8/2024 10:42:00	5.3	5.2	0.0	0.02	0.02	0.00	0.7	SSW
12/8/2024 10:43:00	5.3	5.1	0.0	0.02	0.01	0.00	0.7	SSW
12/8/2024 10:44:00	5.5	5.0	0.0	0.02	0.01	0.00	0.6	WNW
12/8/2024 10:45:00	5.5	5.0	0.0	0.02	0.01	0.00	0.3	WSW
12/8/2024 10:46:00	5.5	4.9	0.0	0.02	0.01	0.00	0.3	NW
12/8/2024 10:47:00	5.3	5.3	0.0	0.02	0.01	0.00	0.2	E
12/8/2024 10:48:00	5.7	5.1	0.0	0.01	0.01	0.00	0.1	SSW
12/8/2024 10:49:00	5.5	5.1	0.0	0.01	0.01	0.00	0.2	W
12/8/2024 10:50:00	5.5	5.1	0.0	0.01	0.01	0.00	0.2	NNE
12/8/2024 10:51:00	5.6	5.0	0.0	0.01	0.01	0.00	0.3	SW
12/8/2024 10:52:00	5.6	5.0	0.0	0.01	0.01	0.00	0.3	SSW
12/8/2024 10:53:00	5.7	5.0	0.0	0.01	0.00	0.00	0.6	SSW
12/8/2024 10:54:00	5.6	5.0	0.0	0.01	0.00	0.00	0.8	SW
12/8/2024 10:55:00	5.7	5.0	0.0	0.01	0.00	0.00	1.0	SSW
12/8/2024 10:56:00	5.7	5.0	0.0	0.01	0.00	0.00	1.1	SSW
12/8/2024 10:57:00	5.7	5.1	0.0	0.01	0.00	0.00	0.9	ENE
12/8/2024 10:58:00	5.7	5.2	0.0	0.01	0.00	0.00	1.0	SSW
12/8/2024 10:59:00	5.6	5.3	0.0	0.01	0.00	0.00	1.0	SSW
12/8/2024 11:00:00	5.5	5.3	0.0	0.00	0.00	0.00	0.8	NE
12/8/2024 11:01:00	5.5	5.4	0.0	0.00	0.00	0.00	0.8	ENE
12/8/2024 11:02:00	5.7	5.1	0.0	0.00	0.00	0.00	0.9	SW
12/8/2024 11:03:00	5.4	5.2	0.0	0.01	0.00	0.00	0.9	SW
12/8/2024 11:04:00	5.5	5.3	0.0	0.01	0.00	0.00	0.8	NE
12/8/2024 11:05:00	5.5	5.3	0.0	0.01	0.00	0.00	0.9	W
12/8/2024 11:06:00	5.5	5.4	0.0	0.01	0.00	0.00	0.8	E
12/8/2024 11:07:00	5.7	5.5	0.0	0.01	0.00	0.00	0.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 11:08:00	5.7	5.5	0.0	0.01	0.00	0.00	0.6	SW
12/8/2024 11:09:00	5.8	5.6	0.0	0.01	0.00	0.00	0.4	NNW
12/8/2024 11:10:00	5.8	5.6	0.0	0.01	0.00	0.00	0.3	WSW
12/8/2024 11:11:00	5.9	5.7	0.0	0.01	0.00	0.00	0.3	SSW
12/8/2024 11:12:00	5.9	5.7	0.0	0.01	0.00	0.00	0.2	NE
12/8/2024 11:13:00	5.9	5.8	0.0	0.01	0.00	0.00	0.1	NNE
12/8/2024 11:14:00	6.0	5.8	0.0	0.01	0.00	0.00	0.3	NNE
12/8/2024 11:15:00	6.0	5.9	0.0	0.01	0.00	0.00	0.2	SW
12/8/2024 11:16:00	5.9	5.9	0.0	0.01	0.00	0.00	0.4	WSW
12/8/2024 11:17:00	5.9	5.9	0.1	0.01	0.00	0.00	0.3	NE
12/8/2024 11:18:00	5.9	6.0	0.1	0.01	0.00	0.00	0.3	NE
12/8/2024 11:19:00	5.9	6.1	0.1	0.01	0.00	0.00	0.4	NW
12/8/2024 11:20:00	6.0	6.1	0.1	0.01	0.00	0.00	0.3	NE
12/8/2024 11:21:00	6.1	6.2	0.1	0.01	0.00	0.00	0.3	SE
12/8/2024 11:22:00	6.1	6.2	0.1	0.01	0.00	0.00	0.3	SW
12/8/2024 11:23:00	6.0	6.2	0.2	0.01	0.00	0.00	0.4	N
12/8/2024 11:24:00	6.0	6.3	0.3	0.00	0.00	0.00	0.3	SSE
12/8/2024 11:25:00	6.0	6.2	0.3	0.00	0.00	0.00	0.4	NNE
12/8/2024 11:26:00	5.9	6.2	0.4	0.00	0.00	0.00	0.6	NE
12/8/2024 11:27:00	5.8	6.3	0.5	0.00	0.00	0.00	0.4	ESE
12/8/2024 11:28:00	5.8	6.2	0.4	0.00	0.00	0.00	0.4	NE
12/8/2024 11:29:00	5.7	6.2	0.5	0.00	0.00	0.00	0.3	NNE
12/8/2024 11:30:00	5.7	6.3	0.6	0.00	0.00	0.00	0.6	NE
12/8/2024 11:31:00	5.9	6.4	0.5	0.00	0.00	0.00	0.9	NNE
12/8/2024 11:32:00	6.0	6.4	0.5	0.00	0.00	0.00	0.8	E
12/8/2024 11:33:00	6.0	6.4	0.4	0.00	0.00	0.00	0.8	NNE
12/8/2024 11:34:00	6.0	6.4	0.4	0.00	0.00	0.00	0.9	NE
12/8/2024 11:35:00	5.9	6.3	0.4	0.00	0.00	0.00	1.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 11:36:00	6.0	6.2	0.2	0.00	0.00	0.00	1.1	N
12/8/2024 11:37:00	5.9	6.3	0.3	0.00	0.00	0.00	1.3	ENE
12/8/2024 11:38:00	5.9	6.3	0.4	0.00	0.00	0.00	1.3	NE
12/8/2024 11:39:00	5.9	6.2	0.4	0.00	0.00	0.00	1.4	NE
12/8/2024 11:40:00	5.9	6.2	0.3	0.00	0.00	0.00	1.3	SSW
12/8/2024 11:41:00	6.1	6.2	0.1	0.00	0.00	0.00	1.2	N
12/8/2024 11:42:00	6.1	6.3	0.2	0.00	0.00	0.00	1.3	NNE
12/8/2024 11:43:00	6.2	6.3	0.2	0.00	0.00	0.00	1.3	NNE
12/8/2024 11:44:00	6.2	6.3	0.1	0.00	0.00	0.00	1.4	N
12/8/2024 11:45:00	6.3	6.1	0.0	0.00	0.00	0.00	1.3	NNE
12/8/2024 11:46:00	6.1	6.1	0.0	0.00	0.00	0.00	1.4	N
12/8/2024 11:47:00	5.9	6.0	0.1	0.00	0.00	0.00	1.5	NNW
12/8/2024 11:48:00	5.8	5.8	0.0	0.00	0.00	0.00	1.6	N
12/8/2024 11:49:00	5.8	6.1	0.3	0.00	0.00	0.00	2.0	N
12/8/2024 11:50:00	5.7	6.2	0.6	0.00	0.00	0.00	2.0	N
12/8/2024 11:51:00	5.5	6.2	0.8	0.00	0.00	0.00	2.0	NNW
12/8/2024 11:52:00	5.4	6.1	0.8	0.00	0.00	0.00	2.1	WNW
12/8/2024 11:53:00	5.3	6.1	0.7	0.00	0.00	0.00	2.1	N
12/8/2024 11:54:00	5.3	6.0	0.7	0.00	0.00	0.00	2.3	NE
12/8/2024 11:55:00	5.3	6.0	0.8	0.00	0.00	0.00	2.5	NW
12/8/2024 11:56:00	5.0	6.0	0.9	0.00	0.00	0.00	2.4	SW
12/8/2024 11:57:00	5.0	5.8	0.8	0.00	0.00	0.00	2.3	WSW
12/8/2024 11:58:00	5.0	5.7	0.8	0.00	0.00	0.00	2.2	W
12/8/2024 11:59:00	4.8	5.7	0.9	0.00	0.00	0.00	2.0	SW
12/8/2024 12:00:00	4.8	5.9	1.1	0.00	0.00	0.00	1.8	E
12/8/2024 12:01:00	5.1	6.1	1.0	0.00	0.00	0.00	1.9	NW
12/8/2024 12:02:00	5.1	6.2	1.1	0.00	0.00	0.00	2.0	NW
12/8/2024 12:03:00	5.1	6.2	1.2	0.00	0.00	0.00	1.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/8/2024 12:04:00	5.2	5.9	0.7	0.00	0.00	0.00	1.8	NNE
12/8/2024 12:05:00	5.3	5.7	0.4	0.00	0.00	0.00	1.7	ENE
12/8/2024 12:06:00	5.4	5.6	0.2	0.00	0.00	0.00	1.6	NNE
12/8/2024 12:07:00	5.6	5.6	0.0	0.00	0.00	0.00	1.6	NE
12/8/2024 12:08:00	5.6	5.6	0.0	0.00	0.00	0.00	1.6	NNE
12/8/2024 12:09:00	5.6	5.7	0.1	0.00	0.00	0.00	1.4	W

DAILY FIELD REPORT 163

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Sunny	X
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 9, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon imported one load of 12- to 24-inch Revetment Stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- During low tide, Langan noticed an area along the Block 26 shoreline where a petroleum-like sheen accumulated. No local turbidity curtain or absorbent booms were present in this area at the time of the observation as work was previously completed. The sheen was also observed to the west of the trans-basin turbidity curtain on the Block 25 side of the site. Although the exact origin of the sheen is unknown at this time. Trevcon was instructed to control the sheen by placing absorbent booms as expeditiously as possible to absorb the petroleum-like sheen to the west of the curtain and contain the remainder of the sheen inside the bounds of the work area. The sheen appears to have been absorbed following the installation of the booms.
- Trevcon excavated an about 10-foot-long by 15-foot-wide area to about 10-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odors were observed and a maximum PID reading of 50.4 parts per million (ppm) were observed. A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.

- Trevcon installed geotextile fabric on top of existing soil in the southwestern part of Block 25 to prepare for 3- to 5-inch rip rap backfill.
- Trevcon backfilled an about 4-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 4-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of 12- to 24-inch Revetment Stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cells [WC-Structure 4 [0-10 feet bgs]to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	2	**80**
	Quantity (CY)	40	**1580**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**32**
		Quantity (CY)	0	**630**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	1	**40**
		Quantity (CY)	20	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were collected today.

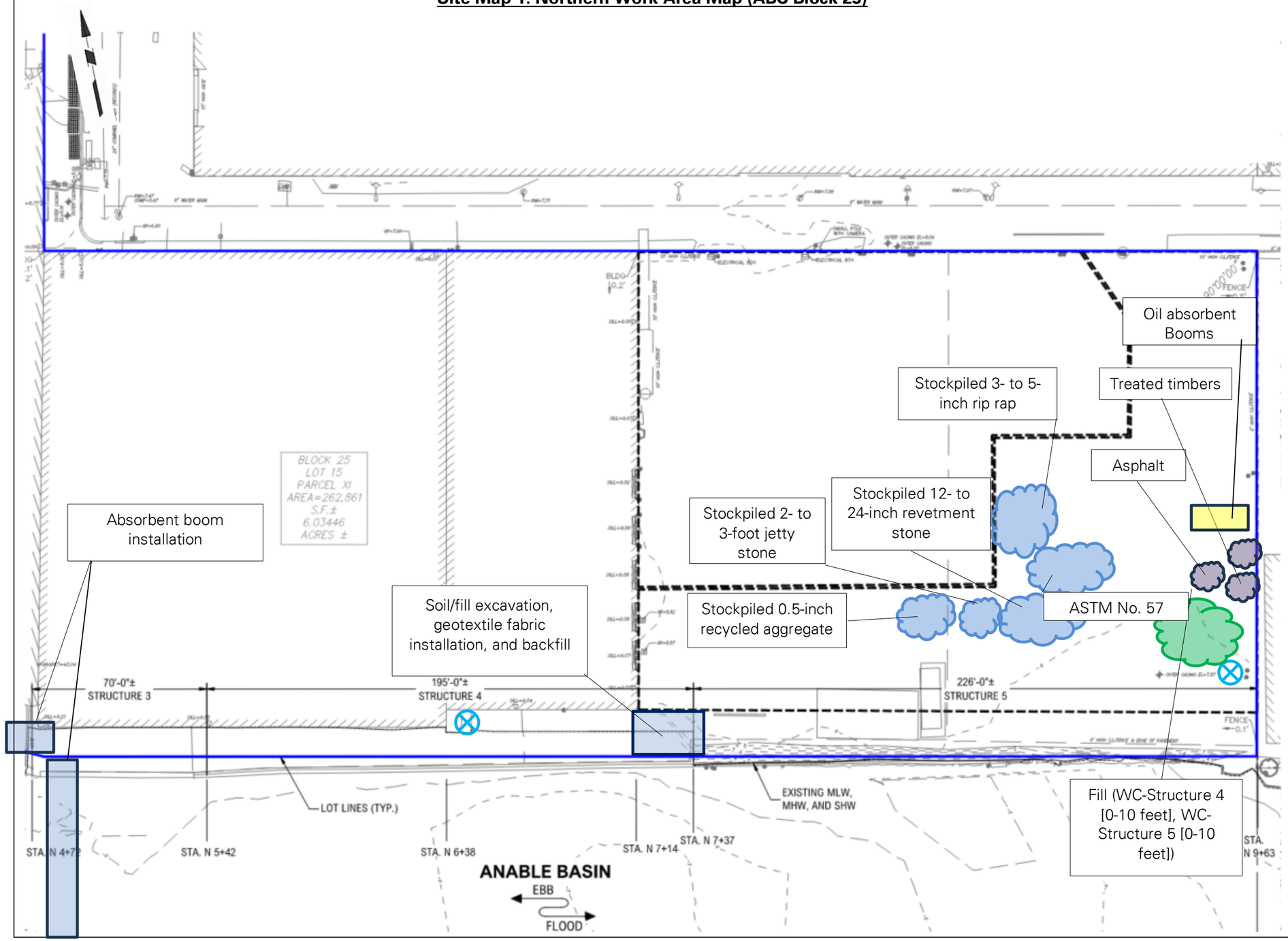
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

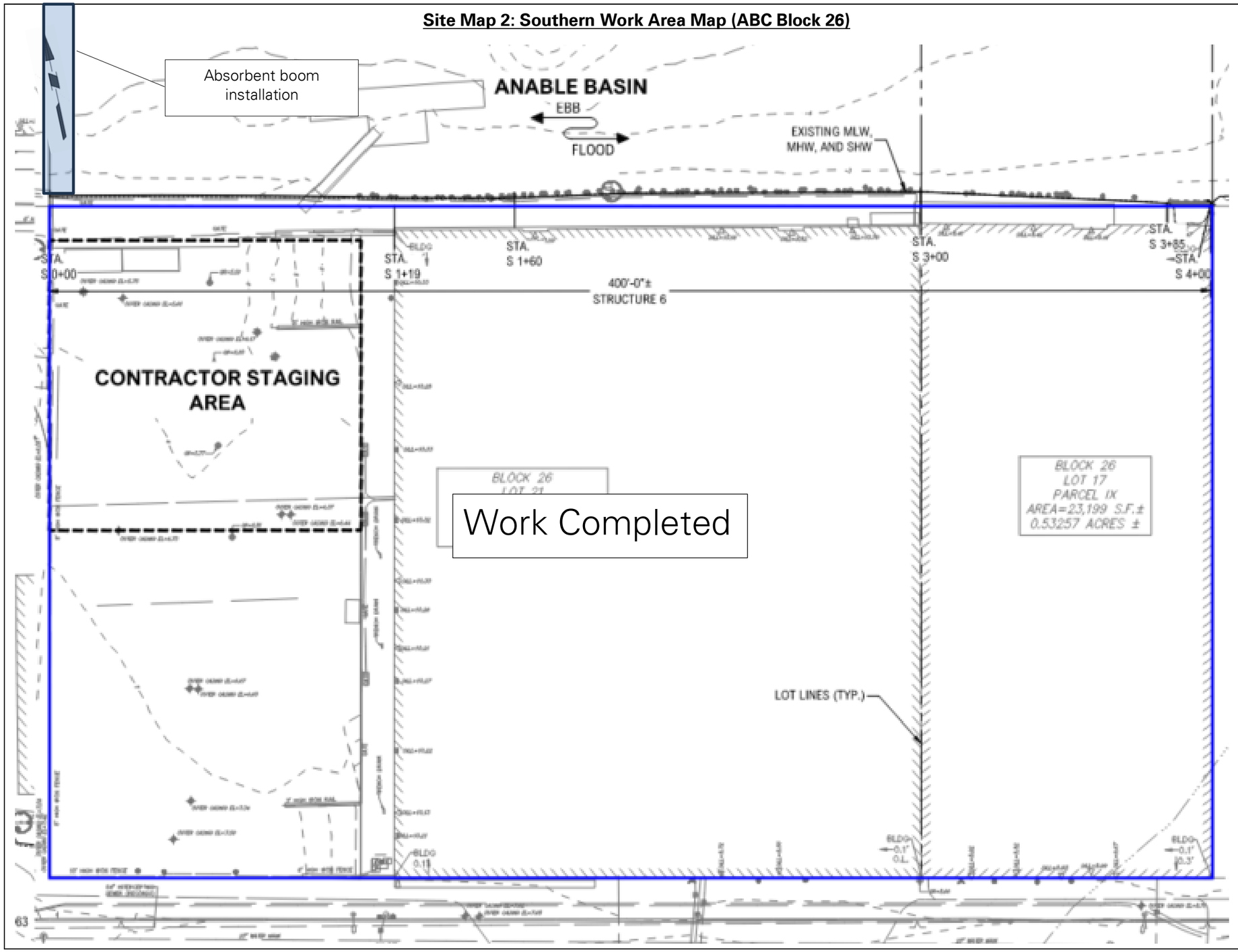


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.09 - Anable Basin Bulkhead Stabilization - Day 16363

Site Map 2: Southern Work Area Map (ABC Block 26)



LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.09 - Anable Basin Bulkhead Stabilization - Day 16363

Photo Log

Photo 1: Trevcon installing absorbent booms past the turbidity curtain in the western part of Block 25 (facing west).	
Photo 2: Trevcon importing 1- to 2-foot revetment stone in the central part of ABC Block 25 (facing north).	

File Name: 2024.12.09 - Anable Basin Bulkhead Stabilization - Day 16363

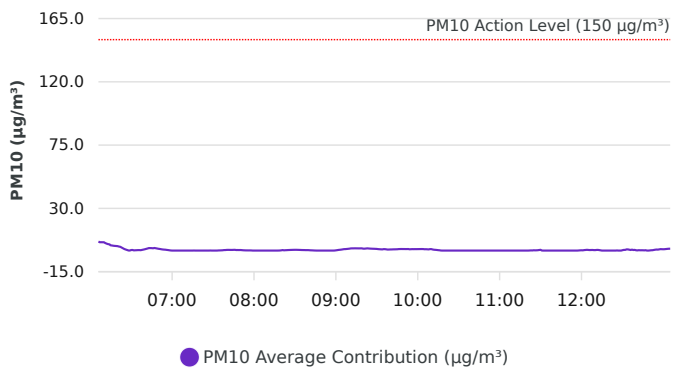
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/9/2024 04:00
		To:	12/9/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/9/2024	0.1-2.4	WSW

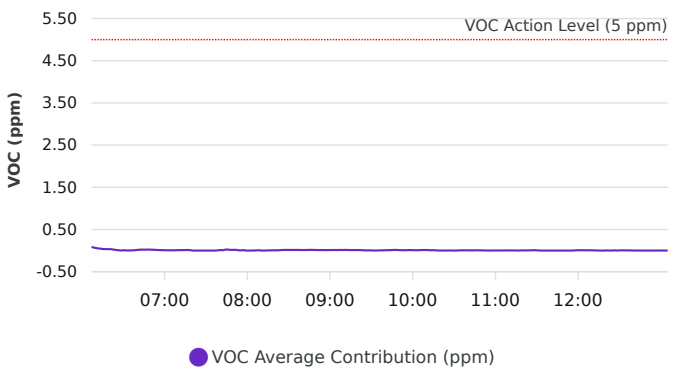
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/9/2024	0.0	07:00	0.00	07:20
Max Contribution (15 min avg.) - 12/9/2024	6.4	06:06	0.09	06:07



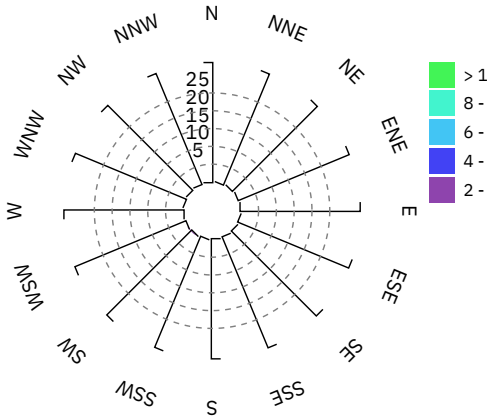
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 06:05:00							0.3	ENE
12/9/2024 06:06:00	11.4	17.9	6.4				0.2	SSW
12/9/2024 06:07:00	11.3	17.3	5.9	0.00	0.09	0.09	0.3	SSW
12/9/2024 06:08:00	11.1	17.1	5.9	0.01	0.09	0.07	0.3	SW
12/9/2024 06:09:00	11.1	17.0	5.9	0.02	0.09	0.07	0.3	SSW
12/9/2024 06:10:00	11.0	16.9	5.9	0.03	0.09	0.06	0.3	SSW
12/9/2024 06:11:00	11.0	16.4	5.4	0.03	0.09	0.06	0.3	SW
12/9/2024 06:12:00	11.0	15.9	4.9	0.03	0.08	0.05	0.3	SW
12/9/2024 06:13:00	10.9	15.6	4.6	0.03	0.08	0.05	0.3	WSW
12/9/2024 06:14:00	10.9	15.3	4.4	0.03	0.08	0.04	0.3	SSW
12/9/2024 06:15:00	11.0	14.8	3.7	0.04	0.07	0.04	0.3	S
12/9/2024 06:16:00	11.0	14.6	3.6	0.04	0.07	0.04	0.3	SW
12/9/2024 06:17:00	10.9	14.3	3.4	0.04	0.07	0.04	0.4	SW
12/9/2024 06:18:00	10.9	14.2	3.3	0.03	0.07	0.03	0.4	SSW
12/9/2024 06:19:00	10.8	14.1	3.3	0.03	0.07	0.03	0.4	WSW
12/9/2024 06:20:00	10.8	13.9	3.1	0.03	0.07	0.03	0.5	WSW
12/9/2024 06:21:00	10.6	13.5	2.9	0.03	0.07	0.03	0.5	SW
12/9/2024 06:22:00	10.5	13.2	2.7	0.04	0.06	0.03	0.5	SSW
12/9/2024 06:23:00	10.6	12.7	2.1	0.04	0.06	0.02	0.5	S
12/9/2024 06:24:00	10.6	12.2	1.6	0.04	0.06	0.02	0.5	S
12/9/2024 06:25:00	10.6	11.7	1.1	0.04	0.05	0.01	0.5	ESE
12/9/2024 06:26:00	10.7	11.5	0.7	0.04	0.05	0.01	0.5	NE
12/9/2024 06:27:00	10.8	11.2	0.4	0.04	0.05	0.01	0.4	ENE
12/9/2024 06:28:00	10.9	10.9	0.1	0.04	0.04	0.00	0.4	S
12/9/2024 06:29:00	10.8	10.9	0.0	0.04	0.04	0.00	0.4	WSW
12/9/2024 06:30:00	10.6	11.0	0.4	0.04	0.05	0.01	0.4	SW
12/9/2024 06:31:00	10.5	10.9	0.4	0.04	0.05	0.01	0.4	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 06:32:00	10.6	10.7	0.1	0.04	0.04	0.00	0.3	NNE
12/9/2024 06:33:00	10.4	10.7	0.2	0.04	0.04	0.00	0.3	SSW
12/9/2024 06:34:00	10.4	10.6	0.3	0.04	0.04	0.00	0.2	WSW
12/9/2024 06:35:00	10.3	10.6	0.3	0.04	0.04	0.00	0.2	SW
12/9/2024 06:36:00	10.2	10.5	0.3	0.04	0.04	0.00	0.2	SW
12/9/2024 06:37:00	10.1	10.4	0.3	0.04	0.04	0.01	0.2	SW
12/9/2024 06:38:00	9.9	10.4	0.5	0.04	0.05	0.01	0.2	SSW
12/9/2024 06:39:00	9.7	10.4	0.7	0.04	0.05	0.01	0.2	W
12/9/2024 06:40:00	9.4	10.4	0.9	0.04	0.05	0.01	0.3	SSW
12/9/2024 06:41:00	9.1	10.3	1.2	0.03	0.05	0.02	0.3	SW
12/9/2024 06:42:00	8.8	10.3	1.5	0.03	0.05	0.02	0.4	SW
12/9/2024 06:43:00	8.5	10.3	1.8	0.03	0.05	0.02	0.5	SW
12/9/2024 06:44:00	8.4	10.2	1.8	0.03	0.05	0.02	0.5	SW
12/9/2024 06:45:00	8.3	10.0	1.7	0.03	0.05	0.02	0.6	SW
12/9/2024 06:46:00	8.2	9.8	1.6	0.03	0.05	0.02	0.6	SW
12/9/2024 06:47:00	7.9	9.7	1.8	0.03	0.05	0.02	0.7	SSW
12/9/2024 06:48:00	7.8	9.4	1.7	0.03	0.05	0.02	0.7	SW
12/9/2024 06:49:00	7.7	9.1	1.5	0.02	0.05	0.02	0.7	SSW
12/9/2024 06:50:00	7.6	8.9	1.3	0.02	0.04	0.02	0.7	SW
12/9/2024 06:51:00	7.5	8.7	1.1	0.02	0.04	0.02	0.7	SSW
12/9/2024 06:52:00	7.6	8.6	0.9	0.02	0.04	0.02	0.7	SSW
12/9/2024 06:53:00	7.6	8.4	0.8	0.02	0.04	0.02	0.7	SSW
12/9/2024 06:54:00	7.7	8.4	0.7	0.03	0.04	0.01	0.7	SW
12/9/2024 06:55:00	7.7	8.4	0.6	0.03	0.04	0.01	0.6	S
12/9/2024 06:56:00	7.9	8.4	0.5	0.03	0.04	0.01	0.6	SW
12/9/2024 06:57:00	8.0	8.4	0.4	0.03	0.04	0.01	0.5	SSW
12/9/2024 06:58:00	8.1	8.3	0.2	0.03	0.04	0.01	0.5	SW
12/9/2024 06:59:00	8.2	8.3	0.1	0.03	0.04	0.01	0.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 07:00:00	8.4	8.3	0.0	0.03	0.04	0.01	0.4	SW
12/9/2024 07:01:00	8.5	8.3	0.0	0.04	0.04	0.01	0.3	WSW
12/9/2024 07:02:00	8.7	8.5	0.0	0.04	0.04	0.01	0.3	SSW
12/9/2024 07:03:00	8.9	8.6	0.0	0.04	0.05	0.01	0.3	SW
12/9/2024 07:04:00	9.1	8.8	0.0	0.04	0.05	0.01	0.3	SSW
12/9/2024 07:05:00	9.2	9.0	0.0	0.04	0.05	0.01	0.3	SW
12/9/2024 07:06:00	9.4	9.1	0.0	0.05	0.05	0.01	0.3	SW
12/9/2024 07:07:00	9.4	9.2	0.0	0.05	0.06	0.01	0.2	SW
12/9/2024 07:08:00	9.5	9.3	0.0	0.05	0.06	0.01	0.2	SSW
12/9/2024 07:09:00	9.5	9.3	0.0	0.05	0.06	0.01	0.2	NW
12/9/2024 07:10:00	9.5	9.2	0.0	0.05	0.06	0.01	0.2	WNW
12/9/2024 07:11:00	9.5	9.2	0.0	0.05	0.06	0.01	0.2	WNW
12/9/2024 07:12:00	9.4	9.2	0.0	0.05	0.06	0.01	0.2	NNW
12/9/2024 07:13:00	9.3	9.1	0.0	0.05	0.06	0.01	0.2	ENE
12/9/2024 07:14:00	9.3	9.1	0.0	0.05	0.06	0.01	0.2	SW
12/9/2024 07:15:00	9.1	9.1	0.0	0.05	0.06	0.01	0.2	NW
12/9/2024 07:16:00	8.9	9.0	0.0	0.04	0.06	0.01	0.2	WNW
12/9/2024 07:17:00	8.8	8.8	0.0	0.04	0.06	0.01	0.2	NW
12/9/2024 07:18:00	8.7	8.6	0.0	0.04	0.05	0.01	0.2	NW
12/9/2024 07:19:00	8.5	8.3	0.0	0.04	0.05	0.01	0.2	SW
12/9/2024 07:20:00	8.3	8.1	0.0	0.05	0.05	0.00	0.2	W
12/9/2024 07:21:00	8.0	7.9	0.0	0.06	0.05	0.00	0.2	WNW
12/9/2024 07:22:00	7.8	7.7	0.0	0.06	0.04	0.00	0.3	SW
12/9/2024 07:23:00	7.5	7.4	0.0	0.06	0.04	0.00	0.3	NNE
12/9/2024 07:24:00	7.2	7.2	0.0	0.06	0.04	0.00	0.2	WNW
12/9/2024 07:25:00	7.1	7.0	0.0	0.05	0.04	0.00	0.2	SW
12/9/2024 07:26:00	6.8	6.8	0.0	0.05	0.04	0.00	0.2	WSW
12/9/2024 07:27:00	6.6	6.5	0.0	0.05	0.03	0.00	0.3	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 07:28:00	6.2	6.3	0.1	0.05	0.03	0.00	0.3	SSW
12/9/2024 07:29:00	6.0	6.0	0.0	0.05	0.03	0.00	0.3	SSW
12/9/2024 07:30:00	5.8	5.7	0.0	0.05	0.03	0.00	0.3	WSW
12/9/2024 07:31:00	5.7	5.4	0.0	0.05	0.03	0.00	0.3	WNW
12/9/2024 07:32:00	5.4	5.3	0.0	0.05	0.03	0.00	0.3	NNE
12/9/2024 07:33:00	5.2	5.2	0.0	0.05	0.03	0.00	0.3	NNE
12/9/2024 07:34:00	4.9	5.0	0.1	0.04	0.03	0.00	0.3	N
12/9/2024 07:35:00	4.8	4.9	0.1	0.04	0.03	0.00	0.2	NNE
12/9/2024 07:36:00	4.7	4.8	0.2	0.03	0.03	0.00	0.2	WNW
12/9/2024 07:37:00	4.6	4.8	0.2	0.03	0.03	0.00	0.2	NNW
12/9/2024 07:38:00	4.5	4.8	0.3	0.03	0.03	0.00	0.2	N
12/9/2024 07:39:00	4.4	4.8	0.4	0.02	0.03	0.01	0.2	N
12/9/2024 07:40:00	4.3	4.8	0.5	0.02	0.03	0.01	0.3	NNW
12/9/2024 07:41:00	4.3	4.8	0.5	0.02	0.04	0.01	0.4	NNW
12/9/2024 07:42:00	4.3	4.8	0.5	0.03	0.04	0.01	0.4	NNE
12/9/2024 07:43:00	4.4	4.8	0.5	0.03	0.04	0.01	0.5	N
12/9/2024 07:44:00	4.4	4.9	0.5	0.03	0.05	0.02	0.5	NW
12/9/2024 07:45:00	4.5	5.0	0.5	0.03	0.05	0.03	0.6	NNW
12/9/2024 07:46:00	4.6	5.1	0.5	0.03	0.05	0.02	0.6	NNE
12/9/2024 07:47:00	4.7	5.0	0.4	0.03	0.05	0.02	0.6	NE
12/9/2024 07:48:00	4.8	5.2	0.4	0.03	0.05	0.02	0.7	NNE
12/9/2024 07:49:00	4.9	5.2	0.4	0.03	0.05	0.02	0.7	N
12/9/2024 07:50:00	4.9	5.3	0.4	0.03	0.05	0.01	0.8	NNE
12/9/2024 07:51:00	5.0	5.3	0.3	0.03	0.05	0.02	0.8	N
12/9/2024 07:52:00	5.1	5.3	0.2	0.03	0.05	0.02	0.8	ENE
12/9/2024 07:53:00	5.2	5.3	0.2	0.04	0.04	0.01	0.7	ESE
12/9/2024 07:54:00	5.2	5.3	0.1	0.04	0.04	0.01	0.6	SW
12/9/2024 07:55:00	5.3	5.4	0.1	0.04	0.04	0.01	0.5	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 07:56:00	5.3	5.4	0.1	0.04	0.04	0.00	0.4	WSW
12/9/2024 07:57:00	5.4	5.5	0.1	0.03	0.04	0.01	0.3	WSW
12/9/2024 07:58:00	5.4	5.5	0.1	0.03	0.03	0.01	0.2	S
12/9/2024 07:59:00	5.4	5.4	0.0	0.03	0.03	0.00	0.2	SSE
12/9/2024 08:00:00	5.4	5.4	0.0	0.03	0.02	0.00	0.2	NE
12/9/2024 08:01:00	5.4	5.3	0.0	0.03	0.02	0.00	0.2	NNE
12/9/2024 08:02:00	5.3	5.3	0.0	0.03	0.03	0.00	0.1	SW
12/9/2024 08:03:00	5.3	5.3	0.0	0.03	0.03	0.00	0.1	SSW
12/9/2024 08:04:00	5.3	5.3	0.0	0.03	0.03	0.00	0.1	NE
12/9/2024 08:05:00	5.4	5.3	0.0	0.03	0.03	0.00	0.2	W
12/9/2024 08:06:00	5.5	5.2	0.0	0.03	0.03	0.00	0.3	SSW
12/9/2024 08:07:00	5.4	5.4	0.0	0.02	0.03	0.01	0.3	E
12/9/2024 08:08:00	5.3	5.3	0.0	0.02	0.03	0.01	0.3	SW
12/9/2024 08:09:00	5.3	5.1	0.0	0.02	0.03	0.01	0.2	ENE
12/9/2024 08:10:00	5.3	5.0	0.0	0.02	0.03	0.00	0.1	ENE
12/9/2024 08:11:00	5.2	5.0	0.0	0.03	0.02	0.00	0.2	S
12/9/2024 08:12:00	5.2	5.0	0.0	0.03	0.02	0.00	0.2	SW
12/9/2024 08:13:00	5.2	4.9	0.0	0.03	0.03	0.00	0.3	SW
12/9/2024 08:14:00	5.2	5.0	0.0	0.02	0.03	0.00	0.3	SW
12/9/2024 08:15:00	5.1	5.0	0.0	0.02	0.03	0.00	0.4	SW
12/9/2024 08:16:00	5.1	5.0	0.0	0.02	0.03	0.01	0.4	SW
12/9/2024 08:17:00	5.0	4.9	0.0	0.02	0.03	0.01	0.4	SW
12/9/2024 08:18:00	5.0	5.0	0.0	0.02	0.02	0.01	0.4	SSW
12/9/2024 08:19:00	4.9	5.0	0.1	0.02	0.02	0.01	0.5	WSW
12/9/2024 08:20:00	4.8	5.0	0.2	0.01	0.02	0.01	0.6	SW
12/9/2024 08:21:00	4.7	5.1	0.3	0.01	0.02	0.01	0.5	NNW
12/9/2024 08:22:00	4.8	5.0	0.2	0.01	0.02	0.01	0.6	SW
12/9/2024 08:23:00	4.8	5.1	0.3	0.01	0.02	0.01	0.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 08:24:00	4.9	5.2	0.3	0.01	0.02	0.01	0.8	SSW
12/9/2024 08:25:00	5.0	5.4	0.4	0.01	0.02	0.01	0.9	SW
12/9/2024 08:26:00	5.0	5.4	0.4	0.01	0.02	0.01	0.9	WSW
12/9/2024 08:27:00	5.1	5.5	0.5	0.01	0.02	0.01	0.8	W
12/9/2024 08:28:00	5.1	5.6	0.5	0.00	0.02	0.01	0.8	NNW
12/9/2024 08:29:00	5.2	5.7	0.5	0.00	0.02	0.01	0.8	WSW
12/9/2024 08:30:00	5.3	5.8	0.5	0.01	0.02	0.01	0.8	SW
12/9/2024 08:31:00	5.3	5.8	0.5	0.01	0.02	0.01	0.8	SW
12/9/2024 08:32:00	5.4	5.9	0.5	0.01	0.02	0.01	0.9	SSW
12/9/2024 08:33:00	5.4	5.9	0.5	0.01	0.02	0.01	0.8	SSW
12/9/2024 08:34:00	5.5	5.9	0.4	0.01	0.02	0.01	0.8	SSW
12/9/2024 08:35:00	5.5	5.9	0.4	0.01	0.02	0.01	0.8	SW
12/9/2024 08:36:00	5.5	5.8	0.4	0.01	0.02	0.01	0.9	SW
12/9/2024 08:37:00	5.4	5.8	0.3	0.01	0.02	0.01	0.8	SSW
12/9/2024 08:38:00	5.4	5.7	0.3	0.01	0.02	0.01	0.8	SW
12/9/2024 08:39:00	5.4	5.7	0.3	0.01	0.02	0.01	0.8	SW
12/9/2024 08:40:00	5.3	5.6	0.3	0.01	0.02	0.01	0.7	W
12/9/2024 08:41:00	5.4	5.6	0.2	0.00	0.02	0.01	0.7	SSW
12/9/2024 08:42:00	5.4	5.5	0.2	0.00	0.02	0.01	0.8	WSW
12/9/2024 08:43:00	5.4	5.5	0.1	0.00	0.02	0.01	0.8	SSW
12/9/2024 08:44:00	5.4	5.5	0.1	0.00	0.02	0.01	0.8	WSW
12/9/2024 08:45:00	5.4	5.5	0.0	0.00	0.02	0.02	0.8	SW
12/9/2024 08:46:00	5.5	5.5	0.0	0.00	0.02	0.02	0.8	SW
12/9/2024 08:47:00	5.6	5.5	0.0	0.00	0.02	0.01	0.8	SW
12/9/2024 08:48:00	5.7	5.5	0.0	0.00	0.02	0.01	0.7	N
12/9/2024 08:49:00	5.7	5.5	0.0	0.00	0.02	0.01	0.7	SW
12/9/2024 08:50:00	5.8	5.6	0.0	0.00	0.02	0.01	0.7	WSW
12/9/2024 08:51:00	5.9	5.6	0.0	0.00	0.02	0.01	0.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 08:52:00	6.0	5.8	0.0	0.01	0.02	0.01	0.6	ENE
12/9/2024 08:53:00	6.1	5.8	0.0	0.01	0.02	0.01	0.6	SSW
12/9/2024 08:54:00	6.2	5.9	0.0	0.01	0.02	0.01	0.6	WSW
12/9/2024 08:55:00	6.3	6.0	0.0	0.01	0.02	0.01	0.5	NNW
12/9/2024 08:56:00	6.3	6.0	0.0	0.01	0.02	0.01	0.4	NNE
12/9/2024 08:57:00	6.3	6.1	0.0	0.01	0.02	0.01	0.4	W
12/9/2024 08:58:00	6.2	6.1	0.0	0.01	0.02	0.01	0.4	WSW
12/9/2024 08:59:00	6.1	6.2	0.0	0.01	0.02	0.01	0.5	SW
12/9/2024 09:00:00	6.1	6.2	0.2	0.01	0.02	0.01	0.5	SSW
12/9/2024 09:01:00	6.0	6.2	0.3	0.01	0.02	0.01	0.5	SW
12/9/2024 09:02:00	5.8	6.3	0.5	0.01	0.02	0.01	0.5	SW
12/9/2024 09:03:00	5.7	6.3	0.6	0.00	0.02	0.01	0.7	SW
12/9/2024 09:04:00	5.6	6.3	0.7	0.00	0.02	0.01	0.6	NW
12/9/2024 09:05:00	5.5	6.3	0.8	0.00	0.02	0.01	0.6	WSW
12/9/2024 09:06:00	5.3	6.3	1.0	0.00	0.01	0.01	0.6	SSW
12/9/2024 09:07:00	5.2	6.3	1.0	0.00	0.02	0.01	0.7	SW
12/9/2024 09:08:00	5.0	6.2	1.1	0.00	0.02	0.01	0.8	WSW
12/9/2024 09:09:00	4.9	6.2	1.3	0.00	0.01	0.01	0.8	SW
12/9/2024 09:10:00	4.8	6.1	1.4	0.00	0.01	0.01	0.9	SSW
12/9/2024 09:11:00	4.6	6.1	1.5	0.00	0.01	0.01	1.0	WSW
12/9/2024 09:12:00	4.5	6.1	1.6	0.00	0.01	0.01	1.1	SW
12/9/2024 09:13:00	4.5	6.0	1.6	0.00	0.01	0.01	1.1	WNW
12/9/2024 09:14:00	4.4	6.0	1.6	0.00	0.01	0.01	1.0	N
12/9/2024 09:15:00	4.4	6.0	1.6	0.00	0.01	0.01	0.9	NW
12/9/2024 09:16:00	4.4	6.0	1.6	0.00	0.01	0.01	0.9	W
12/9/2024 09:17:00	4.4	6.0	1.6	0.00	0.01	0.01	0.8	WSW
12/9/2024 09:18:00	4.4	6.0	1.6	0.00	0.01	0.01	0.8	SW
12/9/2024 09:19:00	4.3	5.9	1.6	0.00	0.01	0.01	0.8	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 09:20:00	4.4	5.8	1.4	0.00	0.01	0.01	0.8	SSE
12/9/2024 09:21:00	4.3	5.7	1.4	0.00	0.01	0.01	0.8	SW
12/9/2024 09:22:00	4.3	5.8	1.5	0.00	0.01	0.01	0.8	SSW
12/9/2024 09:23:00	4.3	5.9	1.6	0.00	0.01	0.01	0.8	WSW
12/9/2024 09:24:00	4.3	5.8	1.5	0.01	0.01	0.01	0.8	SW
12/9/2024 09:25:00	4.3	5.8	1.4	0.01	0.01	0.01	0.8	WSW
12/9/2024 09:26:00	4.3	5.7	1.4	0.01	0.01	0.01	0.8	SW
12/9/2024 09:27:00	4.3	5.6	1.3	0.01	0.01	0.01	0.7	WSW
12/9/2024 09:28:00	4.3	5.6	1.3	0.01	0.01	0.01	0.7	SW
12/9/2024 09:29:00	4.3	5.5	1.2	0.01	0.01	0.01	0.8	SSW
12/9/2024 09:30:00	4.3	5.5	1.2	0.01	0.01	0.00	0.8	WSW
12/9/2024 09:31:00	4.4	5.4	1.0	0.01	0.01	0.00	0.8	ENE
12/9/2024 09:32:00	4.4	5.3	1.0	0.01	0.01	0.00	0.8	SW
12/9/2024 09:33:00	4.4	5.3	0.9	0.01	0.01	0.00	0.7	WSW
12/9/2024 09:34:00	4.4	5.3	0.8	0.01	0.01	0.00	0.7	SW
12/9/2024 09:35:00	4.3	5.3	1.0	0.01	0.01	0.00	0.7	W
12/9/2024 09:36:00	4.3	5.3	1.0	0.01	0.01	0.01	0.8	SW
12/9/2024 09:37:00	4.3	5.1	0.9	0.01	0.01	0.01	0.8	SW
12/9/2024 09:38:00	4.3	5.0	0.7	0.01	0.01	0.00	0.8	SW
12/9/2024 09:39:00	4.2	5.0	0.8	0.00	0.01	0.01	0.8	WNW
12/9/2024 09:40:00	4.2	5.0	0.8	0.00	0.01	0.01	0.7	SSW
12/9/2024 09:41:00	4.1	4.9	0.8	0.00	0.01	0.01	0.7	WSW
12/9/2024 09:42:00	4.1	5.0	0.9	0.00	0.01	0.01	0.7	WSW
12/9/2024 09:43:00	4.1	5.0	0.9	0.00	0.01	0.01	0.6	SW
12/9/2024 09:44:00	4.1	5.0	0.9	0.00	0.01	0.01	0.7	SW
12/9/2024 09:45:00	4.1	5.0	0.9	0.00	0.01	0.01	0.7	WSW
12/9/2024 09:46:00	4.0	5.1	1.1	0.00	0.01	0.01	0.8	W
12/9/2024 09:47:00	4.0	5.1	1.1	0.00	0.02	0.01	0.8	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 09:48:00	4.0	5.1	1.1	0.00	0.01	0.01	0.8	WSW
12/9/2024 09:49:00	4.0	5.1	1.1	0.00	0.01	0.01	0.8	SW
12/9/2024 09:50:00	4.0	5.1	1.1	0.00	0.01	0.01	0.8	WNW
12/9/2024 09:51:00	4.0	5.1	1.1	0.00	0.01	0.01	0.8	WNW
12/9/2024 09:52:00	4.1	5.2	1.1	0.00	0.01	0.01	0.7	NNW
12/9/2024 09:53:00	4.1	5.2	1.1	0.01	0.01	0.01	0.7	SW
12/9/2024 09:54:00	4.2	5.1	0.9	0.01	0.01	0.01	0.7	ESE
12/9/2024 09:55:00	4.2	5.2	1.0	0.01	0.01	0.01	0.6	N
12/9/2024 09:56:00	4.2	5.2	1.0	0.01	0.02	0.01	0.6	SW
12/9/2024 09:57:00	4.2	5.2	1.0	0.01	0.02	0.01	0.6	WSW
12/9/2024 09:58:00	4.2	5.2	1.0	0.01	0.02	0.01	0.6	SW
12/9/2024 09:59:00	4.2	5.2	1.0	0.01	0.02	0.01	0.6	WSW
12/9/2024 10:00:00	4.1	5.2	1.0	0.01	0.02	0.01	0.6	SW
12/9/2024 10:01:00	4.1	5.1	1.1	0.01	0.02	0.01	0.6	SW
12/9/2024 10:02:00	4.1	5.1	1.1	0.01	0.02	0.01	0.6	WNW
12/9/2024 10:03:00	4.0	5.1	1.1	0.01	0.02	0.01	0.7	WSW
12/9/2024 10:04:00	4.1	5.1	1.1	0.01	0.02	0.01	0.7	SW
12/9/2024 10:05:00	4.2	5.1	0.9	0.01	0.02	0.01	0.7	SW
12/9/2024 10:06:00	4.1	5.1	1.0	0.01	0.02	0.01	0.7	WSW
12/9/2024 10:07:00	4.2	5.1	0.9	0.00	0.02	0.01	0.8	WSW
12/9/2024 10:08:00	4.3	5.1	0.8	0.00	0.02	0.01	0.7	WSW
12/9/2024 10:09:00	4.3	5.3	1.0	0.00	0.01	0.01	0.7	NNW
12/9/2024 10:10:00	4.4	5.4	1.0	0.00	0.01	0.01	0.8	SW
12/9/2024 10:11:00	4.8	5.5	0.8	0.00	0.01	0.01	0.8	WSW
12/9/2024 10:12:00	5.0	5.6	0.6	0.00	0.01	0.01	0.8	WNW
12/9/2024 10:13:00	5.2	5.7	0.5	0.00	0.01	0.01	0.7	NE
12/9/2024 10:14:00	5.4	5.8	0.4	0.00	0.01	0.01	0.6	SW
12/9/2024 10:15:00	5.6	5.9	0.3	0.00	0.01	0.01	0.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 10:16:00	5.8	6.0	0.2	0.00	0.01	0.01	0.6	SW
12/9/2024 10:17:00	6.1	6.1	0.0	0.01	0.01	0.01	0.7	SW
12/9/2024 10:18:00	6.3	6.2	0.0	0.01	0.01	0.00	0.7	SW
12/9/2024 10:19:00	6.5	6.3	0.0	0.01	0.01	0.00	0.7	SW
12/9/2024 10:20:00	6.5	6.4	0.0	0.01	0.01	0.00	0.6	N
12/9/2024 10:21:00	6.7	6.4	0.0	0.01	0.01	0.00	0.6	SSW
12/9/2024 10:22:00	6.8	6.5	0.0	0.01	0.01	0.00	0.6	SW
12/9/2024 10:23:00	6.9	6.5	0.0	0.01	0.01	0.00	0.6	SSW
12/9/2024 10:24:00	6.9	6.5	0.0	0.01	0.01	0.00	0.6	NW
12/9/2024 10:25:00	7.0	6.5	0.0	0.01	0.01	0.00	0.6	W
12/9/2024 10:26:00	6.8	6.4	0.0	0.01	0.01	0.00	0.6	WSW
12/9/2024 10:27:00	6.7	6.4	0.0	0.01	0.01	0.00	0.6	WSW
12/9/2024 10:28:00	6.8	6.4	0.0	0.01	0.01	0.00	0.7	WSW
12/9/2024 10:29:00	6.8	6.4	0.0	0.01	0.01	0.00	0.7	W
12/9/2024 10:30:00	6.7	6.4	0.0	0.01	0.01	0.00	0.7	SW
12/9/2024 10:31:00	6.7	6.3	0.0	0.01	0.01	0.00	0.6	WSW
12/9/2024 10:32:00	6.6	6.3	0.0	0.01	0.01	0.00	0.6	WSW
12/9/2024 10:33:00	6.7	6.3	0.0	0.01	0.01	0.00	0.6	WSW
12/9/2024 10:34:00	6.8	6.4	0.0	0.00	0.01	0.01	0.6	SW
12/9/2024 10:35:00	6.9	6.5	0.0	0.00	0.01	0.01	0.7	SW
12/9/2024 10:36:00	7.0	6.5	0.0	0.00	0.01	0.01	0.7	SW
12/9/2024 10:37:00	6.9	6.5	0.0	0.00	0.01	0.01	0.7	WSW
12/9/2024 10:38:00	6.9	6.6	0.0	0.00	0.01	0.01	0.7	WSW
12/9/2024 10:39:00	7.4	6.6	0.0	0.00	0.01	0.01	0.7	WSW
12/9/2024 10:40:00	8.0	6.6	0.0	0.00	0.01	0.01	0.7	NW
12/9/2024 10:41:00	8.4	6.7	0.0	0.01	0.01	0.01	0.7	SW
12/9/2024 10:42:00	8.4	6.7	0.0	0.01	0.01	0.01	0.7	W
12/9/2024 10:43:00	8.3	6.7	0.0	0.01	0.01	0.00	0.7	SSE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 10:44:00	8.4	6.7	0.0	0.01	0.01	0.01	0.7	SW
12/9/2024 10:45:00	8.4	6.7	0.0	0.00	0.01	0.01	0.7	W
12/9/2024 10:46:00	8.5	6.6	0.0	0.00	0.01	0.01	0.7	WSW
12/9/2024 10:47:00	8.6	6.6	0.0	0.00	0.01	0.01	0.7	WSW
12/9/2024 10:48:00	8.3	6.6	0.0	0.00	0.01	0.01	0.8	SW
12/9/2024 10:49:00	8.1	6.5	0.0	0.00	0.01	0.01	0.8	SW
12/9/2024 10:50:00	8.1	6.5	0.0	0.00	0.01	0.01	0.8	SW
12/9/2024 10:51:00	8.0	6.4	0.0	0.00	0.01	0.00	0.8	WSW
12/9/2024 10:52:00	8.0	6.4	0.0	0.00	0.01	0.00	0.8	SW
12/9/2024 10:53:00	8.2	6.4	0.0	0.00	0.01	0.00	0.9	SW
12/9/2024 10:54:00	7.6	6.4	0.0	0.00	0.01	0.00	0.9	SW
12/9/2024 10:55:00	7.0	6.3	0.0	0.00	0.00	0.00	1.0	SW
12/9/2024 10:56:00	6.5	6.3	0.0	0.00	0.00	0.00	0.9	WSW
12/9/2024 10:57:00	6.4	6.3	0.0	0.00	0.00	0.00	0.9	WSW
12/9/2024 10:58:00	6.4	6.3	0.0	0.00	0.00	0.00	0.9	NE
12/9/2024 10:59:00	6.5	6.3	0.0	0.00	0.00	0.00	0.9	WSW
12/9/2024 11:00:00	6.8	6.3	0.0	0.00	0.00	0.00	0.8	SSW
12/9/2024 11:01:00	6.8	6.3	0.0	0.00	0.00	0.00	0.8	WNW
12/9/2024 11:02:00	6.9	6.3	0.0	0.00	0.00	0.00	0.8	SW
12/9/2024 11:03:00	7.0	6.6	0.0	0.00	0.00	0.00	0.7	NE
12/9/2024 11:04:00	7.0	6.6	0.0	0.00	0.00	0.00	0.5	SE
12/9/2024 11:05:00	7.0	6.6	0.0	0.00	0.00	0.00	0.5	SW
12/9/2024 11:06:00	7.4	6.6	0.0	0.00	0.01	0.00	0.5	WNW
12/9/2024 11:07:00	7.8	6.6	0.0	0.00	0.01	0.00	0.5	WNW
12/9/2024 11:08:00	7.5	6.6	0.0	0.00	0.01	0.00	0.4	SW
12/9/2024 11:09:00	7.5	6.6	0.0	0.00	0.01	0.00	0.4	SW
12/9/2024 11:10:00	7.6	6.5	0.0	0.00	0.01	0.00	0.3	E
12/9/2024 11:11:00	7.7	6.6	0.0	0.00	0.01	0.00	0.3	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 11:12:00	7.8	6.6	0.0	0.00	0.01	0.00	0.3	WSW
12/9/2024 11:13:00	7.7	6.6	0.0	0.00	0.01	0.00	0.3	E
12/9/2024 11:14:00	7.9	6.6	0.0	0.00	0.01	0.00	0.3	NW
12/9/2024 11:15:00	7.8	6.6	0.0	0.00	0.01	0.00	0.3	NW
12/9/2024 11:16:00	7.7	6.9	0.0	0.01	0.01	0.00	0.2	ENE
12/9/2024 11:17:00	7.4	6.9	0.0	0.01	0.01	0.00	0.2	WSW
12/9/2024 11:18:00	7.3	6.6	0.0	0.00	0.01	0.00	0.3	WSW
12/9/2024 11:19:00	7.2	6.6	0.0	0.00	0.01	0.01	0.4	W
12/9/2024 11:20:00	7.2	6.5	0.0	0.00	0.01	0.00	0.4	NW
12/9/2024 11:21:00	6.7	6.5	0.0	0.00	0.01	0.00	0.4	NW
12/9/2024 11:22:00	6.3	6.4	0.1	0.00	0.01	0.00	0.3	ENE
12/9/2024 11:23:00	6.3	6.4	0.1	0.00	0.01	0.01	0.3	WSW
12/9/2024 11:24:00	6.3	6.4	0.1	0.00	0.01	0.01	0.3	SSW
12/9/2024 11:25:00	6.2	6.4	0.2	0.00	0.01	0.01	0.3	N
12/9/2024 11:26:00	6.2	6.3	0.2	0.00	0.01	0.01	0.3	NE
12/9/2024 11:27:00	6.1	6.3	0.2	0.00	0.01	0.01	0.3	WSW
12/9/2024 11:28:00	6.1	6.4	0.3	0.00	0.01	0.01	0.3	NW
12/9/2024 11:29:00	6.0	6.3	0.4	0.00	0.01	0.01	0.3	ENE
12/9/2024 11:30:00	5.8	6.3	0.5	0.01	0.01	0.01	0.2	NE
12/9/2024 11:31:00	6.0	6.0	0.0	0.01	0.01	0.01	0.2	NE
12/9/2024 11:32:00	6.2	6.1	0.0	0.01	0.01	0.00	0.3	NE
12/9/2024 11:33:00	6.4	6.3	0.0	0.01	0.01	0.00	0.4	NE
12/9/2024 11:34:00	6.6	6.4	0.0	0.02	0.01	0.00	0.5	ENE
12/9/2024 11:35:00	6.7	6.5	0.0	0.02	0.01	0.00	0.5	E
12/9/2024 11:36:00	6.9	6.5	0.0	0.02	0.01	0.00	0.5	SSE
12/9/2024 11:37:00	7.0	6.7	0.0	0.02	0.01	0.00	0.5	NNE
12/9/2024 11:38:00	7.2	6.7	0.0	0.02	0.01	0.00	0.6	NE
12/9/2024 11:39:00	7.3	6.7	0.0	0.03	0.01	0.00	0.8	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 11:40:00	7.5	6.8	0.0	0.03	0.01	0.00	0.8	NE
12/9/2024 11:41:00	7.6	6.9	0.0	0.03	0.01	0.00	0.8	NE
12/9/2024 11:42:00	7.8	7.0	0.0	0.03	0.01	0.00	0.9	NE
12/9/2024 11:43:00	7.9	7.1	0.0	0.04	0.01	0.00	1.0	NE
12/9/2024 11:44:00	8.0	7.2	0.0	0.04	0.01	0.00	1.0	NE
12/9/2024 11:45:00	7.9	7.4	0.0	0.04	0.01	0.00	0.9	NNW
12/9/2024 11:46:00	7.9	7.4	0.0	0.04	0.02	0.00	0.9	ENE
12/9/2024 11:47:00	7.8	7.4	0.0	0.04	0.02	0.00	0.7	WSW
12/9/2024 11:48:00	7.8	7.4	0.0	0.03	0.02	0.00	0.6	SW
12/9/2024 11:49:00	7.9	7.4	0.0	0.03	0.02	0.00	0.6	ENE
12/9/2024 11:50:00	7.9	7.5	0.0	0.03	0.02	0.00	0.6	NNW
12/9/2024 11:51:00	7.9	7.6	0.0	0.03	0.02	0.00	0.6	NE
12/9/2024 11:52:00	7.9	7.7	0.0	0.03	0.03	0.00	0.6	NNW
12/9/2024 11:53:00	7.9	7.8	0.0	0.03	0.03	0.00	0.5	WSW
12/9/2024 11:54:00	7.9	7.8	0.0	0.03	0.03	0.00	0.4	ESE
12/9/2024 11:55:00	8.0	8.0	0.0	0.03	0.03	0.00	0.3	W
12/9/2024 11:56:00	8.1	8.0	0.0	0.03	0.03	0.00	0.3	NNE
12/9/2024 11:57:00	8.0	8.1	0.0	0.03	0.03	0.00	0.2	W
12/9/2024 11:58:00	8.1	8.1	0.1	0.03	0.03	0.01	0.2	SW
12/9/2024 11:59:00	8.0	8.2	0.2	0.03	0.04	0.01	0.2	WSW
12/9/2024 12:00:00	8.0	8.3	0.2	0.03	0.04	0.01	0.1	SW
12/9/2024 12:01:00	8.1	8.3	0.2	0.03	0.04	0.01	0.2	NE
12/9/2024 12:02:00	8.1	8.4	0.3	0.03	0.04	0.01	0.2	SW
12/9/2024 12:03:00	8.1	8.5	0.4	0.03	0.04	0.01	0.2	SW
12/9/2024 12:04:00	8.0	8.6	0.5	0.03	0.04	0.01	0.2	WNW
12/9/2024 12:05:00	8.1	8.5	0.4	0.03	0.04	0.01	0.2	NE
12/9/2024 12:06:00	8.1	8.4	0.4	0.03	0.04	0.01	0.2	NE
12/9/2024 12:07:00	8.1	8.5	0.4	0.03	0.04	0.01	0.2	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 12:08:00	8.1	8.5	0.4	0.03	0.04	0.01	0.2	N
12/9/2024 12:09:00	8.1	8.4	0.3	0.03	0.04	0.01	0.2	NNE
12/9/2024 12:10:00	8.0	8.3	0.3	0.03	0.04	0.01	0.2	NE
12/9/2024 12:11:00	7.9	8.4	0.4	0.04	0.04	0.01	0.2	N
12/9/2024 12:12:00	7.9	8.4	0.5	0.04	0.04	0.00	0.2	NNW
12/9/2024 12:13:00	7.9	8.3	0.3	0.04	0.04	0.00	0.2	E
12/9/2024 12:14:00	8.0	8.2	0.2	0.04	0.04	0.00	0.2	ENE
12/9/2024 12:15:00	8.1	8.0	0.0	0.04	0.04	0.00	0.3	E
12/9/2024 12:16:00	8.1	8.0	0.0	0.04	0.04	0.00	0.3	NE
12/9/2024 12:17:00	8.2	7.8	0.0	0.04	0.04	0.00	0.4	ENE
12/9/2024 12:18:00	8.3	7.6	0.0	0.04	0.04	0.00	0.4	N
12/9/2024 12:19:00	8.2	7.6	0.0	0.04	0.04	0.00	0.4	SW
12/9/2024 12:20:00	8.1	7.7	0.0	0.04	0.04	0.00	0.2	SW
12/9/2024 12:21:00	7.9	7.8	0.0	0.03	0.04	0.01	0.2	W
12/9/2024 12:22:00	8.0	7.7	0.0	0.04	0.04	0.00	0.2	NE
12/9/2024 12:23:00	7.9	7.7	0.0	0.04	0.04	0.00	0.2	NNW
12/9/2024 12:24:00	7.9	7.6	0.0	0.04	0.04	0.00	0.2	NNE
12/9/2024 12:25:00	7.7	7.7	0.0	0.03	0.03	0.00	0.2	W
12/9/2024 12:26:00	7.6	7.7	0.1	0.03	0.03	0.01	0.2	NW
12/9/2024 12:27:00	7.8	7.5	0.0	0.03	0.03	0.01	0.2	NE
12/9/2024 12:28:00	7.7	7.5	0.0	0.03	0.03	0.00	0.2	NE
12/9/2024 12:29:00	7.5	7.5	0.0	0.03	0.03	0.00	0.2	W
12/9/2024 12:30:00	7.2	7.5	0.3	0.03	0.03	0.00	0.2	WSW
12/9/2024 12:31:00	7.0	7.5	0.5	0.03	0.03	0.01	0.2	W
12/9/2024 12:32:00	6.9	7.4	0.5	0.03	0.03	0.01	0.2	NE
12/9/2024 12:33:00	6.6	7.5	0.8	0.02	0.03	0.01	0.2	SW
12/9/2024 12:34:00	6.5	7.4	0.8	0.02	0.03	0.01	0.2	W
12/9/2024 12:35:00	6.6	7.2	0.6	0.02	0.03	0.00	0.3	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 12:36:00	6.6	7.0	0.4	0.02	0.02	0.00	0.3	ENE
12/9/2024 12:37:00	6.4	7.0	0.6	0.02	0.02	0.01	0.2	SW
12/9/2024 12:38:00	6.3	6.8	0.4	0.02	0.02	0.00	0.2	NNE
12/9/2024 12:39:00	6.2	6.7	0.5	0.01	0.02	0.01	0.2	E
12/9/2024 12:40:00	6.2	6.4	0.2	0.02	0.02	0.00	0.3	NE
12/9/2024 12:41:00	6.1	6.3	0.1	0.02	0.01	0.00	0.3	NW
12/9/2024 12:42:00	5.9	6.2	0.3	0.01	0.01	0.00	0.3	NE
12/9/2024 12:43:00	5.9	6.1	0.2	0.01	0.01	0.00	0.3	NE
12/9/2024 12:44:00	5.8	6.0	0.2	0.01	0.01	0.00	0.4	NW
12/9/2024 12:45:00	5.8	6.0	0.2	0.01	0.01	0.00	0.4	WSW
12/9/2024 12:46:00	5.8	6.0	0.1	0.01	0.01	0.00	0.4	NW
12/9/2024 12:47:00	5.8	6.1	0.2	0.01	0.01	0.00	0.4	W
12/9/2024 12:48:00	6.0	6.0	0.0	0.01	0.01	0.00	0.4	NNW
12/9/2024 12:49:00	6.0	5.9	0.0	0.01	0.01	0.00	0.4	W
12/9/2024 12:50:00	5.8	5.9	0.1	0.01	0.01	0.00	0.4	NNW
12/9/2024 12:51:00	5.7	5.9	0.2	0.01	0.01	0.00	0.3	WSW
12/9/2024 12:52:00	5.7	6.0	0.3	0.01	0.00	0.00	0.3	WSW
12/9/2024 12:53:00	5.7	6.1	0.4	0.01	0.00	0.00	0.3	SW
12/9/2024 12:54:00	5.6	6.3	0.6	0.00	0.00	0.00	0.3	SW
12/9/2024 12:55:00	5.6	6.4	0.7	0.00	0.00	0.00	0.3	SW
12/9/2024 12:56:00	5.7	6.4	0.7	0.00	0.00	0.00	0.3	WSW
12/9/2024 12:57:00	5.6	6.5	0.9	0.00	0.00	0.00	0.4	SW
12/9/2024 12:58:00	5.5	6.6	1.0	0.00	0.00	0.00	0.5	W
12/9/2024 12:59:00	5.6	6.6	1.0	0.00	0.00	0.00	0.5	NNW
12/9/2024 13:00:00	5.6	6.6	0.9	0.00	0.00	0.00	0.5	SW
12/9/2024 13:01:00	5.6	6.5	1.0	0.00	0.00	0.00	0.5	SW
12/9/2024 13:02:00	5.4	6.5	1.1	0.00	0.00	0.00	0.6	SW
12/9/2024 13:03:00	5.3	6.5	1.2	0.00	0.00	0.00	0.6	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/9/2024 13:04:00	5.3	6.6	1.3	0.00	0.00	0.00	0.5	N
12/9/2024 13:05:00	5.3	6.6	1.3	0.00	0.00	0.00	0.6	WSW
12/9/2024 13:06:00							0.6	WNW
12/9/2024 13:07:00							0.5	SW
12/9/2024 13:08:00							0.5	NNE

DAILY FIELD REPORT 164

Prepared By: LANGAN

WEATHER	Snow		Rain	X	Overcast	X	Partly Cloudy	X	Sunny	
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 10, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported three truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs] and WC-Structure 5 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon imported one load of 3- to 5-inch rip rap from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Langan collected two documentation endpoint samples from the base of excavation in the south-central part of ABC Block 25. See samples collected section for details.
- Trevcon replaced previously installed absorbent booms in the south-central part of ABC Block 25.
- Trevcon excavated an about 4-foot-long by 15-foot-wide area to about 10-feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the south-central part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Petroleum-like impacts including odors were observed and a maximum PID reading of 76.1 parts per million (ppm) were observed. A sheen was observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Absorbent booms were used to prevent any sheen from entering the Anable Basin.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Odor-suppressing foam was applied to the soil/fill stockpile in the south-central part of ABC Block 25.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon installed geotextile fabric on top of existing soil in the south-central part of Block 25 to prepare for 3- to 5-inch rip rap backfill.

- Trevcon installed gabion baskets on top of geotextile fabric to construct waterfront structures in the southeastern part of ABC Block 25.
- Trevcon backfilled an about 4-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.
- Trevcon backfilled an about 4-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of geotextile fabric to construct waterfront structures in the southwestern part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of 3- to 5-inch rip rap from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon exported three truckloads of non-hazardous fill/soil from waste characterization cells (WC-Structure 4 [0-10 feet bgs] and WC- Structure 5 [0-10 feet bgs]) to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	3	**83**
	Quantity (CY)	60	**1640**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	1	**33**
		Quantity (CY)	20	**650**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- Langan collected two documentation endpoint sample (C241173_EP08_EL_N3 and C241173_EP09_EL_N3)) from the base of excavation in the southwestern part of ABC Block 25. The sample will be analyzed for Part 375/Target Compound List (TCL) volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), Target Analyte List (TAL) metals (including hexavalent/trivalent chromium), pesticides, herbicides, and per- and polyfluoroalkyl substances (PFAS) (40 Compound List) by Pace Analytical Laboratories located in Westborough, MA.

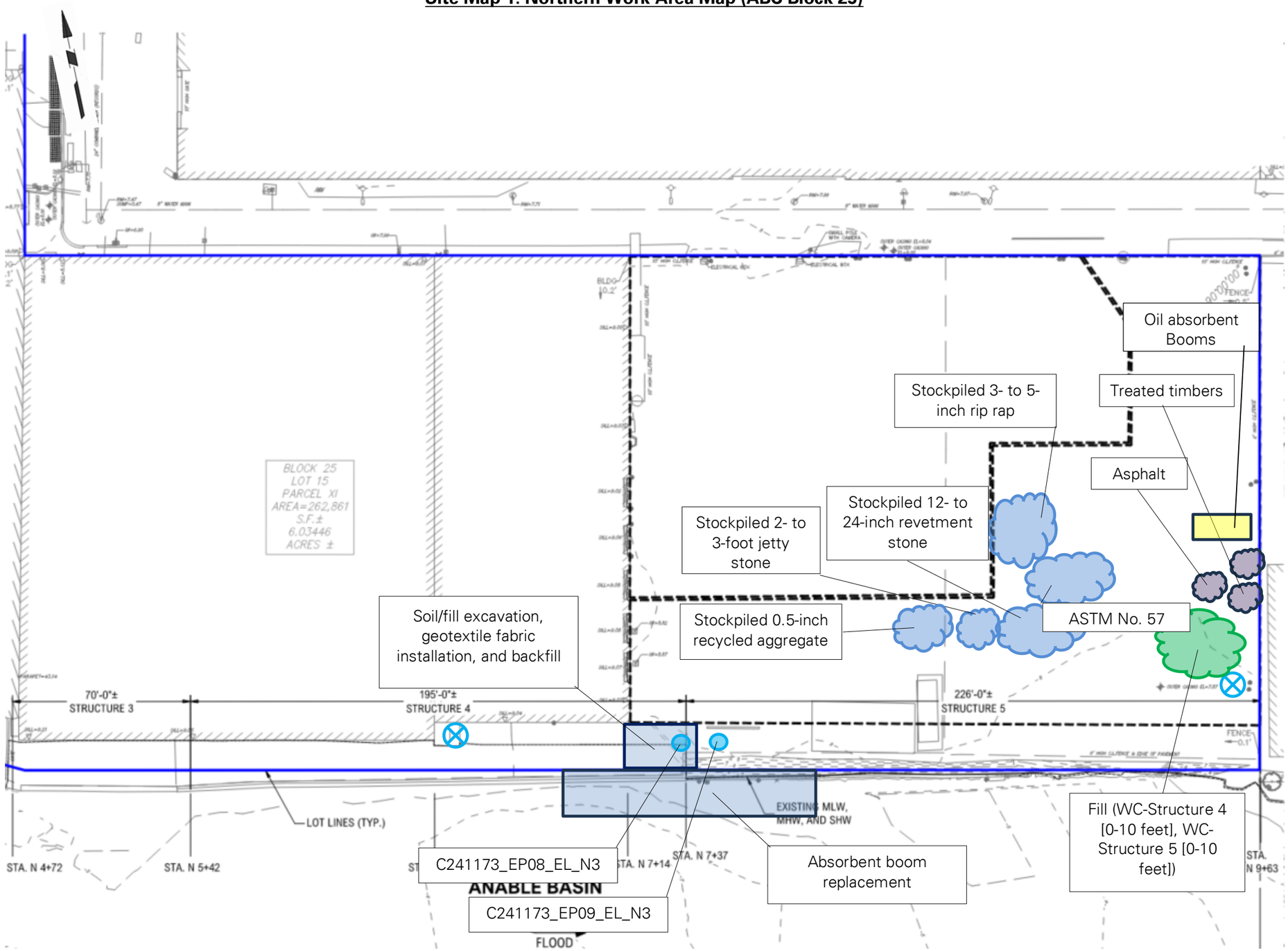
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

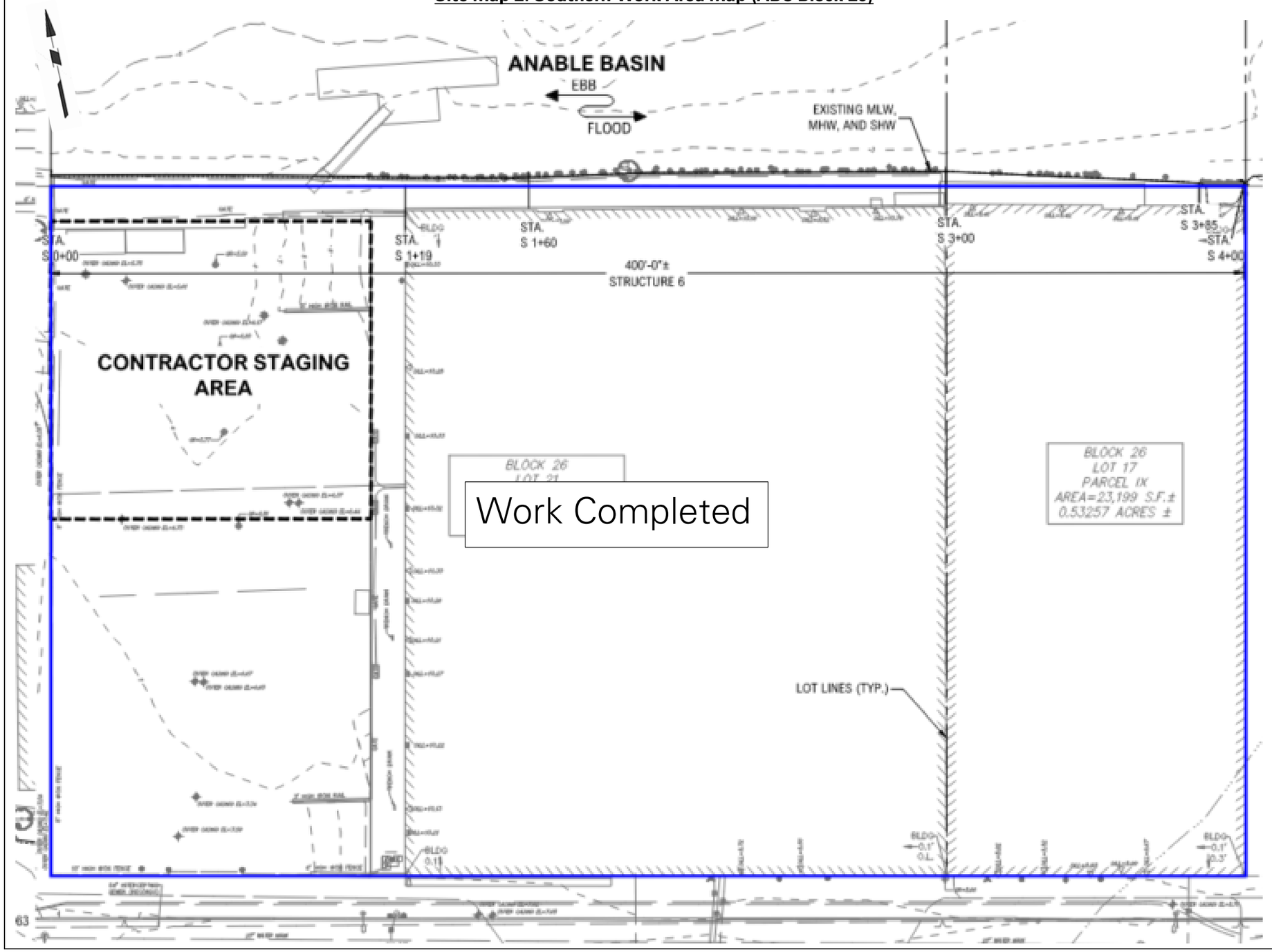


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.10 - Anable Basin Bulkhead Stabilization - Day 16463

Site Map 2: Southern Work Area Map (ABC Block 26)

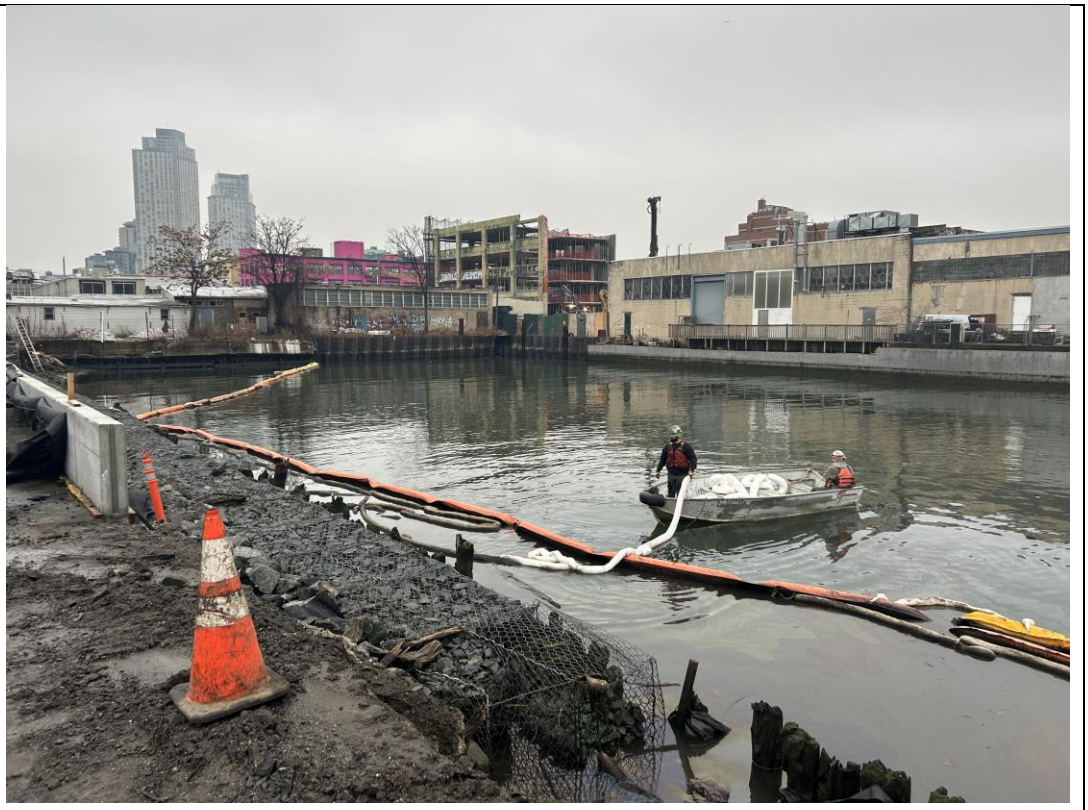


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.10 - Anable Basin Bulkhead Stabilization - Day 16463

Photo Log

Photo 1: Trevcon replacing absorbent booms in the southcentral part of Block 25 (facing southeast).	
Photo 2: Trevcon applying Atmos foam to stockpiled soil/fill in the eastern part of ABC Block 25 (facing east).	

File Name: 2024.12.10 - Anable Basin Bulkhead Stabilization - Day 16463

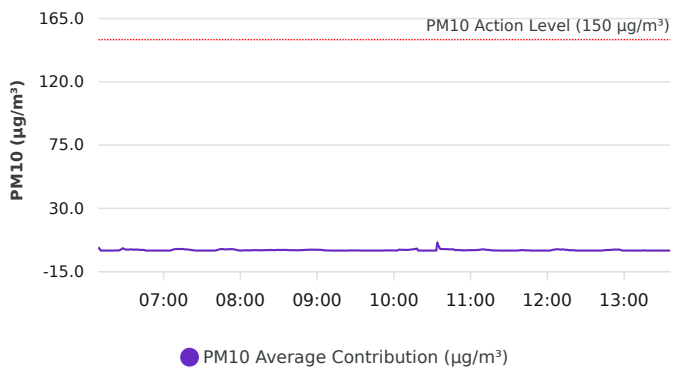
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/10/2024 04:00
		To:	12/10/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/10/2024	0.3-2.1	NNE

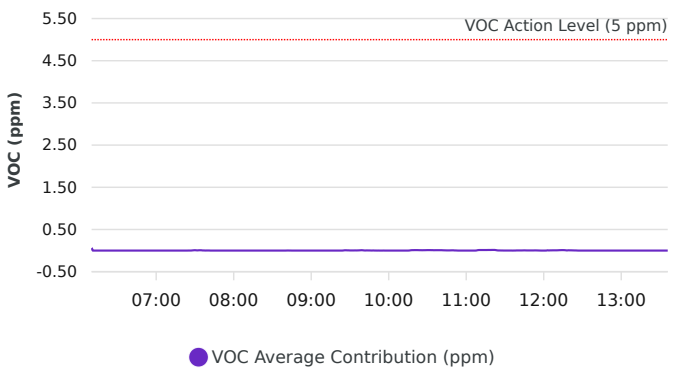
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/10/2024	0.0	06:11	0.00	06:11
Max Contribution (15 min avg.) - 12/10/2024	5.4	10:34	0.06	06:10



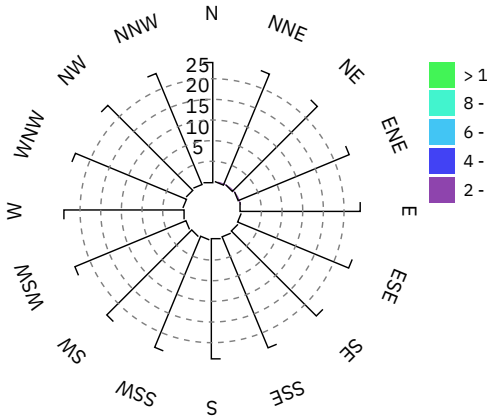
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 06:08:00							0.5	W
12/10/2024 06:09:00	43.8	46.1	2.3				0.8	W
12/10/2024 06:10:00	41.2	42.3	1.0	0.00	0.06	0.06	0.8	W
12/10/2024 06:11:00	40.3	39.6	0.0	0.03	0.03	0.00	0.4	E
12/10/2024 06:12:00	39.8	37.5	0.0	0.04	0.02	0.00	0.2	NE
12/10/2024 06:13:00	39.5	36.2	0.0	0.04	0.01	0.00	0.3	NE
12/10/2024 06:14:00	37.3	35.3	0.0	0.05	0.01	0.00	0.3	NE
12/10/2024 06:15:00	35.7	34.7	0.0	0.05	0.01	0.00	0.4	NE
12/10/2024 06:16:00	34.5	33.9	0.0	0.05	0.01	0.00	0.4	ESE
12/10/2024 06:17:00	33.6	33.2	0.0	0.05	0.01	0.00	0.5	ENE
12/10/2024 06:18:00	33.1	32.6	0.0	0.04	0.01	0.00	0.6	NE
12/10/2024 06:19:00	32.4	32.1	0.0	0.04	0.01	0.00	0.7	NE
12/10/2024 06:20:00	31.8	31.6	0.0	0.04	0.01	0.00	0.7	ENE
12/10/2024 06:21:00	31.3	31.2	0.0	0.05	0.01	0.00	0.7	NE
12/10/2024 06:22:00	30.8	30.9	0.1	0.04	0.01	0.00	0.7	N
12/10/2024 06:23:00	30.4	30.4	0.1	0.04	0.01	0.00	0.9	NNE
12/10/2024 06:24:00	28.9	28.9	0.0	0.04	0.01	0.00	1.0	NE
12/10/2024 06:25:00	27.7	27.8	0.1	0.05	0.00	0.00	1.1	NE
12/10/2024 06:26:00	26.5	27.0	0.5	0.04	0.00	0.00	1.1	ENE
12/10/2024 06:27:00	25.3	26.3	1.0	0.04	0.00	0.00	1.2	NE
12/10/2024 06:28:00	24.0	25.6	1.6	0.04	0.01	0.00	1.1	NNW
12/10/2024 06:29:00	23.8	25.0	1.2	0.04	0.01	0.00	1.1	NE
12/10/2024 06:30:00	23.6	24.4	0.8	0.04	0.01	0.00	1.1	NE
12/10/2024 06:31:00	23.2	23.9	0.7	0.04	0.01	0.00	1.1	NE
12/10/2024 06:32:00	22.8	23.5	0.6	0.03	0.01	0.00	1.1	N
12/10/2024 06:33:00	22.3	23.1	0.7	0.03	0.01	0.00	0.9	SW
12/10/2024 06:34:00	21.9	22.7	0.8	0.03	0.01	0.00	0.8	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 06:35:00	21.5	22.2	0.8	0.03	0.01	0.00	0.8	NE
12/10/2024 06:36:00	21.1	21.9	0.7	0.03	0.01	0.00	0.8	NE
12/10/2024 06:37:00	20.8	21.4	0.6	0.03	0.01	0.00	0.8	NNE
12/10/2024 06:38:00	20.4	21.1	0.7	0.03	0.01	0.00	0.7	NNW
12/10/2024 06:39:00	20.2	20.9	0.8	0.03	0.01	0.00	0.7	N
12/10/2024 06:40:00	19.9	20.6	0.7	0.03	0.01	0.00	0.6	NE
12/10/2024 06:41:00	19.7	20.3	0.6	0.03	0.01	0.00	0.6	ENE
12/10/2024 06:42:00	19.5	19.9	0.4	0.03	0.01	0.00	0.6	N
12/10/2024 06:43:00	19.3	19.7	0.4	0.03	0.01	0.00	0.5	SSW
12/10/2024 06:44:00	18.9	19.4	0.5	0.02	0.01	0.00	0.5	NNE
12/10/2024 06:45:00	18.6	19.0	0.4	0.02	0.01	0.00	0.5	NE
12/10/2024 06:46:00	18.8	18.6	0.0	0.02	0.01	0.00	0.5	NE
12/10/2024 06:47:00	19.1	18.2	0.0	0.04	0.01	0.00	0.5	NNE
12/10/2024 06:48:00	19.0	17.9	0.0	0.06	0.01	0.00	0.6	NNE
12/10/2024 06:49:00	18.7	17.9	0.0	0.06	0.03	0.00	0.6	W
12/10/2024 06:50:00	18.6	17.5	0.0	0.08	0.03	0.00	0.5	E
12/10/2024 06:51:00	18.6	17.3	0.0	0.10	0.03	0.00	0.5	NNE
12/10/2024 06:52:00	18.6	17.0	0.0	0.10	0.03	0.00	0.6	NNE
12/10/2024 06:53:00	18.5	16.7	0.0	0.11	0.03	0.00	0.6	NE
12/10/2024 06:54:00	18.4	16.4	0.0	0.12	0.03	0.00	0.6	ENE
12/10/2024 06:55:00	18.4	16.3	0.0	0.12	0.03	0.00	0.7	ENE
12/10/2024 06:56:00	18.3	16.2	0.0	0.12	0.03	0.00	0.7	NNE
12/10/2024 06:57:00	18.2	16.2	0.0	0.13	0.03	0.00	0.6	ESE
12/10/2024 06:58:00	18.1	16.1	0.0	0.13	0.03	0.00	0.7	SSE
12/10/2024 06:59:00	17.9	16.0	0.0	0.13	0.03	0.00	0.7	NE
12/10/2024 07:00:00	17.6	16.0	0.0	0.14	0.03	0.00	0.7	E
12/10/2024 07:01:00	16.9	15.9	0.0	0.13	0.03	0.00	0.7	NE
12/10/2024 07:02:00	16.2	15.8	0.0	0.12	0.03	0.00	0.7	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 07:03:00	15.8	15.8	0.0	0.10	0.03	0.00	0.7	NE
12/10/2024 07:04:00	15.6	15.3	0.0	0.10	0.00	0.00	0.9	ENE
12/10/2024 07:05:00	15.3	15.2	0.0	0.08	0.00	0.00	0.9	NNE
12/10/2024 07:06:00	14.8	15.0	0.3	0.07	0.00	0.00	0.9	NE
12/10/2024 07:07:00	14.2	14.8	0.6	0.06	0.00	0.00	0.8	NE
12/10/2024 07:08:00	13.8	14.7	0.8	0.05	0.00	0.00	0.8	ENE
12/10/2024 07:09:00	13.5	14.6	1.0	0.04	0.00	0.00	0.8	ENE
12/10/2024 07:10:00	13.3	14.4	1.1	0.04	0.00	0.00	0.8	NE
12/10/2024 07:11:00	13.0	14.2	1.2	0.04	0.00	0.00	0.8	NE
12/10/2024 07:12:00	12.9	13.9	1.1	0.03	0.00	0.00	0.9	N
12/10/2024 07:13:00	12.7	13.8	1.0	0.03	0.00	0.00	0.9	NE
12/10/2024 07:14:00	12.6	13.7	1.1	0.03	0.00	0.00	0.8	S
12/10/2024 07:15:00	12.4	13.6	1.1	0.03	0.00	0.00	0.8	NE
12/10/2024 07:16:00	12.5	13.4	0.9	0.03	0.00	0.00	0.8	NW
12/10/2024 07:17:00	12.4	13.3	0.8	0.02	0.00	0.00	0.8	N
12/10/2024 07:18:00	12.4	13.2	0.8	0.02	0.00	0.00	0.8	ENE
12/10/2024 07:19:00	12.4	13.2	0.8	0.02	0.00	0.00	0.7	E
12/10/2024 07:20:00	12.5	13.2	0.6	0.02	0.01	0.00	0.7	NNW
12/10/2024 07:21:00	12.6	13.1	0.5	0.02	0.01	0.00	0.7	NNW
12/10/2024 07:22:00	12.7	13.1	0.4	0.01	0.01	0.00	0.6	SW
12/10/2024 07:23:00	12.8	13.0	0.2	0.01	0.01	0.00	0.5	WSW
12/10/2024 07:24:00	12.8	13.0	0.1	0.01	0.01	0.00	0.5	NE
12/10/2024 07:25:00	12.8	12.9	0.0	0.01	0.01	0.00	0.5	NNE
12/10/2024 07:26:00	12.8	12.8	0.0	0.01	0.01	0.00	0.5	NE
12/10/2024 07:27:00	12.7	12.7	0.0	0.01	0.01	0.00	0.4	W
12/10/2024 07:28:00	12.7	12.6	0.0	0.01	0.01	0.00	0.4	WNW
12/10/2024 07:29:00	12.6	12.4	0.0	0.01	0.01	0.01	0.5	NW
12/10/2024 07:30:00	12.6	12.2	0.0	0.01	0.01	0.01	0.5	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 07:31:00	12.4	12.1	0.0	0.01	0.01	0.01	0.5	NE
12/10/2024 07:32:00	12.1	12.0	0.0	0.01	0.01	0.00	0.4	NNE
12/10/2024 07:33:00	12.0	11.7	0.0	0.01	0.01	0.01	0.4	W
12/10/2024 07:34:00	11.8	11.5	0.0	0.01	0.01	0.01	0.4	E
12/10/2024 07:35:00	11.6	11.3	0.0	0.01	0.01	0.01	0.4	N
12/10/2024 07:36:00	11.3	11.1	0.0	0.01	0.01	0.00	0.4	NNE
12/10/2024 07:37:00	11.2	10.9	0.0	0.01	0.01	0.00	0.3	SSW
12/10/2024 07:38:00	10.9	10.8	0.0	0.01	0.01	0.00	0.3	S
12/10/2024 07:39:00	10.8	10.6	0.0	0.01	0.01	0.00	0.3	SSW
12/10/2024 07:40:00	10.6	10.6	0.0	0.01	0.01	0.00	0.2	NNE
12/10/2024 07:41:00	10.4	10.6	0.2	0.01	0.01	0.00	0.1	SE
12/10/2024 07:42:00	10.1	10.6	0.5	0.01	0.01	0.00	0.1	E
12/10/2024 07:43:00	10.0	10.7	0.7	0.01	0.01	0.00	0.1	E
12/10/2024 07:44:00	9.7	10.7	1.0	0.01	0.01	0.00	0.2	ENE
12/10/2024 07:45:00	9.5	10.7	1.1	0.01	0.00	0.00	0.3	NNE
12/10/2024 07:46:00	9.4	10.5	1.1	0.01	0.00	0.00	0.3	NNE
12/10/2024 07:47:00	9.5	10.4	0.9	0.01	0.00	0.00	0.4	NE
12/10/2024 07:48:00	9.4	10.3	0.9	0.01	0.00	0.00	0.5	NE
12/10/2024 07:49:00	9.3	10.1	0.8	0.01	0.00	0.00	0.4	S
12/10/2024 07:50:00	9.1	10.1	1.0	0.01	0.00	0.00	0.4	NNE
12/10/2024 07:51:00	9.0	9.9	0.9	0.01	0.00	0.00	0.4	ENE
12/10/2024 07:52:00	8.8	10.0	1.1	0.01	0.00	0.00	0.5	NE
12/10/2024 07:53:00	8.8	9.7	0.9	0.01	0.00	0.00	0.6	N
12/10/2024 07:54:00	8.6	9.6	1.0	0.01	0.00	0.00	0.6	N
12/10/2024 07:55:00	8.6	9.4	0.9	0.01	0.00	0.00	0.7	NNE
12/10/2024 07:56:00	8.5	9.2	0.7	0.01	0.00	0.00	0.7	NE
12/10/2024 07:57:00	8.5	8.9	0.4	0.01	0.01	0.00	0.8	N
12/10/2024 07:58:00	8.4	8.7	0.2	0.01	0.01	0.00	0.7	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 07:59:00	8.4	8.5	0.1	0.01	0.01	0.00	0.7	WNW
12/10/2024 08:00:00	8.4	8.3	0.0	0.01	0.01	0.00	0.7	NE
12/10/2024 08:01:00	8.3	8.3	0.0	0.01	0.01	0.00	0.7	N
12/10/2024 08:02:00	8.1	8.2	0.1	0.01	0.01	0.00	0.7	NE
12/10/2024 08:03:00	7.9	8.1	0.2	0.01	0.01	0.00	0.7	NE
12/10/2024 08:04:00	7.8	8.0	0.2	0.01	0.01	0.00	0.8	NE
12/10/2024 08:05:00	7.7	7.9	0.2	0.01	0.01	0.00	0.8	ENE
12/10/2024 08:06:00	7.6	7.8	0.2	0.01	0.01	0.00	0.8	NNE
12/10/2024 08:07:00	7.5	7.6	0.1	0.01	0.01	0.00	0.8	NNE
12/10/2024 08:08:00	7.4	7.6	0.2	0.01	0.01	0.00	0.9	NNE
12/10/2024 08:09:00	7.3	7.6	0.3	0.01	0.00	0.00	0.9	NNE
12/10/2024 08:10:00	7.3	7.5	0.2	0.01	0.00	0.00	0.8	S
12/10/2024 08:11:00	7.2	7.5	0.3	0.01	0.00	0.00	0.8	NE
12/10/2024 08:12:00	7.1	7.5	0.4	0.01	0.00	0.00	0.8	NNE
12/10/2024 08:13:00	7.1	7.4	0.3	0.01	0.00	0.00	0.8	SSW
12/10/2024 08:14:00	7.0	7.2	0.2	0.01	0.00	0.00	0.9	NE
12/10/2024 08:15:00	7.0	7.2	0.2	0.01	0.00	0.00	0.9	NNE
12/10/2024 08:16:00	6.9	7.1	0.2	0.01	0.00	0.00	0.9	N
12/10/2024 08:17:00	6.8	7.0	0.2	0.02	0.00	0.00	0.8	ENE
12/10/2024 08:18:00	6.7	7.0	0.2	0.02	0.00	0.00	0.9	NE
12/10/2024 08:19:00	6.7	7.0	0.3	0.02	0.00	0.00	0.9	NE
12/10/2024 08:20:00	6.6	7.0	0.4	0.02	0.00	0.00	0.9	E
12/10/2024 08:21:00	6.6	6.9	0.3	0.02	0.00	0.00	0.9	N
12/10/2024 08:22:00	6.5	6.9	0.3	0.02	0.00	0.00	0.9	NE
12/10/2024 08:23:00	6.4	6.8	0.4	0.01	0.00	0.00	0.9	NE
12/10/2024 08:24:00	6.3	6.7	0.4	0.01	0.00	0.00	0.9	NE
12/10/2024 08:25:00	6.2	6.5	0.3	0.01	0.00	0.00	1.0	N
12/10/2024 08:26:00	6.1	6.4	0.3	0.01	0.00	0.00	0.9	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 08:27:00	5.9	6.2	0.3	0.01	0.00	0.00	0.9	NNE
12/10/2024 08:28:00	5.7	6.2	0.4	0.01	0.00	0.00	1.1	NNE
12/10/2024 08:29:00	5.6	6.1	0.5	0.01	0.00	0.00	1.1	NNE
12/10/2024 08:30:00	5.5	5.9	0.5	0.01	0.00	0.00	1.0	N
12/10/2024 08:31:00	5.4	5.8	0.4	0.01	0.00	0.00	0.9	SW
12/10/2024 08:32:00	5.3	5.8	0.4	0.01	0.00	0.00	1.0	NE
12/10/2024 08:33:00	5.2	5.7	0.5	0.01	0.00	0.00	0.9	NNE
12/10/2024 08:34:00	5.1	5.6	0.5	0.00	0.00	0.00	0.9	NNE
12/10/2024 08:35:00	5.0	5.4	0.4	0.01	0.00	0.00	0.9	NNE
12/10/2024 08:36:00	4.9	5.3	0.4	0.01	0.00	0.00	0.8	SSW
12/10/2024 08:37:00	4.9	5.3	0.4	0.01	0.00	0.00	0.8	NNE
12/10/2024 08:38:00	4.9	5.2	0.3	0.01	0.00	0.00	0.7	WSW
12/10/2024 08:39:00	4.9	5.2	0.3	0.01	0.00	0.00	0.7	ESE
12/10/2024 08:40:00	4.9	5.2	0.3	0.01	0.01	0.00	0.7	NNE
12/10/2024 08:41:00	5.0	5.3	0.3	0.01	0.01	0.00	0.7	NNE
12/10/2024 08:42:00	5.0	5.3	0.3	0.01	0.01	0.00	0.7	ENE
12/10/2024 08:43:00	5.1	5.3	0.2	0.01	0.01	0.00	0.6	NE
12/10/2024 08:44:00	5.2	5.4	0.2	0.01	0.01	0.00	0.6	NE
12/10/2024 08:45:00	5.2	5.5	0.2	0.01	0.01	0.00	0.7	ENE
12/10/2024 08:46:00	5.2	5.6	0.3	0.01	0.01	0.00	0.8	ENE
12/10/2024 08:47:00	5.3	5.6	0.3	0.01	0.01	0.00	0.8	NE
12/10/2024 08:48:00	5.3	5.6	0.3	0.01	0.01	0.00	0.9	NE
12/10/2024 08:49:00	5.4	5.8	0.3	0.01	0.01	0.00	0.9	NE
12/10/2024 08:50:00	5.5	5.9	0.4	0.01	0.01	0.00	0.9	ENE
12/10/2024 08:51:00	5.5	6.0	0.6	0.01	0.01	0.00	1.0	NNE
12/10/2024 08:52:00	5.6	6.1	0.5	0.01	0.01	0.00	1.0	NE
12/10/2024 08:53:00	5.6	6.2	0.6	0.01	0.01	0.00	1.1	ENE
12/10/2024 08:54:00	5.6	6.2	0.6	0.01	0.01	0.00	1.1	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 08:55:00	5.7	6.3	0.6	0.01	0.00	0.00	1.1	ENE
12/10/2024 08:56:00	5.7	6.3	0.6	0.01	0.00	0.00	1.1	NE
12/10/2024 08:57:00	5.7	6.3	0.6	0.01	0.00	0.00	1.0	WNW
12/10/2024 08:58:00	5.7	6.3	0.6	0.01	0.00	0.00	0.9	WNW
12/10/2024 08:59:00	5.7	6.3	0.6	0.01	0.00	0.00	0.9	N
12/10/2024 09:00:00	5.8	6.4	0.6	0.01	0.00	0.00	0.9	NE
12/10/2024 09:01:00	5.8	6.4	0.6	0.01	0.00	0.00	0.8	ENE
12/10/2024 09:02:00	5.8	6.4	0.5	0.01	0.00	0.00	0.8	NE
12/10/2024 09:03:00	5.8	6.3	0.5	0.01	0.00	0.00	0.7	E
12/10/2024 09:04:00	5.8	6.2	0.4	0.01	0.00	0.00	0.7	ENE
12/10/2024 09:05:00	5.9	6.1	0.3	0.01	0.00	0.00	0.7	NE
12/10/2024 09:06:00	5.9	6.0	0.1	0.01	0.00	0.00	0.7	ENE
12/10/2024 09:07:00	5.9	6.0	0.1	0.01	0.00	0.00	0.7	NNE
12/10/2024 09:08:00	6.0	6.0	0.1	0.01	0.00	0.00	0.6	NE
12/10/2024 09:09:00	6.0	6.1	0.1	0.01	0.00	0.00	0.5	SE
12/10/2024 09:10:00	6.1	6.1	0.0	0.01	0.00	0.00	0.5	NNE
12/10/2024 09:11:00	6.2	6.2	0.0	0.01	0.00	0.00	0.5	ENE
12/10/2024 09:12:00	6.3	6.2	0.0	0.01	0.00	0.00	0.6	ENE
12/10/2024 09:13:00	6.3	6.3	0.0	0.01	0.00	0.00	0.7	NE
12/10/2024 09:14:00	6.4	6.3	0.0	0.01	0.01	0.00	0.7	NE
12/10/2024 09:15:00	6.4	6.3	0.0	0.01	0.01	0.00	0.8	NNE
12/10/2024 09:16:00	6.5	6.4	0.0	0.01	0.01	0.00	0.8	ENE
12/10/2024 09:17:00	6.6	6.5	0.0	0.01	0.01	0.00	0.7	SSW
12/10/2024 09:18:00	6.7	6.5	0.0	0.01	0.01	0.00	0.7	ENE
12/10/2024 09:19:00	6.8	6.7	0.0	0.01	0.01	0.00	0.7	ENE
12/10/2024 09:20:00	6.8	6.8	0.0	0.01	0.01	0.00	0.7	E
12/10/2024 09:21:00	6.8	6.8	0.0	0.01	0.01	0.00	0.7	NNE
12/10/2024 09:22:00	6.9	6.8	0.0	0.01	0.01	0.00	0.6	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 09:23:00	6.9	6.8	0.0	0.01	0.01	0.00	0.7	NE
12/10/2024 09:24:00	6.9	6.9	0.0	0.01	0.01	0.00	0.8	ENE
12/10/2024 09:25:00	6.9	7.0	0.1	0.01	0.01	0.00	0.7	SE
12/10/2024 09:26:00	6.9	7.0	0.1	0.01	0.01	0.01	0.7	NE
12/10/2024 09:27:00	7.0	7.0	0.1	0.01	0.02	0.01	0.7	ESE
12/10/2024 09:28:00	7.0	7.1	0.1	0.01	0.02	0.01	0.6	W
12/10/2024 09:29:00	7.0	7.1	0.1	0.01	0.02	0.01	0.6	NNE
12/10/2024 09:30:00	7.0	7.1	0.1	0.01	0.02	0.00	0.6	NNE
12/10/2024 09:31:00	7.0	7.2	0.1	0.01	0.02	0.00	0.5	N
12/10/2024 09:32:00	7.1	7.2	0.1	0.01	0.02	0.00	0.6	NNW
12/10/2024 09:33:00	7.2	7.2	0.1	0.01	0.02	0.00	0.6	NE
12/10/2024 09:34:00	7.3	7.3	0.0	0.01	0.02	0.00	0.6	NE
12/10/2024 09:35:00	7.4	7.4	0.0	0.01	0.02	0.00	0.6	NE
12/10/2024 09:36:00	7.6	7.5	0.0	0.01	0.02	0.00	0.6	SE
12/10/2024 09:37:00	7.7	7.7	0.0	0.01	0.02	0.01	0.6	E
12/10/2024 09:38:00	7.9	7.8	0.0	0.01	0.02	0.01	0.6	E
12/10/2024 09:39:00	8.0	7.9	0.0	0.01	0.02	0.01	0.6	NE
12/10/2024 09:40:00	8.2	8.0	0.0	0.02	0.02	0.01	0.6	NNE
12/10/2024 09:41:00	8.4	8.1	0.0	0.02	0.02	0.00	0.6	NE
12/10/2024 09:42:00	8.5	8.3	0.0	0.02	0.02	0.00	0.6	NNW
12/10/2024 09:43:00	8.7	8.5	0.0	0.01	0.02	0.00	0.6	WSW
12/10/2024 09:44:00	8.9	8.7	0.0	0.01	0.02	0.00	0.4	SSW
12/10/2024 09:45:00	9.0	8.9	0.0	0.02	0.02	0.00	0.3	SW
12/10/2024 09:46:00	9.2	9.0	0.0	0.02	0.02	0.00	0.3	WSW
12/10/2024 09:47:00	9.3	9.2	0.0	0.02	0.02	0.00	0.2	WNW
12/10/2024 09:48:00	9.5	9.4	0.0	0.02	0.02	0.00	0.2	NE
12/10/2024 09:49:00	9.7	9.6	0.0	0.02	0.02	0.00	0.2	NNW
12/10/2024 09:50:00	9.8	9.7	0.0	0.02	0.02	0.00	0.1	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 09:51:00	9.9	9.9	0.0	0.02	0.02	0.00	0.1	NNW
12/10/2024 09:52:00	10.0	10.0	0.1	0.02	0.02	0.00	0.2	NNW
12/10/2024 09:53:00	10.1	10.2	0.1	0.02	0.02	0.00	0.2	NNE
12/10/2024 09:54:00	10.2	10.3	0.1	0.02	0.02	0.00	0.2	SSW
12/10/2024 09:55:00	10.3	10.4	0.1	0.02	0.02	0.00	0.3	SW
12/10/2024 09:56:00	10.4	10.5	0.1	0.02	0.02	0.00	0.4	SW
12/10/2024 09:57:00	10.4	10.6	0.1	0.02	0.02	0.00	0.4	SW
12/10/2024 09:58:00	10.5	10.6	0.1	0.02	0.02	0.00	0.4	SW
12/10/2024 09:59:00	10.5	10.7	0.1	0.02	0.02	0.00	0.4	SW
12/10/2024 10:00:00	10.6	10.7	0.1	0.02	0.02	0.00	0.3	NE
12/10/2024 10:01:00	10.7	10.8	0.1	0.03	0.02	0.00	0.3	SSW
12/10/2024 10:02:00	10.8	10.9	0.0	0.03	0.02	0.00	0.3	SW
12/10/2024 10:03:00	10.9	11.2	0.2	0.03	0.02	0.00	0.4	WSW
12/10/2024 10:04:00	11.0	11.6	0.7	0.03	0.02	0.00	0.4	WSW
12/10/2024 10:05:00	11.0	11.6	0.6	0.04	0.02	0.00	0.4	NNW
12/10/2024 10:06:00	11.0	11.6	0.6	0.04	0.02	0.00	0.4	SSE
12/10/2024 10:07:00	11.0	11.5	0.5	0.03	0.02	0.00	0.5	SSW
12/10/2024 10:08:00	10.9	11.4	0.5	0.03	0.02	0.00	0.6	SSW
12/10/2024 10:09:00	10.8	11.3	0.5	0.03	0.02	0.00	0.7	SW
12/10/2024 10:10:00	10.8	11.2	0.5	0.03	0.02	0.00	0.6	SW
12/10/2024 10:11:00	10.7	11.2	0.5	0.03	0.02	0.00	0.6	SW
12/10/2024 10:12:00	10.7	11.3	0.6	0.03	0.02	0.00	0.7	SW
12/10/2024 10:13:00	10.7	11.4	0.8	0.02	0.02	0.00	0.6	SW
12/10/2024 10:14:00	10.8	11.6	0.8	0.02	0.02	0.00	0.6	SW
12/10/2024 10:15:00	11.0	11.8	0.9	0.02	0.02	0.00	0.7	SSW
12/10/2024 10:16:00	11.1	12.2	1.1	0.01	0.02	0.00	0.7	WSW
12/10/2024 10:17:00	11.2	12.4	1.2	0.01	0.02	0.01	0.7	W
12/10/2024 10:18:00	11.3	12.8	1.4	0.01	0.02	0.01	0.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 10:19:00	22.4	12.6	0.0	0.00	0.01	0.01	0.7	S
12/10/2024 10:20:00	22.7	15.2	0.0	0.00	0.01	0.01	0.7	WNW
12/10/2024 10:21:00	23.1	17.5	0.0	0.00	0.01	0.01	0.7	W
12/10/2024 10:22:00	23.5	18.1	0.0	0.00	0.01	0.01	0.7	WSW
12/10/2024 10:23:00	23.9	18.6	0.0	0.00	0.01	0.01	0.6	W
12/10/2024 10:24:00	24.3	19.1	0.0	0.00	0.01	0.01	0.6	WSW
12/10/2024 10:25:00	24.7	19.6	0.0	0.00	0.01	0.01	0.6	SW
12/10/2024 10:26:00	25.2	20.1	0.0	0.00	0.01	0.01	0.6	W
12/10/2024 10:27:00	25.7	20.5	0.0	0.00	0.01	0.01	0.6	WSW
12/10/2024 10:28:00	26.2	20.9	0.0	0.00	0.01	0.01	0.6	NW
12/10/2024 10:29:00	26.5	21.2	0.0	0.00	0.01	0.01	0.6	SW
12/10/2024 10:30:00	26.8	21.5	0.0	0.00	0.01	0.01	0.6	SW
12/10/2024 10:31:00	27.1	21.6	0.0	0.00	0.01	0.01	0.6	W
12/10/2024 10:32:00	27.5	22.0	0.0	0.00	0.01	0.01	0.7	SW
12/10/2024 10:33:00	27.8	22.4	0.0	0.00	0.01	0.01	0.7	WSW
12/10/2024 10:34:00	17.3	22.7	5.4	0.00	0.01	0.01	0.6	NE
12/10/2024 10:35:00	17.5	20.7	3.1	0.00	0.01	0.01	0.6	ENE
12/10/2024 10:36:00	17.7	19.0	1.3	0.00	0.01	0.01	0.6	W
12/10/2024 10:37:00	17.9	19.0	1.1	0.00	0.01	0.01	0.6	NNW
12/10/2024 10:38:00	18.0	19.1	1.1	0.00	0.01	0.01	0.6	SW
12/10/2024 10:39:00	18.2	19.3	1.1	0.00	0.01	0.01	0.6	W
12/10/2024 10:40:00	18.4	19.4	1.0	0.00	0.01	0.01	0.6	SW
12/10/2024 10:41:00	18.4	19.5	1.1	0.00	0.01	0.01	0.6	SSW
12/10/2024 10:42:00	18.6	19.5	0.9	0.01	0.01	0.01	0.5	SSE
12/10/2024 10:43:00	18.7	19.6	0.9	0.01	0.01	0.01	0.6	SW
12/10/2024 10:44:00	18.8	19.7	0.9	0.01	0.01	0.01	0.6	WSW
12/10/2024 10:45:00	18.9	19.7	0.8	0.01	0.01	0.00	0.5	ENE
12/10/2024 10:46:00	18.9	19.8	0.9	0.01	0.01	0.00	0.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 10:47:00	18.9	19.7	0.8	0.01	0.01	0.00	0.4	WSW
12/10/2024 10:48:00	19.0	19.3	0.3	0.00	0.01	0.01	0.3	SSW
12/10/2024 10:49:00	18.9	19.3	0.4	0.00	0.01	0.01	0.4	WSW
12/10/2024 10:50:00	18.9	19.3	0.4	0.00	0.01	0.01	0.4	NNE
12/10/2024 10:51:00	19.0	19.3	0.3	0.01	0.01	0.00	0.4	N
12/10/2024 10:52:00	19.0	19.4	0.3	0.01	0.01	0.00	0.4	NW
12/10/2024 10:53:00	19.1	19.4	0.2	0.01	0.01	0.00	0.4	S
12/10/2024 10:54:00	19.3	19.4	0.1	0.01	0.01	0.00	0.3	NNE
12/10/2024 10:55:00	19.4	19.5	0.1	0.01	0.01	0.00	0.2	SW
12/10/2024 10:56:00	19.5	19.6	0.1	0.01	0.01	0.00	0.3	SW
12/10/2024 10:57:00	19.5	19.8	0.3	0.01	0.01	0.00	0.3	SW
12/10/2024 10:58:00	19.5	19.8	0.3	0.01	0.01	0.00	0.3	SW
12/10/2024 10:59:00	19.6	19.8	0.2	0.01	0.01	0.00	0.3	SW
12/10/2024 11:00:00	19.6	19.9	0.3	0.01	0.01	0.00	0.4	W
12/10/2024 11:01:00	19.8	20.1	0.3	0.01	0.01	0.00	0.5	SW
12/10/2024 11:02:00	19.8	20.1	0.3	0.01	0.01	0.00	0.6	SSW
12/10/2024 11:03:00	19.9	20.2	0.3	0.01	0.01	0.00	0.6	SW
12/10/2024 11:04:00	19.9	20.2	0.3	0.01	0.01	0.00	0.7	WSW
12/10/2024 11:05:00	19.8	20.3	0.5	0.01	0.01	0.00	0.8	SW
12/10/2024 11:06:00	19.9	20.3	0.5	0.01	0.01	0.00	0.8	SW
12/10/2024 11:07:00	19.8	20.3	0.5	0.01	0.01	0.00	0.9	W
12/10/2024 11:08:00	19.6	20.4	0.7	0.00	0.01	0.00	0.9	SW
12/10/2024 11:09:00	19.5	20.3	0.8	0.00	0.01	0.01	1.0	SW
12/10/2024 11:10:00	19.4	20.3	0.9	0.00	0.01	0.01	1.0	SW
12/10/2024 11:11:00	19.4	20.1	0.7	0.00	0.01	0.01	1.0	SW
12/10/2024 11:12:00	19.4	19.9	0.6	0.00	0.01	0.01	1.0	W
12/10/2024 11:13:00	19.2	19.7	0.5	0.00	0.01	0.01	1.0	SW
12/10/2024 11:14:00	19.0	19.4	0.5	0.00	0.01	0.01	0.9	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 11:15:00	18.8	19.2	0.4	0.00	0.01	0.01	0.9	WSW
12/10/2024 11:16:00	18.7	18.9	0.3	0.00	0.01	0.01	0.9	SW
12/10/2024 11:17:00	18.5	18.6	0.1	0.00	0.01	0.01	0.9	WSW
12/10/2024 11:18:00	18.3	18.4	0.1	0.00	0.01	0.01	0.8	NNE
12/10/2024 11:19:00	18.0	18.1	0.1	0.00	0.01	0.01	0.8	SW
12/10/2024 11:20:00	17.7	17.8	0.1	0.00	0.01	0.01	0.8	SW
12/10/2024 11:21:00	17.4	17.5	0.1	0.00	0.01	0.01	0.7	SSW
12/10/2024 11:22:00	17.2	17.1	0.0	0.00	0.01	0.01	0.6	NE
12/10/2024 11:23:00	17.0	16.7	0.0	0.00	0.01	0.01	0.5	NE
12/10/2024 11:24:00	16.7	16.3	0.0	0.00	0.01	0.01	0.4	ENE
12/10/2024 11:25:00	16.4	15.9	0.0	0.00	0.01	0.00	0.3	NNW
12/10/2024 11:26:00	16.1	15.7	0.0	0.00	0.01	0.00	0.2	SW
12/10/2024 11:27:00	15.7	15.4	0.0	0.00	0.01	0.00	0.2	E
12/10/2024 11:28:00	15.7	15.3	0.0	0.00	0.01	0.00	0.2	SSW
12/10/2024 11:29:00	15.6	15.1	0.0	0.00	0.01	0.00	0.2	WSW
12/10/2024 11:30:00	15.4	14.9	0.0	0.01	0.01	0.00	0.1	NNE
12/10/2024 11:31:00	15.1	14.8	0.0	0.01	0.01	0.00	0.1	SSW
12/10/2024 11:32:00	14.7	14.6	0.0	0.01	0.01	0.00	0.1	WSW
12/10/2024 11:33:00	14.5	14.4	0.0	0.01	0.01	0.00	0.2	WSW
12/10/2024 11:34:00	14.4	14.2	0.0	0.01	0.01	0.00	0.2	WSW
12/10/2024 11:35:00	14.3	14.1	0.0	0.01	0.01	0.00	0.2	W
12/10/2024 11:36:00	14.1	13.9	0.0	0.01	0.01	0.00	0.2	SW
12/10/2024 11:37:00	13.9	13.9	0.0	0.00	0.01	0.00	0.3	SW
12/10/2024 11:38:00	13.7	13.9	0.2	0.00	0.01	0.00	0.5	SW
12/10/2024 11:39:00	13.6	13.9	0.3	0.00	0.01	0.00	0.6	SW
12/10/2024 11:40:00	13.5	13.9	0.3	0.00	0.01	0.00	0.6	WSW
12/10/2024 11:41:00	13.5	13.8	0.3	0.00	0.01	0.00	0.7	SW
12/10/2024 11:42:00	13.5	13.7	0.2	0.00	0.01	0.00	0.8	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 11:43:00	13.5	13.7	0.1	0.00	0.01	0.00	0.8	WSW
12/10/2024 11:44:00	13.5	13.6	0.1	0.00	0.01	0.00	0.8	SW
12/10/2024 11:45:00	13.4	13.6	0.1	0.00	0.01	0.01	0.9	SW
12/10/2024 11:46:00	13.4	13.5	0.1	0.00	0.00	0.00	0.9	WSW
12/10/2024 11:47:00	13.5	13.4	0.0	0.00	0.00	0.00	0.8	NNW
12/10/2024 11:48:00	13.7	13.4	0.0	0.00	0.00	0.00	0.9	SSW
12/10/2024 11:49:00	14.0	13.4	0.0	0.00	0.00	0.00	0.8	WSW
12/10/2024 11:50:00	14.3	13.4	0.0	0.00	0.00	0.00	0.8	SSW
12/10/2024 11:51:00	14.3	13.6	0.0	0.00	0.00	0.00	0.8	WNW
12/10/2024 11:52:00	14.6	13.6	0.0	0.00	0.00	0.00	0.6	ENE
12/10/2024 11:53:00	14.9	13.8	0.0	0.00	0.00	0.00	0.6	SW
12/10/2024 11:54:00	15.0	14.0	0.0	0.00	0.00	0.00	0.6	SSW
12/10/2024 11:55:00	15.0	14.2	0.0	0.00	0.00	0.00	0.6	SW
12/10/2024 11:56:00	15.1	14.2	0.0	0.00	0.00	0.00	0.5	NE
12/10/2024 11:57:00	15.1	14.1	0.0	0.00	0.00	0.00	0.4	NE
12/10/2024 11:58:00	14.8	14.2	0.0	0.00	0.00	0.00	0.3	NE
12/10/2024 11:59:00	14.7	14.3	0.0	0.00	0.00	0.00	0.2	ENE
12/10/2024 12:00:00	14.7	14.3	0.0	0.01	0.00	0.00	0.2	SW
12/10/2024 12:01:00	14.8	14.5	0.0	0.01	0.00	0.00	0.1	W
12/10/2024 12:02:00	14.8	14.7	0.0	0.01	0.01	0.00	0.1	NW
12/10/2024 12:03:00	14.6	14.8	0.3	0.01	0.01	0.01	0.2	WSW
12/10/2024 12:04:00	14.3	14.8	0.4	0.01	0.01	0.00	0.1	NE
12/10/2024 12:05:00	14.1	14.8	0.7	0.01	0.01	0.01	0.1	WSW
12/10/2024 12:06:00	14.0	14.7	0.7	0.01	0.01	0.01	0.1	SW
12/10/2024 12:07:00	13.8	14.7	0.9	0.01	0.01	0.01	0.2	NNW
12/10/2024 12:08:00	13.6	14.6	1.0	0.01	0.01	0.01	0.2	SW
12/10/2024 12:09:00	13.5	14.3	0.8	0.01	0.01	0.01	0.2	WSW
12/10/2024 12:10:00	13.5	14.2	0.6	0.01	0.01	0.01	0.3	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 12:11:00	13.5	14.2	0.8	0.01	0.01	0.01	0.3	SW
12/10/2024 12:12:00	13.4	14.3	0.8	0.01	0.01	0.01	0.4	WSW
12/10/2024 12:13:00	13.5	14.3	0.8	0.01	0.01	0.01	0.4	WSW
12/10/2024 12:14:00	13.7	14.2	0.5	0.00	0.01	0.01	0.5	SW
12/10/2024 12:15:00	13.7	14.2	0.6	0.00	0.01	0.01	0.5	SW
12/10/2024 12:16:00	13.8	14.2	0.5	0.00	0.01	0.01	0.5	SW
12/10/2024 12:17:00	13.8	14.1	0.3	0.00	0.01	0.01	0.5	SW
12/10/2024 12:18:00	13.9	14.1	0.2	0.00	0.01	0.00	0.6	SW
12/10/2024 12:19:00	13.9	14.2	0.3	0.00	0.01	0.01	0.7	WSW
12/10/2024 12:20:00	14.0	14.3	0.3	0.00	0.01	0.01	0.6	NW
12/10/2024 12:21:00	14.2	14.3	0.2	0.00	0.01	0.01	0.6	WSW
12/10/2024 12:22:00	14.3	14.4	0.1	0.00	0.01	0.01	0.6	NNE
12/10/2024 12:23:00	14.4	14.4	0.0	0.00	0.01	0.00	0.5	NNE
12/10/2024 12:24:00	14.5	14.4	0.0	0.00	0.00	0.00	0.4	N
12/10/2024 12:25:00	14.5	14.5	0.0	0.00	0.00	0.00	0.4	NE
12/10/2024 12:26:00	14.6	14.6	0.0	0.00	0.00	0.00	0.3	NE
12/10/2024 12:27:00	14.8	14.7	0.0	0.00	0.00	0.00	0.2	NE
12/10/2024 12:28:00	14.9	14.8	0.0	0.01	0.00	0.00	0.1	NE
12/10/2024 12:29:00	14.8	14.9	0.1	0.01	0.00	0.00	0.2	NE
12/10/2024 12:30:00	14.9	14.9	0.0	0.01	0.00	0.00	0.4	NE
12/10/2024 12:31:00	15.0	15.0	0.0	0.01	0.00	0.00	0.5	NNE
12/10/2024 12:32:00	15.1	15.0	0.0	0.01	0.00	0.00	0.6	NE
12/10/2024 12:33:00	15.3	15.1	0.0	0.01	0.00	0.00	0.8	NE
12/10/2024 12:34:00	15.4	15.2	0.0	0.01	0.00	0.00	1.0	ENE
12/10/2024 12:35:00	15.5	15.2	0.0	0.01	0.00	0.00	1.0	NNE
12/10/2024 12:36:00	15.6	15.3	0.0	0.01	0.00	0.00	1.2	NNE
12/10/2024 12:37:00	15.7	15.3	0.0	0.01	0.00	0.00	1.2	ENE
12/10/2024 12:38:00	15.7	15.3	0.0	0.01	0.00	0.00	1.2	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 12:39:00	15.7	15.3	0.0	0.01	0.00	0.00	1.2	NE
12/10/2024 12:40:00	15.7	15.3	0.0	0.01	0.00	0.00	1.3	NNE
12/10/2024 12:41:00	15.8	15.3	0.0	0.01	0.00	0.00	1.4	NE
12/10/2024 12:42:00	15.7	15.5	0.0	0.01	0.00	0.00	1.4	NE
12/10/2024 12:43:00	15.7	15.7	0.0	0.01	0.00	0.00	1.4	ENE
12/10/2024 12:44:00	15.6	15.8	0.2	0.01	0.00	0.00	1.4	NNE
12/10/2024 12:45:00	15.4	15.8	0.4	0.01	0.00	0.00	1.4	NE
12/10/2024 12:46:00	15.3	15.7	0.4	0.01	0.00	0.00	1.4	NE
12/10/2024 12:47:00	15.2	15.6	0.4	0.01	0.00	0.00	1.4	NE
12/10/2024 12:48:00	15.1	15.5	0.4	0.01	0.00	0.00	1.3	NNE
12/10/2024 12:49:00	15.0	15.5	0.5	0.01	0.00	0.00	1.2	SSW
12/10/2024 12:50:00	15.0	15.5	0.5	0.01	0.00	0.00	1.1	NE
12/10/2024 12:51:00	14.9	15.5	0.6	0.01	0.00	0.00	1.1	E
12/10/2024 12:52:00	14.9	15.6	0.7	0.01	0.00	0.00	1.1	NE
12/10/2024 12:53:00	14.9	15.7	0.7	0.01	0.00	0.00	1.1	NE
12/10/2024 12:54:00	15.0	15.7	0.7	0.01	0.00	0.00	1.1	NE
12/10/2024 12:55:00	15.1	15.8	0.7	0.01	0.00	0.00	1.1	NE
12/10/2024 12:56:00	15.1	15.8	0.7	0.01	0.00	0.00	1.0	NE
12/10/2024 12:57:00	15.1	15.6	0.5	0.01	0.00	0.00	1.0	NE
12/10/2024 12:58:00	15.1	15.3	0.2	0.01	0.00	0.00	1.0	NE
12/10/2024 12:59:00	15.2	15.2	0.0	0.01	0.00	0.00	1.0	NE
12/10/2024 13:00:00	15.4	15.2	0.0	0.01	0.00	0.00	1.0	NNE
12/10/2024 13:01:00	15.5	15.3	0.0	0.01	0.00	0.00	1.0	ENE
12/10/2024 13:02:00	15.6	15.5	0.0	0.01	0.00	0.00	0.9	E
12/10/2024 13:03:00	15.7	15.7	0.0	0.01	0.00	0.00	1.0	NE
12/10/2024 13:04:00	15.7	15.7	0.0	0.01	0.00	0.00	1.1	ENE
12/10/2024 13:05:00	15.7	15.7	0.0	0.01	0.00	0.00	1.2	ENE
12/10/2024 13:06:00	15.6	15.6	0.0	0.01	0.00	0.00	1.2	ENE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 13:07:00	15.5	15.4	0.0	0.01	0.00	0.00	1.2	NE
12/10/2024 13:08:00	15.3	15.3	0.0	0.01	0.00	0.00	1.2	ENE
12/10/2024 13:09:00	15.0	15.1	0.1	0.01	0.00	0.00	1.2	NE
12/10/2024 13:10:00	14.9	14.9	0.0	0.01	0.00	0.00	1.2	ENE
12/10/2024 13:11:00	14.8	14.7	0.0	0.01	0.00	0.00	1.2	ENE
12/10/2024 13:12:00	14.7	14.7	0.0	0.01	0.00	0.00	1.2	NE
12/10/2024 13:13:00	14.6	14.6	0.0	0.01	0.00	0.00	1.2	NE
12/10/2024 13:14:00	14.4	14.5	0.1	0.02	0.00	0.00	1.2	NE
12/10/2024 13:15:00	14.3	14.4	0.1	0.02	0.00	0.00	1.2	NE
12/10/2024 13:16:00	14.1	14.2	0.1	0.02	0.00	0.00	1.2	NE
12/10/2024 13:17:00	13.9	13.8	0.0	0.02	0.00	0.00	1.2	NE
12/10/2024 13:18:00	13.6	13.5	0.0	0.02	0.00	0.00	1.2	NE
12/10/2024 13:19:00	13.3	13.1	0.0	0.02	0.00	0.00	1.2	ENE
12/10/2024 13:20:00	13.1	12.8	0.0	0.02	0.00	0.00	1.1	ENE
12/10/2024 13:21:00	13.0	12.5	0.0	0.02	0.00	0.00	1.1	NE
12/10/2024 13:22:00	12.8	12.3	0.0	0.02	0.00	0.00	1.1	ENE
12/10/2024 13:23:00	12.7	12.1	0.0	0.02	0.00	0.00	1.1	NNE
12/10/2024 13:24:00	12.6	11.9	0.0	0.02	0.00	0.00	1.0	E
12/10/2024 13:25:00	12.3	11.7	0.0	0.02	0.00	0.00	1.1	NE
12/10/2024 13:26:00	12.1	11.4	0.0	0.02	0.00	0.00	1.1	NE
12/10/2024 13:27:00	11.7	11.1	0.0	0.02	0.00	0.00	1.1	ENE
12/10/2024 13:28:00	11.4	10.7	0.0	0.02	0.00	0.00	1.1	E
12/10/2024 13:29:00	11.1	10.3	0.0	0.01	0.00	0.00	1.1	NE
12/10/2024 13:30:00	10.8	9.9	0.0	0.01	0.00	0.00	1.1	NE
12/10/2024 13:31:00	10.6	9.6	0.0	0.01	0.00	0.00	1.1	NE
12/10/2024 13:32:00	10.2	9.2	0.0	0.01	0.00	0.00	1.1	NNE
12/10/2024 13:33:00	9.9	9.0	0.0	0.01	0.00	0.00	1.1	N
12/10/2024 13:34:00	9.6	8.9	0.0	0.01	0.00	0.00	1.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/10/2024 13:35:00	9.2	8.7	0.0	0.01	0.00	0.00	0.9	WNW
12/10/2024 13:36:00	9.0	8.5	0.0	0.01	0.00	0.00	0.9	N

DAILY FIELD REPORT 165

Prepared By: LANGAN

WEATHER	Snow		Rain	X	Overcast	X	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 11, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of 3- to 5-inch rip rap from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon exported creosote-treated timbers using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.
- Trevcon demolished concrete in the southeastern part of ABC Block 25 to construct waterfront structures.
- Trevcon constructed and filled gabion baskets with previously imported 3- to 5-inch rip rap in the south-central part of ABC Block 25.
    - The constructed gabion baskets were installed on top of geotextile fabric to construct waterfront structures in the south-central part of ABC Block 25.
- During low tide, Langan noticed an area along the Block 26 shoreline where a petroleum-like sheen accumulated. No local turbidity curtain or absorbent booms were present in this area at the time of the observation as work was previously completed. The sheen was not observed to the west of the trans-basin turbidity curtain. Although, the exact origin of the sheen is unknown at this time. Trevcon was instructed to control the sheen by replacing previously installed absorbent booms along the trans-turbidity as expeditiously as possible to absorb the petroleum-like sheen as well as contain the sheen inside the bounds of the work area. The sheen appears to have been absorbed following the replacement of the booms.
- Trevcon backfilled an about 10-foot-long by 15-foot-wide area with 3- to 5-inch rip rap stone on top of geotextile fabric to construct waterfront structures in the south-central part of ABC Block 25.
- Trevcon backfilled an about 6-foot-long by 15-foot-wide area with 12- to 24-foot revetment stone on top of 3- to 5-inch rip rap to construct waterfront structures in the south-central part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of 3- to 5-inch rip rap from Stavola Construction Materials, Inc. of Bridgewater, NJ.
- Trevcon exported creosote-treated timbers using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**83**
	Quantity (CY)	0	**1640**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**7**
		Quantity (CY)	0	**140**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	1	**34**
		Quantity (CY)	20	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were taken today.

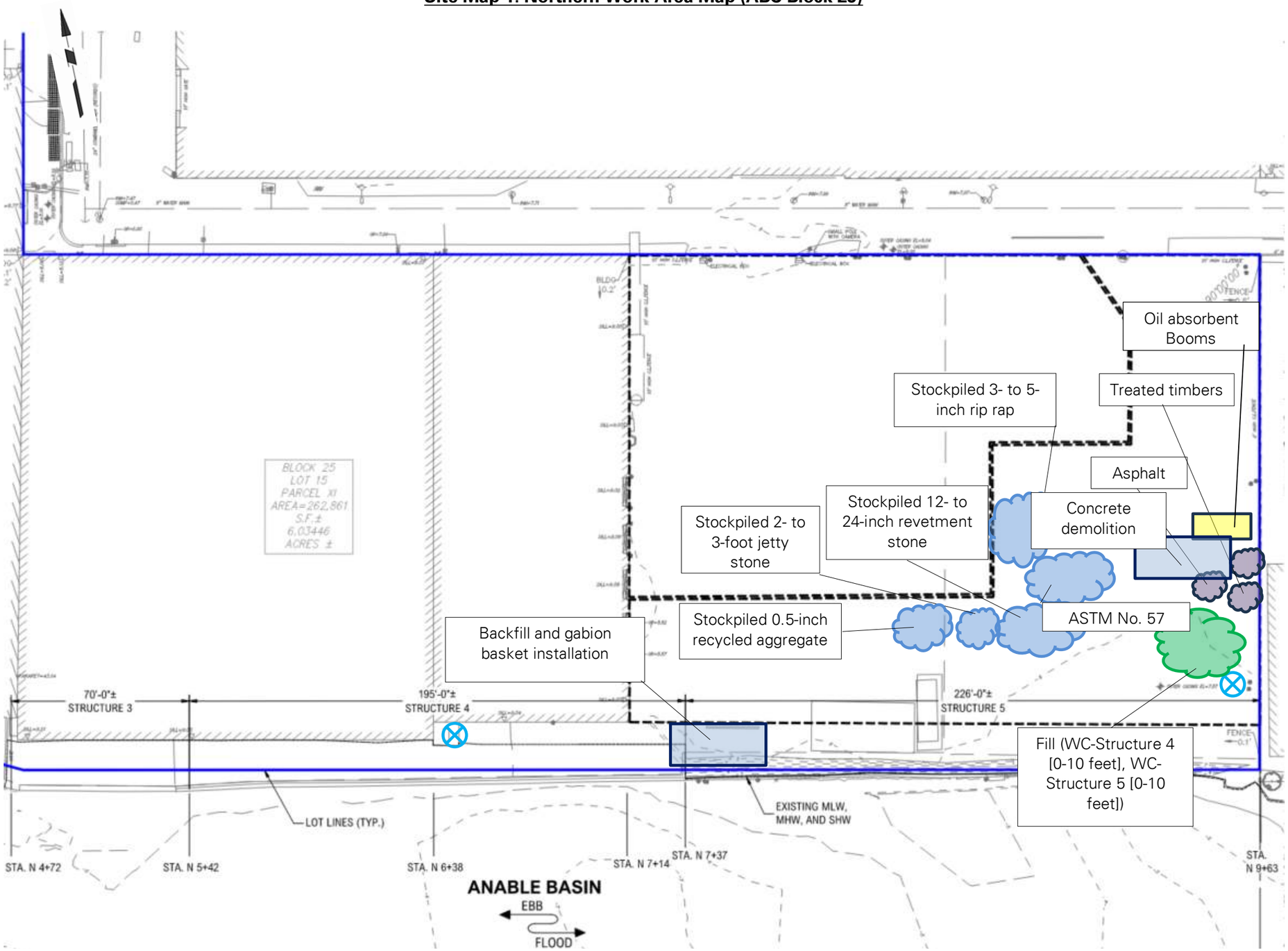
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.
- CAMP was not implemented from 6:00 AM – 9:30 AM and 12:14 PM – 1:00 PM because of sustained moderate precipitation.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

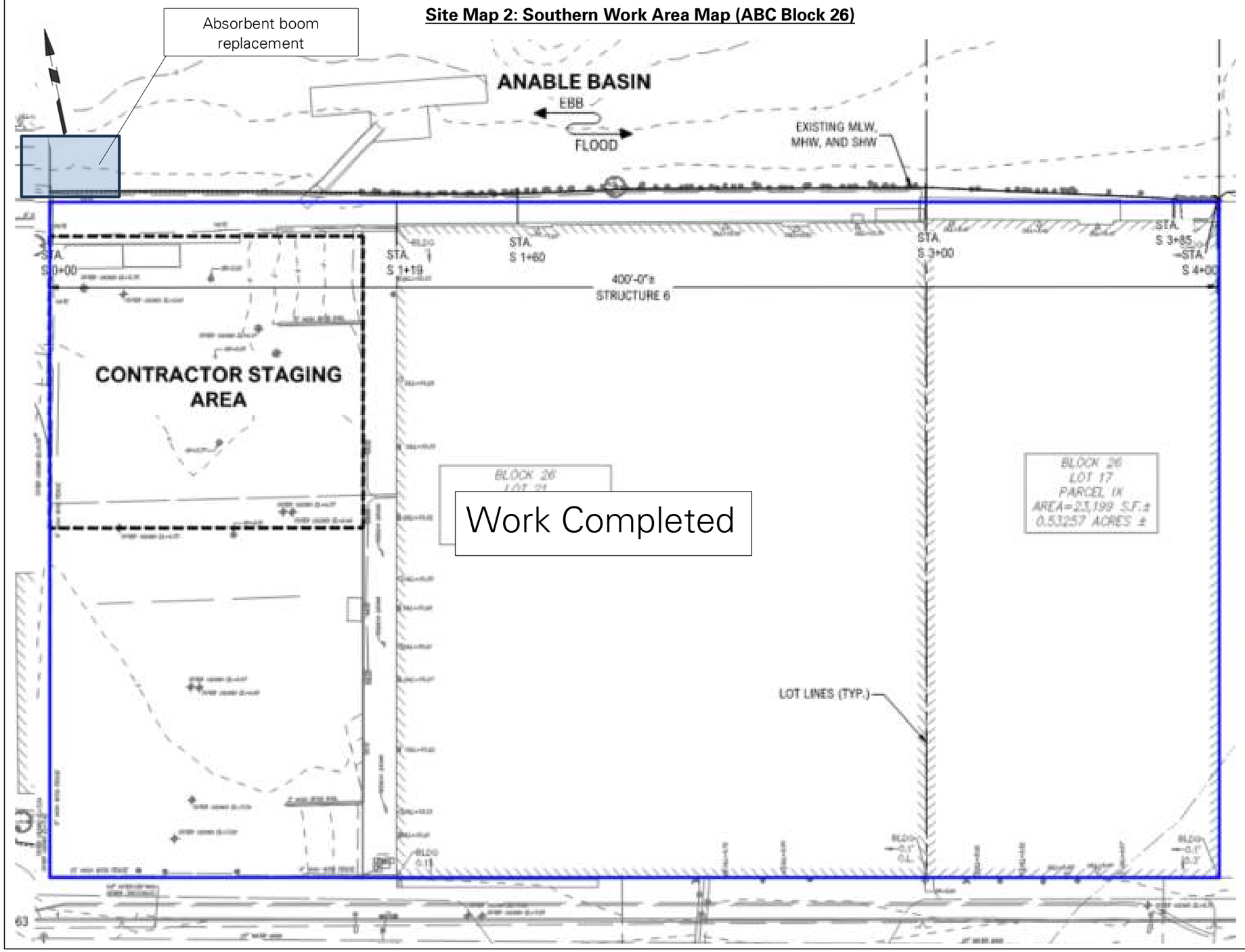


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.11 - Anable Basin Bulkhead Stabilization - Day 16565

Site Map 2: Southern Work Area Map (ABC Block 26)

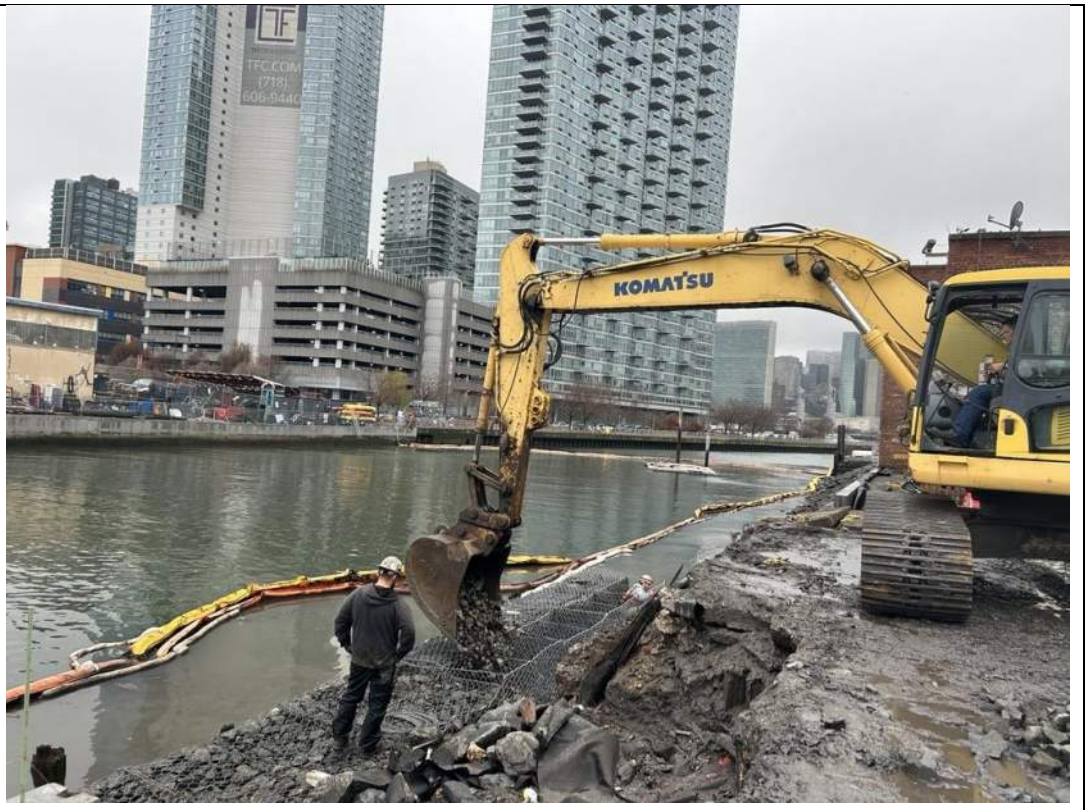


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.11 - Anable Basin Bulkhead Stabilization - Day 16565

Photo Log

Photo 1: Trevcon filling gabion baskets with 3- to 5-inch rip rap in the south-central part of Block 25 (facing southwest).	
Photo 2: Trevcon importing 3- to 5-inch rip rap in the northern part of ABC Block 25 (facing southeast).	

File Name: 2024.12.11 - Anable Basin Bulkhead Stabilization - Day 16565

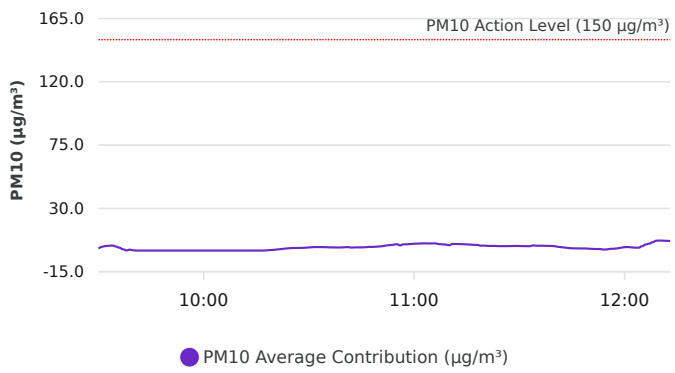
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/11/2024 04:00
		To:	12/11/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/11/2024	0.5-5	SW

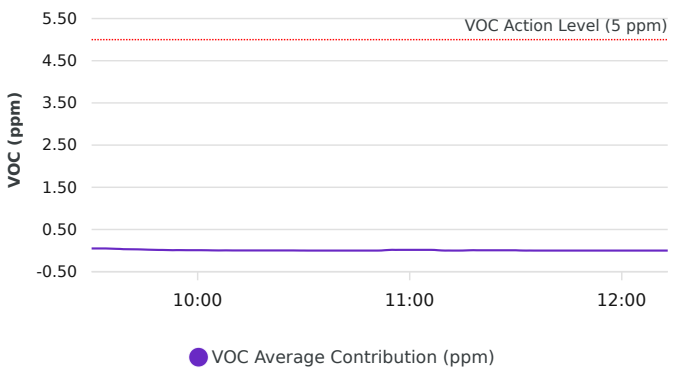
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/11/2024	0.0	09:41	0.00	10:31
Max Contribution (15 min avg.) - 12/11/2024	7.1	12:10	0.05	09:30



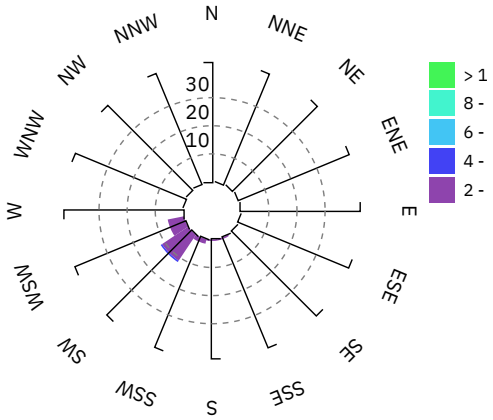
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 09:28:00							0.8	N
12/11/2024 09:29:00							0.3	SE
12/11/2024 09:30:00	14.3	16.0	1.7	0.00	0.05	0.05	0.3	WNW
12/11/2024 09:31:00	13.3	16.0	2.7	0.00	0.05	0.05	0.4	WSW
12/11/2024 09:32:00	12.8	16.0	3.2	0.00	0.05	0.05	0.5	WSW
12/11/2024 09:33:00	12.6	16.0	3.5	0.00	0.05	0.05	0.5	W
12/11/2024 09:34:00	12.4	16.0	3.6	0.00	0.05	0.05	0.6	WSW
12/11/2024 09:35:00	12.3	15.2	2.9	0.00	0.05	0.05	0.7	WSW
12/11/2024 09:36:00	12.3	14.3	2.0	0.00	0.04	0.04	0.7	W
12/11/2024 09:37:00	12.7	13.6	0.9	0.00	0.04	0.04	0.7	WNW
12/11/2024 09:38:00	12.9	13.1	0.1	0.00	0.04	0.04	0.8	WSW
12/11/2024 09:39:00	12.5	13.2	0.7	0.00	0.04	0.03	0.6	NNE
12/11/2024 09:40:00	12.6	12.7	0.2	0.00	0.03	0.03	0.7	WNW
12/11/2024 09:41:00	12.5	12.4	0.0	0.00	0.03	0.03	0.7	WNW
12/11/2024 09:42:00	12.3	12.0	0.0	0.00	0.03	0.03	0.7	SW
12/11/2024 09:43:00	12.2	11.7	0.0	0.00	0.03	0.03	0.8	SW
12/11/2024 09:44:00	12.0	11.4	0.0	0.00	0.03	0.03	0.9	SW
12/11/2024 09:45:00	11.7	10.8	0.0	0.00	0.03	0.02	0.9	SW
12/11/2024 09:46:00	11.4	10.3	0.0	0.00	0.02	0.02	0.9	SSW
12/11/2024 09:47:00	11.2	9.7	0.0	0.00	0.02	0.02	0.8	WSW
12/11/2024 09:48:00	10.9	9.2	0.0	0.00	0.02	0.02	0.8	W
12/11/2024 09:49:00	10.6	8.6	0.0	0.00	0.02	0.01	0.8	NNW
12/11/2024 09:50:00	10.3	8.3	0.0	0.00	0.02	0.01	0.7	SSW
12/11/2024 09:51:00	10.1	8.1	0.0	0.00	0.02	0.01	0.7	W
12/11/2024 09:52:00	9.5	8.0	0.0	0.00	0.01	0.01	0.7	NNE
12/11/2024 09:53:00	8.9	7.9	0.0	0.00	0.01	0.01	0.5	NE
12/11/2024 09:54:00	8.8	7.3	0.0	0.00	0.01	0.01	0.6	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 09:55:00	8.4	7.2	0.0	0.00	0.01	0.01	0.6	SW
12/11/2024 09:56:00	8.0	7.0	0.0	0.00	0.01	0.01	0.6	SSW
12/11/2024 09:57:00	7.8	6.9	0.0	0.00	0.01	0.01	0.5	N
12/11/2024 09:58:00	7.6	6.8	0.0	0.00	0.01	0.01	0.5	SW
12/11/2024 09:59:00	7.3	6.8	0.0	0.00	0.01	0.01	0.5	WSW
12/11/2024 10:00:00	7.2	6.7	0.0	0.00	0.01	0.01	0.5	W
12/11/2024 10:01:00	7.0	6.5	0.0	0.00	0.01	0.01	0.5	W
12/11/2024 10:02:00	6.9	6.4	0.0	0.00	0.01	0.01	0.5	N
12/11/2024 10:03:00	6.8	6.3	0.0	0.00	0.01	0.01	0.5	SW
12/11/2024 10:04:00	6.7	6.2	0.0	0.00	0.01	0.01	0.6	WSW
12/11/2024 10:05:00	6.6	6.2	0.0	0.00	0.01	0.00	0.5	SE
12/11/2024 10:06:00	6.5	6.2	0.0	0.00	0.01	0.00	0.5	WNW
12/11/2024 10:07:00	6.5	6.1	0.0	0.00	0.01	0.00	0.6	WSW
12/11/2024 10:08:00	6.5	6.0	0.0	0.00	0.01	0.01	0.7	W
12/11/2024 10:09:00	6.4	5.9	0.0	0.00	0.00	0.00	0.7	WSW
12/11/2024 10:10:00	6.4	5.9	0.0	0.00	0.00	0.00	0.8	SW
12/11/2024 10:11:00	6.3	5.9	0.0	0.00	0.00	0.00	0.8	SSW
12/11/2024 10:12:00	6.3	6.0	0.0	0.00	0.00	0.00	1.0	SW
12/11/2024 10:13:00	6.2	6.0	0.0	0.00	0.00	0.00	1.0	SSW
12/11/2024 10:14:00	6.2	6.0	0.0	0.00	0.00	0.00	1.0	WSW
12/11/2024 10:15:00	6.1	6.0	0.0	0.00	0.00	0.00	1.0	WNW
12/11/2024 10:16:00	6.1	6.0	0.0	0.00	0.00	0.00	1.0	SW
12/11/2024 10:17:00	6.0	6.0	0.0	0.00	0.00	0.00	1.1	SSW
12/11/2024 10:18:00	5.9	6.1	0.2	0.00	0.00	0.00	1.1	WSW
12/11/2024 10:19:00	5.8	6.2	0.4	0.00	0.00	0.00	1.1	WSW
12/11/2024 10:20:00	5.8	6.3	0.5	0.00	0.00	0.00	1.3	SW
12/11/2024 10:21:00	5.7	6.5	0.8	0.00	0.00	0.00	1.4	WSW
12/11/2024 10:22:00	5.5	6.5	1.1	0.00	0.00	0.00	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 10:23:00	5.3	6.7	1.4	0.00	0.00	0.00	1.4	SW
12/11/2024 10:24:00	5.2	6.8	1.6	0.00	0.00	0.00	1.5	SW
12/11/2024 10:25:00	5.0	6.8	1.8	0.00	0.00	0.00	1.4	SW
12/11/2024 10:26:00	4.9	6.7	1.8	0.00	0.00	0.00	1.4	WSW
12/11/2024 10:27:00	4.7	6.6	1.9	0.00	0.00	0.00	1.3	WSW
12/11/2024 10:28:00	4.6	6.5	1.9	0.00	0.00	0.00	1.3	W
12/11/2024 10:29:00	4.5	6.5	2.0	0.00	0.00	0.00	1.4	WSW
12/11/2024 10:30:00	4.3	6.6	2.2	0.00	0.00	0.00	1.6	SW
12/11/2024 10:31:00	4.2	6.6	2.4	0.00	0.00	0.00	1.7	SW
12/11/2024 10:32:00	4.1	6.6	2.5	0.00	0.00	0.00	1.7	SW
12/11/2024 10:33:00	4.0	6.5	2.5	0.00	0.00	0.00	1.7	WSW
12/11/2024 10:34:00	3.9	6.3	2.5	0.00	0.00	0.00	1.8	SW
12/11/2024 10:35:00	3.8	6.2	2.4	0.00	0.00	0.00	1.8	SW
12/11/2024 10:36:00	3.7	6.0	2.3	0.00	0.00	0.00	1.7	SW
12/11/2024 10:37:00	3.7	5.9	2.2	0.00	0.00	0.00	1.8	WSW
12/11/2024 10:38:00	3.6	5.8	2.2	0.00	0.00	0.00	1.8	SW
12/11/2024 10:39:00	3.6	5.8	2.2	0.00	0.00	0.00	1.8	SW
12/11/2024 10:40:00	3.6	5.9	2.3	0.00	0.00	0.00	1.7	SW
12/11/2024 10:41:00	3.6	6.1	2.5	0.00	0.00	0.00	1.8	WSW
12/11/2024 10:42:00	3.8	6.0	2.1	0.00	0.00	0.00	1.6	SE
12/11/2024 10:43:00	3.8	6.0	2.3	0.00	0.00	0.00	1.7	SSW
12/11/2024 10:44:00	3.7	6.0	2.3	0.00	0.00	0.00	1.7	SW
12/11/2024 10:45:00	3.7	6.0	2.3	0.00	0.00	0.00	1.5	SW
12/11/2024 10:46:00	3.6	6.0	2.4	0.00	0.00	0.00	1.5	SW
12/11/2024 10:47:00	3.6	6.2	2.6	0.00	0.00	0.00	1.5	WSW
12/11/2024 10:48:00	3.6	6.2	2.6	0.00	0.00	0.00	1.5	SW
12/11/2024 10:49:00	3.6	6.3	2.7	0.00	0.00	0.00	1.3	W
12/11/2024 10:50:00	3.6	6.5	2.9	0.00	0.00	0.00	1.3	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 10:51:00	3.6	6.7	3.1	0.00	0.00	0.00	1.4	WSW
12/11/2024 10:52:00	3.6	7.2	3.6	0.00	0.00	0.00	1.3	SSW
12/11/2024 10:53:00	3.6	7.4	3.9	0.00	0.01	0.01	1.4	WSW
12/11/2024 10:54:00	3.6	7.7	4.1	0.00	0.01	0.01	1.3	SW
12/11/2024 10:55:00	3.5	8.1	4.6	0.00	0.02	0.02	1.3	SSW
12/11/2024 10:56:00	4.1	7.8	3.7	0.00	0.02	0.02	1.3	S
12/11/2024 10:57:00	3.9	8.3	4.4	0.00	0.02	0.02	1.3	SSW
12/11/2024 10:58:00	3.9	8.3	4.5	0.00	0.02	0.02	1.3	WSW
12/11/2024 10:59:00	3.9	8.5	4.7	0.00	0.02	0.02	1.3	WSW
12/11/2024 11:00:00	3.9	8.8	4.9	0.00	0.02	0.02	1.3	SW
12/11/2024 11:01:00	3.9	8.9	5.0	0.00	0.02	0.02	1.3	WSW
12/11/2024 11:02:00	3.9	9.0	5.1	0.00	0.02	0.02	1.3	SW
12/11/2024 11:03:00	3.9	9.0	5.1	0.00	0.02	0.02	1.3	SSW
12/11/2024 11:04:00	3.9	9.0	5.1	0.00	0.02	0.02	1.3	WSW
12/11/2024 11:05:00	3.9	9.0	5.1	0.00	0.02	0.02	1.6	SW
12/11/2024 11:06:00	3.9	9.0	5.1	0.00	0.02	0.02	1.6	SW
12/11/2024 11:07:00	3.9	8.5	4.6	0.00	0.02	0.01	1.6	WSW
12/11/2024 11:08:00	3.9	8.3	4.4	0.00	0.01	0.01	1.7	SW
12/11/2024 11:09:00	3.8	8.1	4.3	0.00	0.01	0.00	1.7	SW
12/11/2024 11:10:00	3.8	7.6	3.8	0.00	0.00	0.00	1.7	WSW
12/11/2024 11:11:00	3.1	7.9	4.8	0.00	0.00	0.00	1.8	SW
12/11/2024 11:12:00	3.1	7.8	4.7	0.00	0.00	0.00	1.8	SW
12/11/2024 11:13:00	3.1	7.7	4.6	0.00	0.00	0.00	1.9	SW
12/11/2024 11:14:00	3.1	7.7	4.5	0.00	0.00	0.00	1.9	SW
12/11/2024 11:15:00	3.1	7.5	4.4	0.00	0.00	0.00	2.0	WSW
12/11/2024 11:16:00	3.2	7.4	4.2	0.00	0.00	0.00	2.1	SW
12/11/2024 11:17:00	3.2	7.3	4.1	0.00	0.01	0.01	2.1	SW
12/11/2024 11:18:00	3.2	7.3	4.0	0.00	0.01	0.01	2.2	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 11:19:00	3.6	7.1	3.5	0.00	0.01	0.01	2.2	S
12/11/2024 11:20:00	3.6	7.1	3.5	0.00	0.01	0.01	2.0	SSW
12/11/2024 11:21:00	3.6	7.0	3.3	0.00	0.01	0.01	2.0	SW
12/11/2024 11:22:00	3.7	7.0	3.3	0.00	0.01	0.01	2.0	WSW
12/11/2024 11:23:00	3.7	7.0	3.3	0.00	0.01	0.01	1.9	W
12/11/2024 11:24:00	3.8	6.9	3.1	0.00	0.01	0.01	1.8	WSW
12/11/2024 11:25:00	3.8	7.0	3.2	0.00	0.01	0.01	1.8	SSW
12/11/2024 11:26:00	3.9	7.1	3.1	0.00	0.01	0.01	1.8	NW
12/11/2024 11:27:00	4.0	7.2	3.2	0.00	0.01	0.01	1.8	WSW
12/11/2024 11:28:00	4.0	7.2	3.3	0.00	0.01	0.01	1.8	WSW
12/11/2024 11:29:00	4.0	7.3	3.3	0.00	0.01	0.01	1.8	SW
12/11/2024 11:30:00	4.1	7.3	3.3	0.00	0.01	0.01	1.9	SW
12/11/2024 11:31:00	4.1	7.3	3.2	0.00	0.01	0.00	1.7	SW
12/11/2024 11:32:00	4.1	7.3	3.1	0.00	0.00	0.00	1.8	SW
12/11/2024 11:33:00	4.2	7.3	3.1	0.00	0.00	0.00	1.9	WSW
12/11/2024 11:34:00	3.8	7.5	3.7	0.00	0.00	0.00	1.8	WSW
12/11/2024 11:35:00	3.9	7.4	3.4	0.00	0.00	0.00	1.8	WSW
12/11/2024 11:36:00	4.0	7.5	3.5	0.00	0.00	0.00	1.7	WNW
12/11/2024 11:37:00	4.0	7.5	3.4	0.00	0.00	0.00	1.5	N
12/11/2024 11:38:00	4.1	7.5	3.3	0.00	0.00	0.00	1.5	WSW
12/11/2024 11:39:00	4.2	7.5	3.3	0.00	0.00	0.00	1.4	N
12/11/2024 11:40:00	4.2	7.4	3.2	0.00	0.00	0.00	1.5	SW
12/11/2024 11:41:00	4.4	7.1	2.7	0.00	0.00	0.00	1.5	S
12/11/2024 11:42:00	4.5	6.9	2.4	0.00	0.00	0.00	1.4	SW
12/11/2024 11:43:00	4.5	6.7	2.1	0.00	0.00	0.00	1.4	SW
12/11/2024 11:44:00	4.6	6.4	1.8	0.00	0.00	0.00	1.2	S
12/11/2024 11:45:00	4.6	6.3	1.6	0.00	0.00	0.00	1.2	WSW
12/11/2024 11:46:00	4.7	6.3	1.6	0.00	0.00	0.00	1.3	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 11:47:00	4.7	6.3	1.5	0.00	0.00	0.00	1.1	SSW
12/11/2024 11:48:00	4.8	6.3	1.5	0.00	0.00	0.00	1.0	SW
12/11/2024 11:49:00	4.8	6.3	1.5	0.00	0.00	0.00	1.0	SW
12/11/2024 11:50:00	4.9	6.2	1.3	0.00	0.00	0.00	0.9	SE
12/11/2024 11:51:00	5.0	6.1	1.2	0.00	0.00	0.00	0.9	WNW
12/11/2024 11:52:00	5.0	6.1	1.1	0.00	0.00	0.00	1.0	SW
12/11/2024 11:53:00	5.1	6.2	1.1	0.00	0.00	0.00	1.1	SW
12/11/2024 11:54:00	5.4	6.1	0.7	0.00	0.00	0.00	1.3	SSE
12/11/2024 11:55:00	5.4	6.2	0.8	0.00	0.00	0.00	1.3	WSW
12/11/2024 11:56:00	5.2	6.5	1.2	0.00	0.00	0.00	1.3	SW
12/11/2024 11:57:00	5.2	6.5	1.3	0.00	0.00	0.00	1.3	WSW
12/11/2024 11:58:00	5.2	6.8	1.6	0.00	0.00	0.00	1.4	SSW
12/11/2024 11:59:00	5.3	7.3	2.0	0.00	0.00	0.00	1.4	NW
12/11/2024 12:00:00	5.3	7.7	2.5	0.00	0.00	0.00	1.2	N
12/11/2024 12:01:00	5.3	7.9	2.5	0.00	0.00	0.00	1.1	SW
12/11/2024 12:02:00	5.6	7.8	2.2	0.00	0.00	0.00	1.0	NE
12/11/2024 12:03:00	5.7	7.8	2.1	0.00	0.00	0.00	0.9	S
12/11/2024 12:04:00	5.7	7.8	2.0	0.00	0.00	0.00	1.0	SW
12/11/2024 12:05:00	5.7	8.8	3.1	0.00	0.00	0.00	1.1	SW
12/11/2024 12:06:00	5.7	10.0	4.3	0.00	0.00	0.00	1.1	WSW
12/11/2024 12:07:00	5.7	10.6	4.9	0.00	0.00	0.00	1.1	SW
12/11/2024 12:08:00	5.7	11.7	6.0	0.00	0.00	0.00	1.0	SW
12/11/2024 12:09:00	5.5	12.5	7.0	0.00	0.00	0.00	1.0	WNW
12/11/2024 12:10:00	5.6	12.7	7.1	0.00	0.00	0.00	0.9	SSW
12/11/2024 12:11:00	5.7	12.7	7.0	0.00	0.00	0.00	0.9	SW
12/11/2024 12:12:00	5.8	12.7	7.0	0.00	0.00	0.00	0.9	SW
12/11/2024 12:13:00	5.8	12.6	6.8	0.00	0.00	0.00	0.8	SSW
12/11/2024 12:14:00							0.9	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/11/2024 12:15:00							1.1	SW
12/11/2024 12:16:00							1.0	WNW
12/11/2024 12:17:00							1.2	SSW

DAILY FIELD REPORT 166

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 12, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	8:00 am to 3:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of No. 57– ¾-inch stone from Tilcon, Mt Hope Quarry of Wharton, NJ to the site. See material tracking section for further details.
- Trevcon demolished concrete in the south-central part of ABC Block 25 to construct waterfront structures.
- Trevcon excavated an about 60-foot-long by 5-foot-wide area to about 5 feet bgs (below grade surface) to remove creosote-treated timbers and construct waterfront structures in the southwestern part of ABC Block 25.
    - Excavated soil/fill was screened for odor, staining, and volatile organics using a photoionization detector (PID). Napthalene-like and chemical-like impacts including odor and a maximum PID reading of 109.4 parts per million (ppm) were observed. A sheen was not observed on water pooled at the bottom of the excavation behind the remnants of the existing bulkhead structure. Odor suppressant foam was applied as needed to mitigate odor during excavation and stockpiling.
    - The excavated soil/fill was stockpiled in the southeastern part of ABC Block 25 on top of and covered with polyethylene sheeting pending future off-site disposal.
    - Odor-suppressing foam was applied to the soil/fill stockpile in the south-central part of ABC Block 25.
    - Removed creosote-treated timber were stockpiled in the eastern part of ABC Block 25 pending future off-site disposal.
- Trevcon compacted existing soil/fill in the south-central part of Block 25 to prepare for geotextile fabric installation.
- Trevcon installed geotextile fabric on top of compacted existing soil/fill in the south-central part of Block 25 to prepare for ASTM No. 57 stone backfill.
- Trevcon backfilled an about 60-foot-long by 5-foot-wide section of ASTM No. 57 stone on top of geotextile fabric to construct waterfront structures in the southeastern part of ABC Block 25.

Material Tracking:

- Trevcon imported one load of ASTM No. 57 – ¾-inch stone from Tilcon. of Wharton, NJ to the site.
- No material was exported from the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**83**
	Quantity (CY)	0	**1640**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	1	**8**
		Quantity (CY)	20	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were taken today.

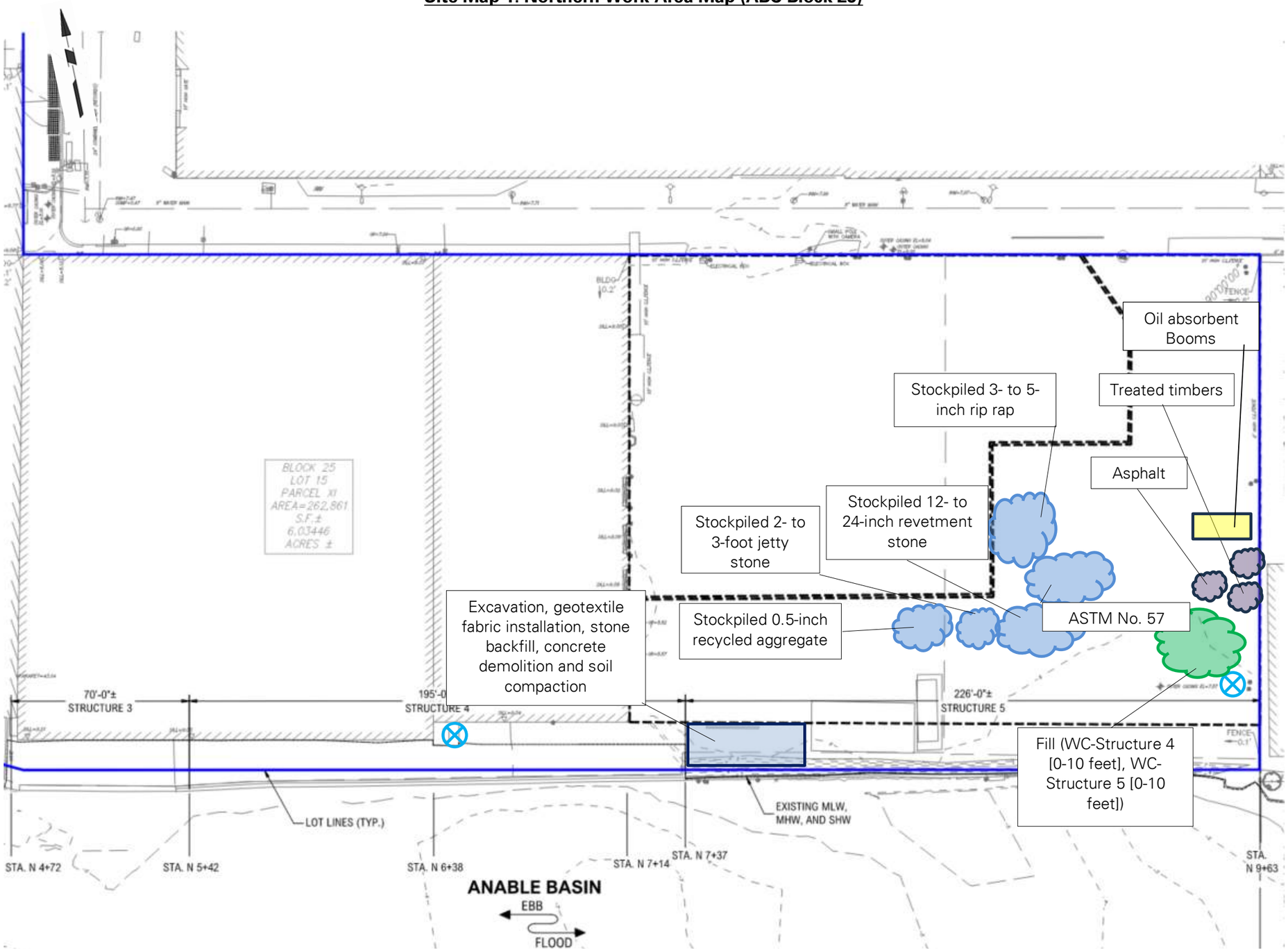
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

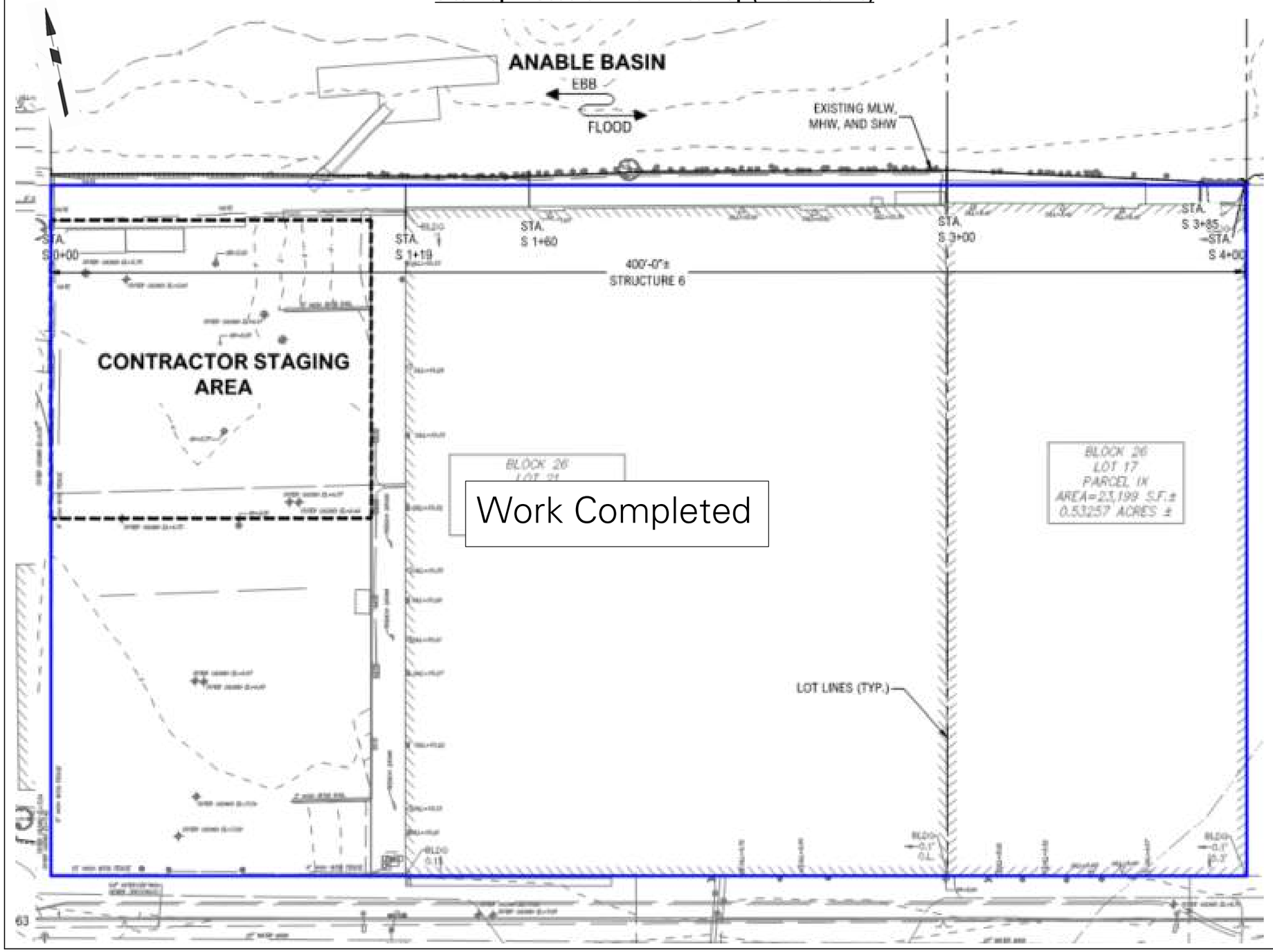


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**
- **Approximate location of documentation sample collected today**

File Name: 2024.12.12 - Anable Basin Bulkhead Stabilization - Day 16666

Site Map 2: Southern Work Area Map (ABC Block 26)



LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.12 - Anable Basin Bulkhead Stabilization - Day 16666

Photo Log

Photo 1: Trevcon excavating in the south-central part of Block 25 (facing west).	
Photo 2: Trevcon applying odor-suppressant foam to a stockpile of excavated soil/fill in the eastern part of ABC Block 25 (facing north).	

File Name: 2024.12.12 - Anable Basin Bulkhead Stabilization - Day 16666

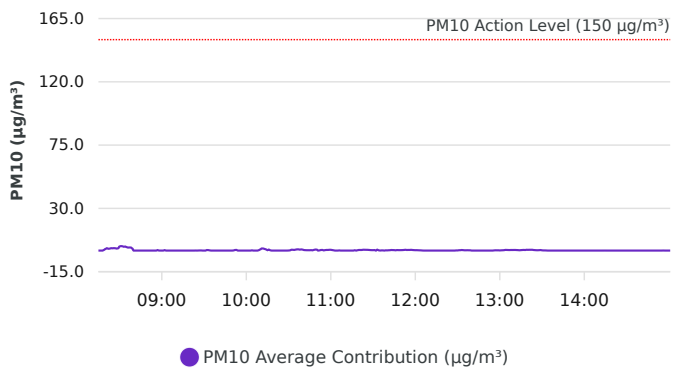
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/12/2024 04:00
		To:	12/12/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/12/2024	0.7-8.3	NNW

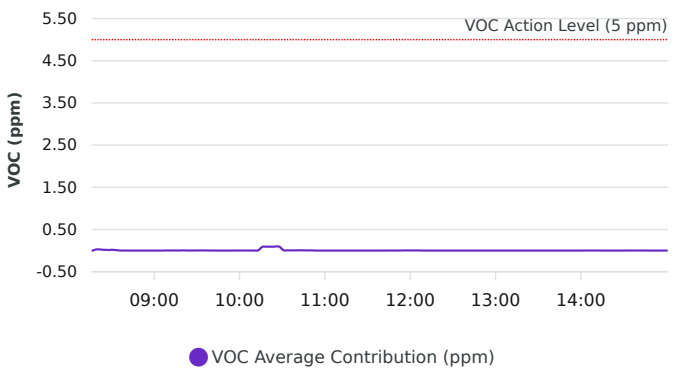
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/12/2024	0.0	08:15	0.00	08:16
Max Contribution (15 min avg.) - 12/12/2024	3.2	08:31	0.10	10:26



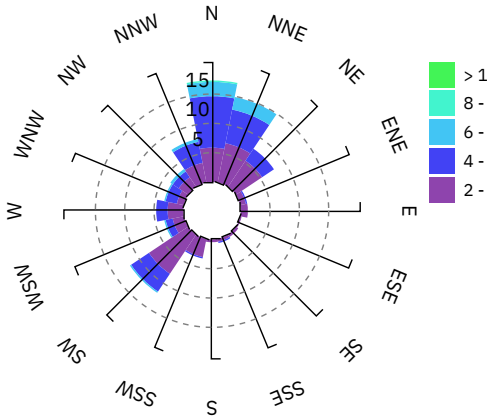
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 08:14:00							2.7	SW
12/12/2024 08:15:00	9.5	3.3	0.0				1.3	SE
12/12/2024 08:16:00	9.1	4.6	0.0	0.05	0.00	0.00	0.1	NNE
12/12/2024 08:17:00	8.0	6.0	0.0	0.03	0.03	0.00	0.9	WNW
12/12/2024 08:18:00	7.1	6.7	0.0	0.02	0.03	0.02	1.5	SW
12/12/2024 08:19:00	6.5	7.1	0.5	0.01	0.04	0.03	1.6	SW
12/12/2024 08:20:00	6.2	7.3	1.2	0.01	0.04	0.03	1.5	WNW
12/12/2024 08:21:00	5.9	7.6	1.7	0.01	0.04	0.03	1.6	SSW
12/12/2024 08:22:00	6.4	7.7	1.3	0.01	0.03	0.03	1.6	W
12/12/2024 08:23:00	6.3	7.7	1.4	0.01	0.03	0.02	1.4	ESE
12/12/2024 08:24:00	6.3	8.0	1.7	0.01	0.03	0.02	1.3	SE
12/12/2024 08:25:00	6.6	8.2	1.6	0.01	0.03	0.02	1.3	SW
12/12/2024 08:26:00	6.7	8.4	1.7	0.01	0.02	0.02	1.5	SSW
12/12/2024 08:27:00	6.7	8.3	1.6	0.01	0.02	0.02	1.5	SSW
12/12/2024 08:28:00	6.7	8.1	1.4	0.01	0.02	0.01	1.6	SSW
12/12/2024 08:29:00	6.6	8.2	1.6	0.01	0.03	0.02	1.4	NE
12/12/2024 08:30:00	6.7	9.6	2.9	0.01	0.03	0.02	1.4	SSE
12/12/2024 08:31:00	6.7	9.8	3.2	0.01	0.03	0.02	1.7	W
12/12/2024 08:32:00	6.6	9.7	3.1	0.01	0.03	0.01	1.7	SW
12/12/2024 08:33:00	6.8	9.5	2.7	0.01	0.03	0.01	1.6	W
12/12/2024 08:34:00	6.8	9.7	2.9	0.01	0.02	0.01	1.3	NE
12/12/2024 08:35:00	7.0	9.5	2.5	0.01	0.02	0.00	1.4	SW
12/12/2024 08:36:00	7.1	9.2	2.1	0.02	0.02	0.00	1.3	W
12/12/2024 08:37:00	6.8	9.0	2.2	0.02	0.02	0.00	1.5	SW
12/12/2024 08:38:00	6.7	8.9	2.2	0.02	0.02	0.00	1.8	SW
12/12/2024 08:39:00	7.0	8.5	1.5	0.02	0.02	0.00	2.0	SW
12/12/2024 08:40:00	9.6	8.2	0.0	0.02	0.02	0.00	2.0	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 08:41:00	9.6	7.7	0.0	0.02	0.02	0.00	1.9	SW
12/12/2024 08:42:00	9.7	7.6	0.0	0.03	0.02	0.00	2.0	SSW
12/12/2024 08:43:00	9.6	7.7	0.0	0.02	0.02	0.00	1.8	W
12/12/2024 08:44:00	9.5	7.3	0.0	0.02	0.01	0.00	2.2	SW
12/12/2024 08:45:00	9.1	6.0	0.0	0.02	0.01	0.00	2.3	SW
12/12/2024 08:46:00	8.8	5.8	0.0	0.02	0.01	0.00	2.5	SW
12/12/2024 08:47:00	8.7	5.7	0.0	0.02	0.01	0.00	2.6	SW
12/12/2024 08:48:00	8.7	5.7	0.0	0.02	0.01	0.00	2.5	S
12/12/2024 08:49:00	8.7	5.2	0.0	0.02	0.00	0.00	2.7	SSE
12/12/2024 08:50:00	8.5	5.1	0.0	0.02	0.00	0.00	2.8	SW
12/12/2024 08:51:00	8.4	5.0	0.0	0.01	0.00	0.00	2.8	SW
12/12/2024 08:52:00	8.4	5.0	0.0	0.02	0.00	0.00	2.7	SW
12/12/2024 08:53:00	8.4	5.0	0.0	0.02	0.00	0.00	2.6	SSW
12/12/2024 08:54:00	8.1	4.9	0.0	0.02	0.00	0.00	2.6	S
12/12/2024 08:55:00	5.1	4.9	0.0	0.02	0.00	0.00	2.6	SW
12/12/2024 08:56:00	5.2	4.9	0.0	0.01	0.00	0.00	2.7	SSW
12/12/2024 08:57:00	5.0	5.4	0.3	0.01	0.00	0.00	2.6	SSE
12/12/2024 08:58:00	5.3	5.3	0.0	0.01	0.00	0.00	2.6	WSW
12/12/2024 08:59:00	5.3	5.3	0.0	0.01	0.00	0.00	2.5	SSW
12/12/2024 09:00:00	5.4	5.3	0.0	0.01	0.00	0.00	2.5	SSW
12/12/2024 09:01:00	5.5	5.2	0.0	0.01	0.00	0.00	2.4	SW
12/12/2024 09:02:00	5.5	5.8	0.3	0.01	0.00	0.00	2.0	NNE
12/12/2024 09:03:00	5.9	5.8	0.0	0.01	0.00	0.00	2.0	SW
12/12/2024 09:04:00	6.2	5.8	0.0	0.01	0.00	0.00	2.0	SW
12/12/2024 09:05:00	6.2	5.8	0.0	0.01	0.00	0.00	2.1	SW
12/12/2024 09:06:00	6.2	5.8	0.0	0.01	0.00	0.00	2.2	SW
12/12/2024 09:07:00	6.5	5.8	0.0	0.01	0.01	0.00	1.9	N
12/12/2024 09:08:00	6.8	5.9	0.0	0.01	0.01	0.00	1.9	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 09:09:00	6.8	5.9	0.0	0.01	0.01	0.00	1.8	WSW
12/12/2024 09:10:00	6.9	6.0	0.0	0.01	0.01	0.00	1.5	NE
12/12/2024 09:11:00	6.7	5.9	0.0	0.01	0.01	0.00	1.3	SSE
12/12/2024 09:12:00	6.8	5.5	0.0	0.01	0.01	0.00	1.4	SSW
12/12/2024 09:13:00	6.7	5.6	0.0	0.01	0.01	0.00	1.4	SSE
12/12/2024 09:14:00	6.7	5.6	0.0	0.01	0.01	0.00	1.6	SW
12/12/2024 09:15:00	6.5	5.5	0.0	0.01	0.01	0.00	1.2	NNE
12/12/2024 09:16:00	6.3	5.6	0.0	0.01	0.01	0.00	1.0	NE
12/12/2024 09:17:00	6.2	5.0	0.0	0.01	0.01	0.00	1.1	S
12/12/2024 09:18:00	5.8	5.0	0.0	0.01	0.01	0.00	1.2	SW
12/12/2024 09:19:00	5.4	5.0	0.0	0.01	0.01	0.00	0.9	NNE
12/12/2024 09:20:00	5.4	5.1	0.0	0.01	0.01	0.00	0.5	NE
12/12/2024 09:21:00	5.5	5.0	0.0	0.01	0.01	0.01	0.2	NNW
12/12/2024 09:22:00	5.2	4.9	0.0	0.01	0.01	0.00	0.4	WSW
12/12/2024 09:23:00	4.8	4.7	0.0	0.01	0.01	0.00	0.4	SW
12/12/2024 09:24:00	4.7	4.8	0.0	0.01	0.01	0.00	0.2	ENE
12/12/2024 09:25:00	4.6	4.6	0.0	0.00	0.01	0.00	0.6	SW
12/12/2024 09:26:00	4.5	4.6	0.1	0.00	0.01	0.00	0.7	SW
12/12/2024 09:27:00	4.4	4.5	0.1	0.00	0.00	0.00	0.9	SW
12/12/2024 09:28:00	4.2	4.3	0.1	0.00	0.01	0.00	1.0	W
12/12/2024 09:29:00	4.1	4.1	0.0	0.00	0.00	0.00	1.0	WSW
12/12/2024 09:30:00	4.1	4.0	0.0	0.00	0.00	0.00	1.5	SW
12/12/2024 09:31:00	4.1	4.0	0.0	0.00	0.00	0.00	1.4	NE
12/12/2024 09:32:00	4.1	4.4	0.4	0.00	0.00	0.00	1.4	SSE
12/12/2024 09:33:00	4.1	4.4	0.3	0.00	0.00	0.00	1.4	SW
12/12/2024 09:34:00	4.2	4.3	0.1	0.00	0.00	0.00	1.7	SW
12/12/2024 09:35:00	4.5	4.1	0.0	0.00	0.00	0.00	2.0	SW
12/12/2024 09:36:00	4.6	4.1	0.0	0.00	0.00	0.00	2.1	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 09:37:00	4.5	4.0	0.0	0.00	0.00	0.00	2.1	SSW
12/12/2024 09:38:00	4.6	4.0	0.0	0.00	0.00	0.00	2.2	SW
12/12/2024 09:39:00	4.5	4.0	0.0	0.00	0.00	0.00	2.5	S
12/12/2024 09:40:00	4.5	4.0	0.0	0.00	0.00	0.00	2.4	SW
12/12/2024 09:41:00	4.3	3.9	0.0	0.00	0.00	0.00	2.3	SW
12/12/2024 09:42:00	4.3	3.8	0.0	0.00	0.00	0.00	2.2	SW
12/12/2024 09:43:00	4.2	3.8	0.0	0.00	0.00	0.00	2.0	NNW
12/12/2024 09:44:00	4.2	3.7	0.0	0.00	0.00	0.00	2.0	SW
12/12/2024 09:45:00	4.2	3.7	0.0	0.00	0.00	0.00	1.9	WSW
12/12/2024 09:46:00	4.1	3.6	0.0	0.00	0.00	0.00	1.7	NNE
12/12/2024 09:47:00	4.1	3.0	0.0	0.00	0.00	0.00	1.5	NE
12/12/2024 09:48:00	3.9	3.0	0.0	0.00	0.00	0.00	1.5	SW
12/12/2024 09:49:00	4.0	2.9	0.0	0.00	0.00	0.00	1.5	W
12/12/2024 09:50:00	3.6	3.2	0.0	0.00	0.00	0.00	1.2	NE
12/12/2024 09:51:00	3.2	3.3	0.1	0.00	0.00	0.00	1.0	NE
12/12/2024 09:52:00	3.0	3.5	0.4	0.00	0.00	0.00	1.0	SSE
12/12/2024 09:53:00	2.9	3.4	0.5	0.00	0.00	0.00	0.9	SW
12/12/2024 09:54:00	3.5	3.1	0.0	0.00	0.00	0.00	1.0	SW
12/12/2024 09:55:00	3.8	3.1	0.0	0.00	0.00	0.00	1.1	SW
12/12/2024 09:56:00	4.0	3.1	0.0	0.00	0.00	0.00	1.2	SW
12/12/2024 09:57:00	4.0	3.1	0.0	0.00	0.00	0.00	1.2	SW
12/12/2024 09:58:00	4.0	3.3	0.0	0.00	0.00	0.00	0.9	NE
12/12/2024 09:59:00	4.0	3.3	0.0	0.00	0.00	0.00	0.9	WNW
12/12/2024 10:00:00	3.9	3.6	0.0	0.00	0.00	0.00	0.4	NE
12/12/2024 10:01:00	4.5	3.4	0.0	0.00	0.00	0.00	0.8	SSW
12/12/2024 10:02:00	4.5	3.7	0.0	0.00	0.00	0.00	0.8	NNE
12/12/2024 10:03:00	4.5	4.1	0.0	0.00	0.00	0.00	0.5	ENE
12/12/2024 10:04:00	4.2	4.4	0.2	0.00	0.00	0.00	0.3	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 10:05:00	4.7	4.1	0.0	0.00	0.00	0.00	0.7	WSW
12/12/2024 10:06:00	4.8	3.9	0.0	0.00	0.00	0.00	1.3	WSW
12/12/2024 10:07:00	4.9	4.3	0.0	0.00	0.00	0.00	1.0	N
12/12/2024 10:08:00	4.8	4.7	0.0	0.00	0.00	0.00	0.9	NNW
12/12/2024 10:09:00	4.4	4.7	0.3	0.00	0.00	0.00	1.0	NNE
12/12/2024 10:10:00	4.0	4.9	0.9	0.01	0.00	0.00	1.2	NNE
12/12/2024 10:11:00	3.8	5.3	1.5	0.01	0.00	0.00	1.5	NNE
12/12/2024 10:12:00	3.8	5.3	1.5	0.01	0.00	0.00	1.7	W
12/12/2024 10:13:00	3.9	5.0	1.1	0.01	0.01	0.00	1.6	NNW
12/12/2024 10:14:00	4.2	5.1	0.8	0.01	0.04	0.03	1.4	W
12/12/2024 10:15:00	4.5	4.8	0.3	0.01	0.07	0.06	1.2	SW
12/12/2024 10:16:00	4.1	4.8	0.7	0.01	0.10	0.09	1.3	WSW
12/12/2024 10:17:00	4.2	4.4	0.2	0.01	0.10	0.10	1.2	SSW
12/12/2024 10:18:00	4.2	4.0	0.0	0.01	0.10	0.09	1.4	SW
12/12/2024 10:19:00	4.2	3.7	0.0	0.01	0.10	0.09	1.6	WSW
12/12/2024 10:20:00	3.8	3.7	0.0	0.01	0.11	0.09	1.3	S
12/12/2024 10:21:00	3.8	3.7	0.0	0.01	0.11	0.09	1.1	SW
12/12/2024 10:22:00	3.6	3.1	0.0	0.01	0.11	0.09	1.1	NNE
12/12/2024 10:23:00	3.6	2.8	0.0	0.02	0.11	0.09	1.0	SSE
12/12/2024 10:24:00	3.5	2.8	0.0	0.01	0.11	0.09	1.3	SSW
12/12/2024 10:25:00	3.5	3.0	0.0	0.01	0.11	0.10	1.3	NE
12/12/2024 10:26:00	3.5	2.7	0.0	0.01	0.11	0.10	1.4	NNE
12/12/2024 10:27:00	3.5	2.7	0.0	0.01	0.11	0.10	1.4	NW
12/12/2024 10:28:00	3.4	2.8	0.0	0.01	0.10	0.09	1.1	NNE
12/12/2024 10:29:00	3.0	2.8	0.0	0.01	0.07	0.07	1.0	N
12/12/2024 10:30:00	2.8	2.8	0.1	0.01	0.04	0.03	1.0	WNW
12/12/2024 10:31:00	2.7	2.8	0.1	0.01	0.01	0.01	1.1	W
12/12/2024 10:32:00	2.5	3.1	0.6	0.01	0.01	0.00	1.2	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 10:33:00	2.5	3.1	0.6	0.01	0.01	0.00	1.2	SSW
12/12/2024 10:34:00	2.7	3.2	0.5	0.01	0.01	0.01	1.2	WSW
12/12/2024 10:35:00	2.8	3.4	0.7	0.01	0.01	0.01	1.5	NNE
12/12/2024 10:36:00	2.7	3.6	0.9	0.01	0.01	0.00	1.7	NE
12/12/2024 10:37:00	2.7	3.6	0.9	0.01	0.01	0.01	2.0	NNE
12/12/2024 10:38:00	2.9	3.5	0.7	0.01	0.01	0.01	2.0	SSW
12/12/2024 10:39:00	2.8	3.6	0.8	0.01	0.01	0.01	1.9	SE
12/12/2024 10:40:00	2.8	3.5	0.7	0.01	0.01	0.01	1.9	E
12/12/2024 10:41:00	3.0	3.3	0.4	0.01	0.01	0.01	1.7	WNW
12/12/2024 10:42:00	3.0	3.3	0.3	0.01	0.01	0.01	1.7	NNW
12/12/2024 10:43:00	3.0	3.2	0.3	0.01	0.01	0.01	1.7	N
12/12/2024 10:44:00	3.0	3.2	0.3	0.01	0.01	0.01	1.6	NNW
12/12/2024 10:45:00	3.0	3.2	0.2	0.01	0.01	0.01	1.4	SW
12/12/2024 10:46:00	2.9	3.2	0.3	0.01	0.01	0.01	1.6	N
12/12/2024 10:47:00	2.9	3.1	0.2	0.00	0.01	0.00	1.6	ENE
12/12/2024 10:48:00	2.8	3.3	0.5	0.00	0.01	0.00	1.8	NE
12/12/2024 10:49:00	2.6	3.3	0.7	0.00	0.01	0.00	2.1	NNE
12/12/2024 10:50:00	2.6	3.2	0.7	0.00	0.01	0.01	1.9	NNE
12/12/2024 10:51:00	3.2	3.2	0.0	0.00	0.01	0.01	1.8	NW
12/12/2024 10:52:00	3.2	3.3	0.1	0.01	0.01	0.00	1.5	NE
12/12/2024 10:53:00	3.0	3.4	0.4	0.01	0.01	0.00	1.9	NNE
12/12/2024 10:54:00	2.9	3.4	0.5	0.01	0.01	0.00	2.2	NE
12/12/2024 10:55:00	3.0	3.1	0.1	0.01	0.01	0.00	2.4	N
12/12/2024 10:56:00	2.8	3.1	0.3	0.01	0.01	0.00	2.5	NW
12/12/2024 10:57:00	2.7	3.1	0.5	0.01	0.01	0.00	2.5	N
12/12/2024 10:58:00	2.7	3.1	0.4	0.01	0.01	0.00	2.5	NNE
12/12/2024 10:59:00	2.7	3.2	0.6	0.01	0.01	0.00	2.4	NE
12/12/2024 11:00:00	2.7	3.2	0.6	0.01	0.01	0.00	3.1	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 11:01:00	2.9	3.2	0.4	0.01	0.01	0.00	3.2	NE
12/12/2024 11:02:00	3.0	3.2	0.2	0.01	0.01	0.00	3.4	N
12/12/2024 11:03:00	3.1	3.0	0.0	0.01	0.01	0.00	3.5	N
12/12/2024 11:04:00	3.1	3.0	0.0	0.01	0.01	0.00	3.5	WNW
12/12/2024 11:05:00	3.1	2.8	0.0	0.01	0.01	0.00	3.6	NE
12/12/2024 11:06:00	2.6	2.7	0.1	0.01	0.00	0.00	3.8	N
12/12/2024 11:07:00	2.6	2.5	0.0	0.01	0.00	0.00	4.1	N
12/12/2024 11:08:00	2.6	2.3	0.0	0.00	0.00	0.00	4.2	NNW
12/12/2024 11:09:00	2.6	2.2	0.0	0.00	0.00	0.00	4.3	NNW
12/12/2024 11:10:00	2.5	2.2	0.0	0.00	0.00	0.00	4.3	NNE
12/12/2024 11:11:00	2.5	2.2	0.0	0.00	0.00	0.00	4.5	NNE
12/12/2024 11:12:00	2.5	2.1	0.0	0.00	0.00	0.00	4.6	N
12/12/2024 11:13:00	2.4	2.1	0.0	0.00	0.00	0.00	4.4	NE
12/12/2024 11:14:00	2.3	2.0	0.0	0.00	0.00	0.00	4.2	NNE
12/12/2024 11:15:00	2.3	2.1	0.0	0.00	0.00	0.00	4.1	NNE
12/12/2024 11:16:00	2.1	2.0	0.0	0.00	0.00	0.00	4.3	N
12/12/2024 11:17:00	1.8	2.1	0.2	0.00	0.00	0.00	4.4	NNW
12/12/2024 11:18:00	2.2	2.0	0.0	0.00	0.00	0.00	4.5	NNE
12/12/2024 11:19:00	2.1	2.4	0.2	0.00	0.00	0.00	4.6	N
12/12/2024 11:20:00	2.0	2.5	0.4	0.00	0.00	0.00	4.6	NNW
12/12/2024 11:21:00	2.0	2.5	0.4	0.00	0.00	0.00	4.4	NNE
12/12/2024 11:22:00	2.1	2.5	0.4	0.00	0.00	0.00	4.2	NE
12/12/2024 11:23:00	2.1	2.7	0.6	0.00	0.00	0.00	4.1	WNW
12/12/2024 11:24:00	2.1	2.7	0.6	0.01	0.00	0.00	3.9	NE
12/12/2024 11:25:00	2.2	2.7	0.5	0.01	0.00	0.00	3.6	SE
12/12/2024 11:26:00	2.2	2.7	0.5	0.01	0.00	0.00	3.1	SE
12/12/2024 11:27:00	2.3	2.8	0.5	0.01	0.00	0.00	2.5	SSW
12/12/2024 11:28:00	2.5	2.8	0.4	0.00	0.00	0.00	2.2	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 11:29:00	2.5	2.8	0.3	0.01	0.00	0.00	2.1	E
12/12/2024 11:30:00	2.5	2.7	0.3	0.01	0.00	0.00	2.1	NE
12/12/2024 11:31:00	2.4	2.8	0.4	0.01	0.00	0.00	1.8	NNE
12/12/2024 11:32:00	2.5	2.5	0.0	0.01	0.00	0.00	1.9	N
12/12/2024 11:33:00	2.1	2.7	0.6	0.01	0.00	0.00	1.8	NNE
12/12/2024 11:34:00	2.1	2.3	0.2	0.01	0.00	0.00	1.9	NNE
12/12/2024 11:35:00	2.1	2.1	0.0	0.01	0.01	0.00	2.2	N
12/12/2024 11:36:00	2.0	2.1	0.1	0.01	0.01	0.00	2.4	NNW
12/12/2024 11:37:00	2.0	2.1	0.1	0.01	0.01	0.00	2.5	NNE
12/12/2024 11:38:00	2.0	1.9	0.0	0.01	0.01	0.00	2.7	NNW
12/12/2024 11:39:00	2.0	2.1	0.2	0.01	0.01	0.00	2.9	N
12/12/2024 11:40:00	2.0	2.1	0.1	0.01	0.01	0.00	3.4	NNE
12/12/2024 11:41:00	2.0	2.2	0.2	0.01	0.01	0.00	3.6	NNW
12/12/2024 11:42:00	1.9	2.1	0.3	0.01	0.00	0.00	4.2	NNW
12/12/2024 11:43:00	1.8	2.2	0.4	0.01	0.00	0.00	4.7	N
12/12/2024 11:44:00	1.7	2.1	0.3	0.00	0.00	0.00	5.0	N
12/12/2024 11:45:00	1.7	2.0	0.3	0.00	0.00	0.00	5.0	NNE
12/12/2024 11:46:00	1.8	2.0	0.2	0.00	0.00	0.00	5.2	NNE
12/12/2024 11:47:00	1.6	2.0	0.4	0.00	0.00	0.00	5.1	N
12/12/2024 11:48:00	1.7	2.0	0.3	0.00	0.00	0.00	5.2	N
12/12/2024 11:49:00	1.7	2.0	0.3	0.00	0.00	0.00	5.2	N
12/12/2024 11:50:00	1.7	2.0	0.3	0.00	0.00	0.00	4.9	N
12/12/2024 11:51:00	1.7	2.0	0.3	0.00	0.00	0.00	4.8	NNW
12/12/2024 11:52:00	1.6	2.1	0.4	0.00	0.00	0.00	4.9	N
12/12/2024 11:53:00	1.6	2.1	0.6	0.00	0.00	0.00	5.0	N
12/12/2024 11:54:00	1.6	1.9	0.4	0.00	0.00	0.00	4.9	NW
12/12/2024 11:55:00	1.5	1.9	0.5	0.00	0.00	0.00	4.8	N
12/12/2024 11:56:00	1.5	1.9	0.4	0.00	0.00	0.00	4.9	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 11:57:00	1.4	2.0	0.5	0.00	0.00	0.00	4.9	NNW
12/12/2024 11:58:00	1.5	1.9	0.4	0.00	0.00	0.00	5.0	N
12/12/2024 11:59:00	1.6	1.9	0.3	0.00	0.00	0.00	5.1	NNE
12/12/2024 12:00:00	1.6	1.8	0.3	0.00	0.01	0.00	5.1	N
12/12/2024 12:01:00	1.5	1.8	0.3	0.00	0.01	0.00	4.7	W
12/12/2024 12:02:00	1.5	1.8	0.2	0.00	0.01	0.00	4.6	NNW
12/12/2024 12:03:00	1.5	1.6	0.2	0.00	0.01	0.00	4.4	NE
12/12/2024 12:04:00	1.4	1.6	0.1	0.00	0.01	0.00	4.5	N
12/12/2024 12:05:00	1.4	1.5	0.1	0.00	0.01	0.00	4.4	NNW
12/12/2024 12:06:00	1.4	1.4	0.0	0.00	0.01	0.00	4.4	N
12/12/2024 12:07:00	1.4	1.3	0.0	0.00	0.01	0.00	4.3	NNE
12/12/2024 12:08:00	1.4	1.2	0.0	0.00	0.00	0.00	4.1	NNW
12/12/2024 12:09:00	1.3	1.1	0.0	0.00	0.00	0.00	4.1	N
12/12/2024 12:10:00	1.3	1.1	0.0	0.00	0.00	0.00	4.2	N
12/12/2024 12:11:00	1.3	0.9	0.0	0.00	0.00	0.00	4.2	NNW
12/12/2024 12:12:00	1.2	0.8	0.0	0.00	0.00	0.00	4.0	W
12/12/2024 12:13:00	1.1	0.8	0.0	0.00	0.00	0.00	3.8	WNW
12/12/2024 12:14:00	1.1	0.7	0.0	0.00	0.00	0.00	3.8	NW
12/12/2024 12:15:00	1.0	0.6	0.0	0.00	0.00	0.00	3.7	WNW
12/12/2024 12:16:00	1.0	0.6	0.0	0.00	0.00	0.00	3.9	N
12/12/2024 12:17:00	1.0	0.5	0.0	0.00	0.00	0.00	4.0	N
12/12/2024 12:18:00	1.1	0.5	0.0	0.00	0.00	0.00	4.0	NNE
12/12/2024 12:19:00	1.1	0.6	0.0	0.00	0.00	0.00	3.9	N
12/12/2024 12:20:00	1.2	0.8	0.0	0.00	0.00	0.00	3.8	NNE
12/12/2024 12:21:00	1.3	1.0	0.0	0.00	0.00	0.00	3.9	NNW
12/12/2024 12:22:00	1.4	1.1	0.0	0.00	0.00	0.00	3.7	NNE
12/12/2024 12:23:00	1.5	1.2	0.0	0.00	0.00	0.00	3.6	NE
12/12/2024 12:24:00	1.6	1.3	0.0	0.00	0.00	0.00	3.5	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 12:25:00	1.8	1.6	0.0	0.00	0.00	0.00	3.3	NW
12/12/2024 12:26:00	2.0	1.7	0.0	0.00	0.00	0.00	3.2	NNE
12/12/2024 12:27:00	2.0	1.9	0.0	0.00	0.00	0.00	3.4	NNW
12/12/2024 12:28:00	2.2	2.0	0.0	0.00	0.00	0.00	3.2	E
12/12/2024 12:29:00	2.3	2.4	0.1	0.00	0.00	0.00	3.2	N
12/12/2024 12:30:00	2.5	2.5	0.1	0.00	0.00	0.00	3.3	NNE
12/12/2024 12:31:00	2.5	2.8	0.2	0.00	0.00	0.00	2.8	SW
12/12/2024 12:32:00	2.6	2.9	0.3	0.00	0.00	0.00	2.9	N
12/12/2024 12:33:00	2.6	3.0	0.4	0.00	0.00	0.00	2.8	N
12/12/2024 12:34:00	2.8	3.1	0.3	0.00	0.00	0.00	2.6	WNW
12/12/2024 12:35:00	2.9	3.0	0.2	0.00	0.00	0.00	2.5	NE
12/12/2024 12:36:00	2.9	3.1	0.2	0.00	0.00	0.00	2.6	NNW
12/12/2024 12:37:00	2.9	3.2	0.2	0.00	0.00	0.00	2.3	SW
12/12/2024 12:38:00	2.9	3.1	0.2	0.00	0.00	0.00	2.3	NE
12/12/2024 12:39:00	2.9	3.1	0.2	0.00	0.00	0.00	2.2	NNE
12/12/2024 12:40:00	2.9	2.9	0.0	0.00	0.00	0.00	2.0	WSW
12/12/2024 12:41:00	3.0	3.0	0.0	0.00	0.00	0.00	1.7	SSW
12/12/2024 12:42:00	3.1	2.9	0.0	0.00	0.00	0.00	1.5	WSW
12/12/2024 12:43:00	3.0	3.0	0.0	0.00	0.00	0.00	1.7	NNE
12/12/2024 12:44:00	3.1	2.8	0.0	0.00	0.00	0.00	1.7	N
12/12/2024 12:45:00	3.0	2.9	0.0	0.00	0.00	0.00	1.8	W
12/12/2024 12:46:00	3.0	2.8	0.0	0.00	0.00	0.00	2.1	NNE
12/12/2024 12:47:00	3.1	2.8	0.0	0.00	0.00	0.00	1.9	NE
12/12/2024 12:48:00	3.1	2.8	0.0	0.00	0.00	0.00	1.8	ENE
12/12/2024 12:49:00	3.2	2.8	0.0	0.00	0.00	0.00	1.6	WSW
12/12/2024 12:50:00	3.3	2.9	0.0	0.00	0.00	0.00	1.6	NNE
12/12/2024 12:51:00	3.2	2.9	0.0	0.00	0.00	0.00	1.5	N
12/12/2024 12:52:00	3.2	2.9	0.0	0.00	0.00	0.00	1.7	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 12:53:00	3.3	3.0	0.0	0.00	0.00	0.00	1.7	NNE
12/12/2024 12:54:00	3.4	3.3	0.0	0.00	0.00	0.00	1.3	SW
12/12/2024 12:55:00	3.5	3.3	0.0	0.00	0.00	0.00	1.1	S
12/12/2024 12:56:00	3.2	3.3	0.1	0.00	0.00	0.00	1.4	WNW
12/12/2024 12:57:00	3.2	3.4	0.2	0.00	0.00	0.00	1.7	NE
12/12/2024 12:58:00	3.2	3.4	0.2	0.00	0.00	0.00	1.3	SW
12/12/2024 12:59:00	3.2	3.4	0.2	0.00	0.00	0.00	1.2	NNE
12/12/2024 13:00:00	3.2	3.3	0.1	0.00	0.00	0.00	1.0	SSW
12/12/2024 13:01:00	3.3	3.5	0.2	0.00	0.00	0.00	1.1	NNE
12/12/2024 13:02:00	3.3	3.5	0.2	0.00	0.00	0.00	1.2	N
12/12/2024 13:03:00	3.3	3.5	0.3	0.00	0.00	0.00	1.3	NE
12/12/2024 13:04:00	3.1	3.6	0.5	0.00	0.00	0.00	1.4	NE
12/12/2024 13:05:00	3.0	3.4	0.4	0.00	0.00	0.00	1.3	NE
12/12/2024 13:06:00	3.0	3.4	0.4	0.00	0.00	0.00	1.1	WNW
12/12/2024 13:07:00	3.0	3.4	0.4	0.00	0.00	0.00	1.2	NNE
12/12/2024 13:08:00	3.0	3.4	0.4	0.00	0.00	0.00	1.5	N
12/12/2024 13:09:00	2.9	3.3	0.4	0.00	0.00	0.00	2.2	N
12/12/2024 13:10:00	2.9	3.3	0.4	0.00	0.00	0.00	2.7	N
12/12/2024 13:11:00	2.9	3.3	0.4	0.00	0.00	0.00	2.8	NNW
12/12/2024 13:12:00	2.9	3.2	0.4	0.00	0.00	0.00	2.8	N
12/12/2024 13:13:00	2.9	3.2	0.3	0.00	0.00	0.00	2.9	SSE
12/12/2024 13:14:00	3.0	3.2	0.2	0.00	0.00	0.00	2.8	E
12/12/2024 13:15:00	3.0	3.3	0.3	0.00	0.00	0.00	3.1	NW
12/12/2024 13:16:00	2.9	3.3	0.4	0.00	0.00	0.00	2.8	NW
12/12/2024 13:17:00	2.8	3.3	0.5	0.00	0.00	0.00	2.4	SW
12/12/2024 13:18:00	2.8	3.2	0.4	0.00	0.00	0.00	2.5	NNW
12/12/2024 13:19:00	2.9	3.5	0.6	0.00	0.00	0.00	2.8	NW
12/12/2024 13:20:00	2.9	3.4	0.5	0.00	0.00	0.00	3.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 13:21:00	2.9	3.5	0.6	0.00	0.00	0.00	3.0	NNE
12/12/2024 13:22:00	2.9	3.5	0.6	0.00	0.00	0.00	3.1	N
12/12/2024 13:23:00	2.9	3.5	0.6	0.00	0.00	0.00	2.8	NNE
12/12/2024 13:24:00	2.9	3.3	0.4	0.00	0.00	0.00	2.7	NNW
12/12/2024 13:25:00	3.0	3.3	0.3	0.00	0.00	0.00	2.5	NE
12/12/2024 13:26:00	3.0	3.3	0.3	0.00	0.00	0.00	2.6	N
12/12/2024 13:27:00	3.1	3.3	0.2	0.00	0.00	0.00	2.6	NNW
12/12/2024 13:28:00	3.0	3.3	0.3	0.00	0.00	0.00	2.9	N
12/12/2024 13:29:00	3.0	3.4	0.4	0.00	0.00	0.00	3.3	N
12/12/2024 13:30:00	3.2	3.4	0.2	0.00	0.00	0.00	3.3	NNE
12/12/2024 13:31:00	3.2	3.3	0.1	0.00	0.00	0.00	3.3	N
12/12/2024 13:32:00	3.2	3.3	0.1	0.00	0.00	0.00	3.7	NNE
12/12/2024 13:33:00	3.2	3.3	0.1	0.00	0.00	0.00	3.9	NNE
12/12/2024 13:34:00	3.2	3.0	0.0	0.00	0.00	0.00	3.9	NNE
12/12/2024 13:35:00	3.2	3.0	0.0	0.00	0.00	0.00	3.9	N
12/12/2024 13:36:00	3.2	3.0	0.0	0.00	0.00	0.00	4.0	N
12/12/2024 13:37:00	3.1	3.1	0.0	0.00	0.00	0.00	3.6	SW
12/12/2024 13:38:00	3.2	3.0	0.0	0.00	0.00	0.00	3.7	N
12/12/2024 13:39:00	3.1	3.0	0.0	0.00	0.00	0.00	3.5	WNW
12/12/2024 13:40:00	3.2	3.0	0.0	0.00	0.00	0.00	3.4	NW
12/12/2024 13:41:00	3.1	3.0	0.0	0.00	0.00	0.00	3.1	ESE
12/12/2024 13:42:00	3.1	3.0	0.0	0.00	0.00	0.00	2.9	NNW
12/12/2024 13:43:00	3.1	3.0	0.0	0.00	0.00	0.00	2.6	SSE
12/12/2024 13:44:00	3.2	3.0	0.0	0.00	0.00	0.00	2.5	NNE
12/12/2024 13:45:00	3.1	3.0	0.0	0.00	0.00	0.00	2.4	N
12/12/2024 13:46:00	3.1	3.0	0.0	0.00	0.00	0.00	2.4	NW
12/12/2024 13:47:00	3.2	3.0	0.0	0.00	0.00	0.00	2.3	NE
12/12/2024 13:48:00	3.2	3.0	0.0	0.00	0.00	0.00	1.9	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 13:49:00	3.2	3.0	0.0	0.00	0.00	0.00	1.6	SW
12/12/2024 13:50:00	3.3	3.0	0.0	0.00	0.00	0.00	1.4	NE
12/12/2024 13:51:00	3.2	3.0	0.0	0.00	0.00	0.00	1.2	NE
12/12/2024 13:52:00	3.2	3.0	0.0	0.00	0.00	0.00	1.3	SSE
12/12/2024 13:53:00	3.3	3.0	0.0	0.00	0.00	0.00	0.8	SW
12/12/2024 13:54:00	3.4	3.0	0.0	0.00	0.00	0.00	0.7	WSW
12/12/2024 13:55:00	3.4	3.0	0.0	0.00	0.00	0.00	0.9	N
12/12/2024 13:56:00	3.5	3.0	0.0	0.00	0.00	0.00	1.0	WSW
12/12/2024 13:57:00	3.5	3.0	0.0	0.00	0.00	0.00	0.9	WSW
12/12/2024 13:58:00	3.6	2.9	0.0	0.00	0.00	0.00	1.2	N
12/12/2024 13:59:00	3.6	3.0	0.0	0.00	0.00	0.00	1.3	W
12/12/2024 14:00:00	3.5	3.0	0.0	0.00	0.00	0.00	1.3	NW
12/12/2024 14:01:00	3.5	3.0	0.0	0.00	0.00	0.00	1.1	NE
12/12/2024 14:02:00	3.5	2.9	0.0	0.00	0.00	0.00	1.3	W
12/12/2024 14:03:00	3.4	3.0	0.0	0.00	0.00	0.00	1.2	NE
12/12/2024 14:04:00	3.4	3.0	0.0	0.00	0.00	0.00	1.3	N
12/12/2024 14:05:00	3.4	2.9	0.0	0.00	0.00	0.00	1.4	NNE
12/12/2024 14:06:00	3.4	2.9	0.0	0.00	0.00	0.00	1.6	NNE
12/12/2024 14:07:00	3.4	3.0	0.0	0.00	0.00	0.00	1.8	NNE
12/12/2024 14:08:00	3.5	2.9	0.0	0.00	0.00	0.00	1.7	SSW
12/12/2024 14:09:00	3.3	3.0	0.0	0.00	0.00	0.00	1.9	ENE
12/12/2024 14:10:00	3.2	3.1	0.0	0.00	0.00	0.00	1.7	N
12/12/2024 14:11:00	3.3	3.1	0.0	0.00	0.00	0.00	2.2	NNE
12/12/2024 14:12:00	3.2	3.1	0.0	0.00	0.00	0.00	2.4	NE
12/12/2024 14:13:00	3.1	3.1	0.0	0.00	0.00	0.00	2.5	N
12/12/2024 14:14:00	3.1	3.1	0.0	0.00	0.00	0.00	2.8	N
12/12/2024 14:15:00	3.1	3.1	0.0	0.00	0.00	0.00	2.5	SW
12/12/2024 14:16:00	3.1	3.1	0.0	0.00	0.00	0.00	2.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 14:17:00	3.1	3.1	0.0	0.00	0.00	0.00	2.8	NE
12/12/2024 14:18:00	3.2	3.1	0.0	0.00	0.00	0.00	2.7	N
12/12/2024 14:19:00	3.2	3.1	0.0	0.00	0.00	0.00	2.6	NNE
12/12/2024 14:20:00	3.3	3.2	0.0	0.00	0.00	0.00	2.7	NNE
12/12/2024 14:21:00	3.3	3.1	0.0	0.00	0.00	0.00	2.3	W
12/12/2024 14:22:00	3.3	3.1	0.0	0.00	0.00	0.00	2.5	NNE
12/12/2024 14:23:00	3.3	3.1	0.0	0.00	0.00	0.00	3.0	NNW
12/12/2024 14:24:00	3.4	3.1	0.0	0.00	0.00	0.00	3.1	NW
12/12/2024 14:25:00	3.3	3.1	0.0	0.00	0.00	0.00	2.9	NE
12/12/2024 14:26:00	3.2	3.1	0.0	0.00	0.00	0.00	3.0	NNE
12/12/2024 14:27:00	3.2	3.1	0.0	0.00	0.00	0.00	3.2	NNW
12/12/2024 14:28:00	3.1	3.1	0.0	0.00	0.00	0.00	3.1	NNE
12/12/2024 14:29:00	3.1	3.1	0.0	0.00	0.00	0.00	3.1	NNE
12/12/2024 14:30:00	3.2	3.1	0.0	0.00	0.00	0.00	3.3	WNW
12/12/2024 14:31:00	4.3	3.1	0.0	0.00	0.00	0.00	3.2	W
12/12/2024 14:32:00	6.0	3.1	0.0	0.00	0.00	0.00	3.3	NNW
12/12/2024 14:33:00	7.5	3.1	0.0	0.00	0.00	0.00	3.2	W
12/12/2024 14:34:00	8.0	3.1	0.0	0.00	0.00	0.00	3.2	N
12/12/2024 14:35:00	8.6	3.1	0.0	0.00	0.00	0.00	3.0	N
12/12/2024 14:36:00	8.6	3.5	0.0	0.00	0.00	0.00	3.1	NNE
12/12/2024 14:37:00	9.0	3.5	0.0	0.00	0.00	0.00	3.1	N
12/12/2024 14:38:00	9.3	3.6	0.0	0.00	0.00	0.00	2.9	N
12/12/2024 14:39:00	9.7	3.5	0.0	0.00	0.00	0.00	2.8	WNW
12/12/2024 14:40:00	10.4	3.5	0.0	0.00	0.00	0.00	3.1	N
12/12/2024 14:41:00	10.8	3.5	0.0	0.00	0.00	0.00	2.9	W
12/12/2024 14:42:00	10.8	3.9	0.0	0.00	0.00	0.00	2.6	E
12/12/2024 14:43:00	10.8	4.3	0.0	0.00	0.00	0.00	2.5	ENE
12/12/2024 14:44:00	11.3	4.3	0.0	0.00	0.00	0.00	2.3	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/12/2024 14:45:00	11.7	4.4	0.0	0.00	0.00	0.00	2.2	NNW
12/12/2024 14:46:00	10.9	4.5	0.0	0.00	0.00	0.00	2.2	W
12/12/2024 14:47:00	9.6	4.5	0.0	0.00	0.00	0.00	2.1	NW
12/12/2024 14:48:00	8.5	4.5	0.0	0.00	0.00	0.00	2.1	NNW
12/12/2024 14:49:00	8.3	4.5	0.0	0.00	0.00	0.00	2.3	WNW
12/12/2024 14:50:00	7.8	4.9	0.0	0.00	0.00	0.00	2.4	NNE
12/12/2024 14:51:00	8.1	4.4	0.0	0.00	0.00	0.00	2.5	N
12/12/2024 14:52:00	8.0	4.5	0.0	0.00	0.00	0.00	2.5	N
12/12/2024 14:53:00	7.7	4.8	0.0	0.00	0.00	0.00	2.6	N
12/12/2024 14:54:00	7.3	5.1	0.0	0.00	0.00	0.00	2.3	SSE
12/12/2024 14:55:00	6.7	5.8	0.0	0.00	0.00	0.00	2.0	E
12/12/2024 14:56:00	6.3	6.4	0.0	0.00	0.00	0.00	1.8	S
12/12/2024 14:57:00	6.5	6.5	0.0	0.00	0.00	0.00	1.8	E
12/12/2024 14:58:00	6.9	6.1	0.0	0.00	0.00	0.00	1.9	NNW
12/12/2024 14:59:00	7.1	6.1	0.0	0.00	0.00	0.00	2.1	NW
12/12/2024 15:00:00	7.5	6.0	0.0	0.00	0.00	0.00	2.0	N
12/12/2024 15:01:00	7.5	6.1	0.0	0.00	0.00	0.00	2.2	N
12/12/2024 15:02:00							1.9	WSW
12/12/2024 15:03:00							1.8	W

DAILY FIELD REPORT 167

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 13, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported three truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs] and WC-Structure 5 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon installed four concrete planks in the southwestern part of ABC Block 25 to construct waterfront structures.
- Trevcon installed formwork in the south-central part of ABC Block 25 for a concrete pour around the installed concrete planks.
- Trevcon compacted an about 60-foot-long by 5-foot-wide of No. 57 stone in the south-central part of Block 25 to prepare for concrete plank installation.

Material Tracking:

- No material was imported to the site.
- Trevcon exported three truckloads of non-hazardous fill/soil from waste characterization cells (WC-Structure 4 [0-10 feet bgs] and WC- Structure 5 [0-10 feet bgs]) to Bayshore Soil Management (BSM) in Keasbey, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	3	**86**
	Quantity (CY)	60	**1700**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**

Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were taken today.

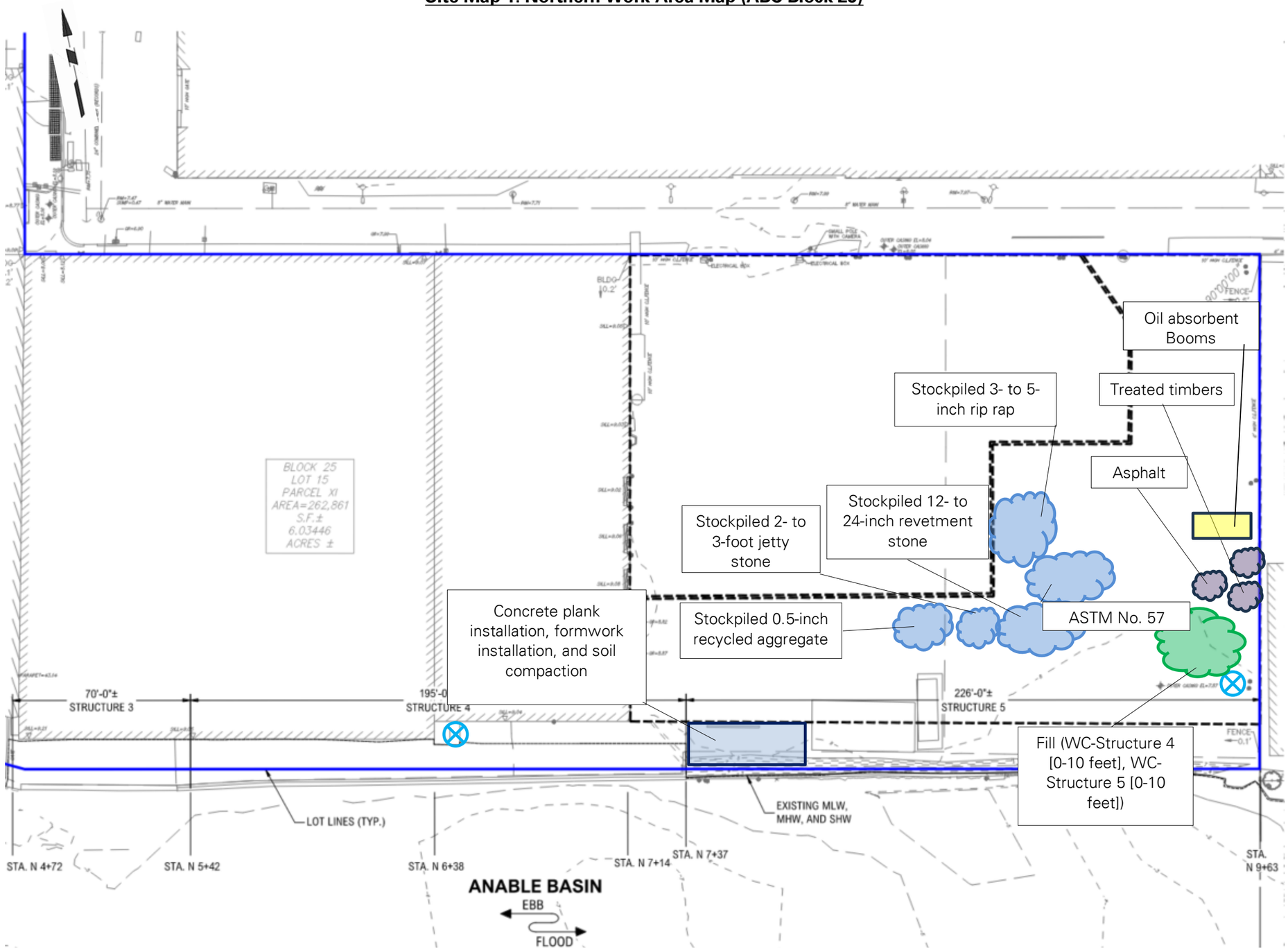
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

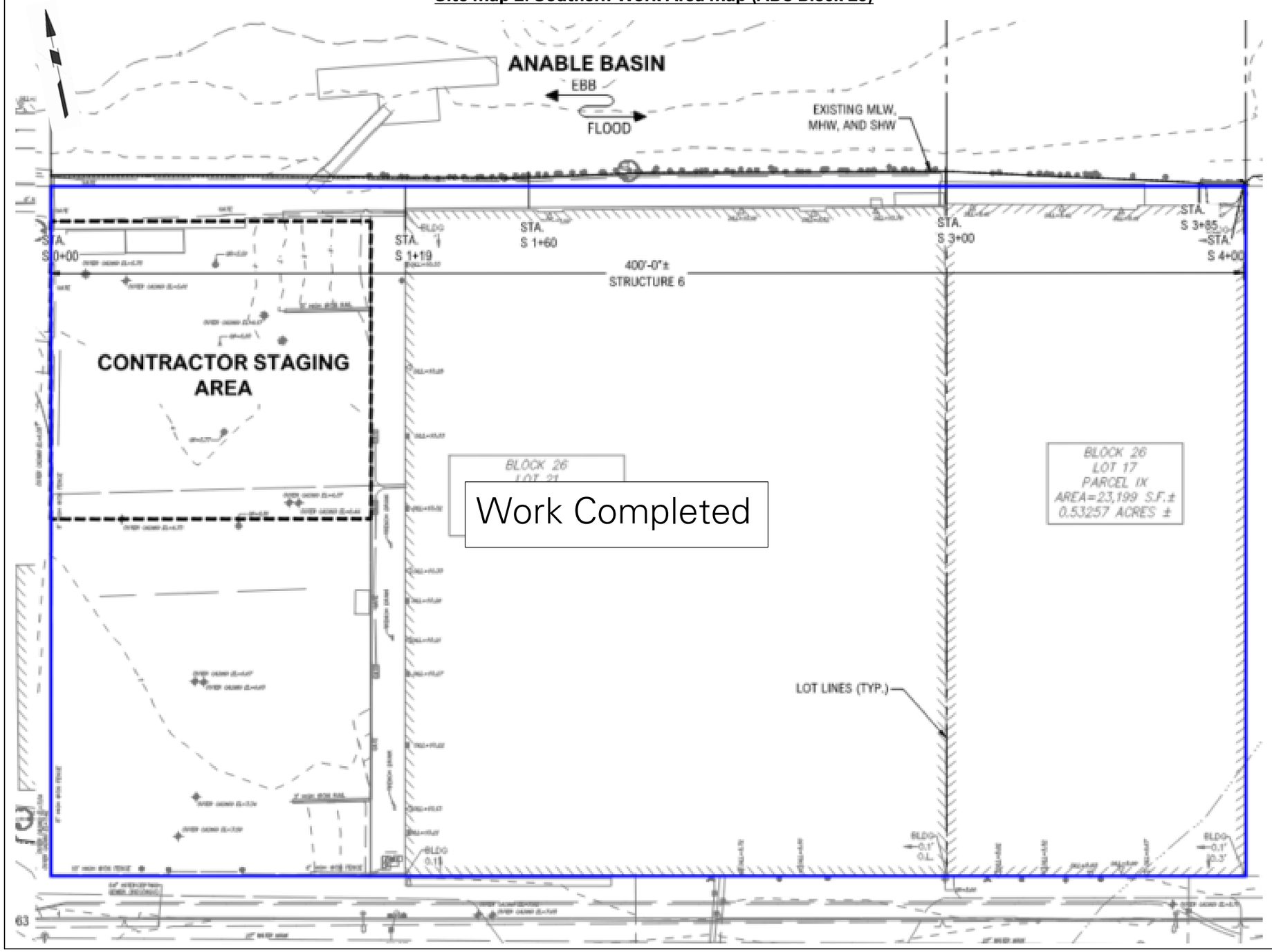


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.13 - Anable Basin Bulkhead Stabilization - Day 16767

Site Map 2: Southern Work Area Map (ABC Block 26)

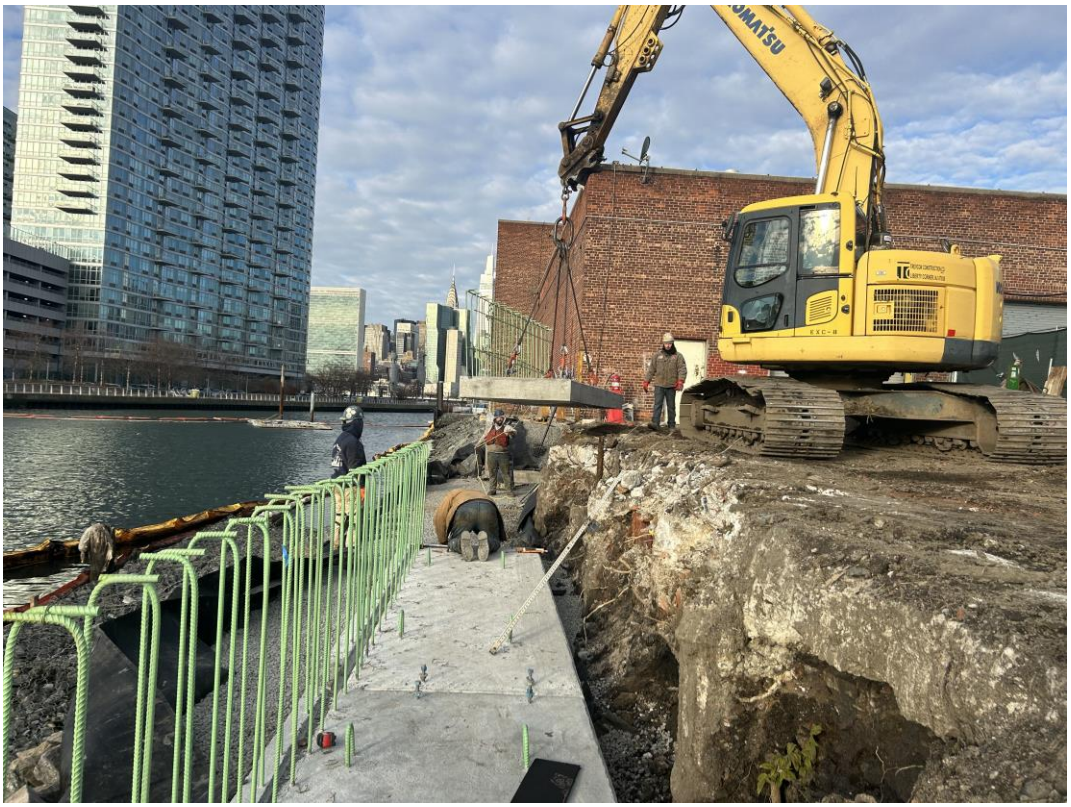


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.13 - Anable Basin Bulkhead Stabilization - Day 16767

Photo Log

Photo 1: Trevcon exporting soil/fill in a truck with a valid Part 364 permit in the south-central part of Block 25 (facing south).	
Photo 2: Trevcon installing concrete planks in the south-central part of ABC Block 25 (facing west).	

File Name: 2024.12.13 - Anable Basin Bulkhead Stabilization - Day 16767

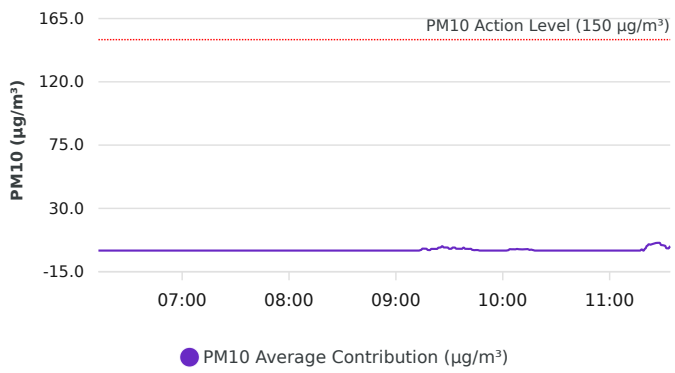
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/13/2024 04:00
		To:	12/13/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/13/2024	0.7-6.9	NNW

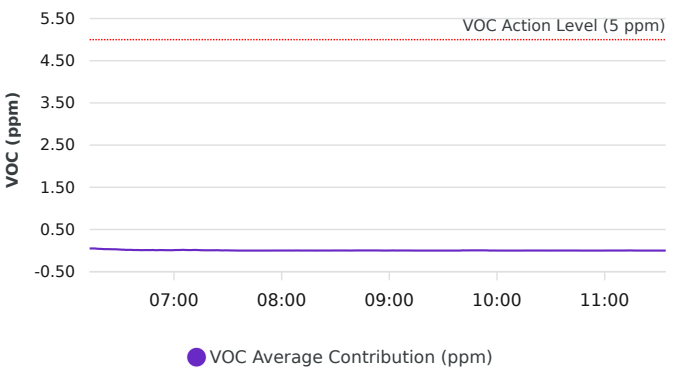
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/13/2024	0.0	06:13	0.00	07:36
Max Contribution (15 min avg.) - 12/13/2024	5.5	11:28	0.05	06:13



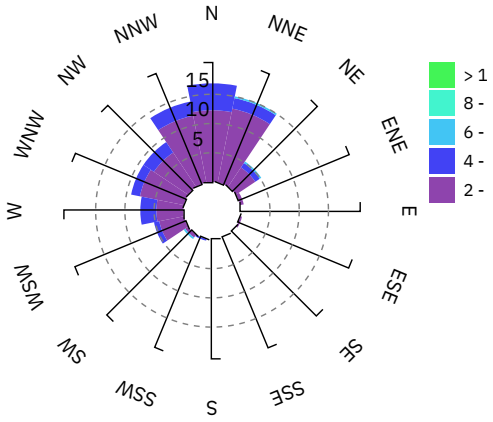
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 06:11:00							2.0	NNW
12/13/2024 06:12:00							2.6	WNW
12/13/2024 06:13:00	75.7	10.0	0.0	0.00	0.05	0.05	3.2	W
12/13/2024 06:14:00	68.9	10.0	0.0	0.00	0.05	0.05	3.4	W
12/13/2024 06:15:00	63.6	10.0	0.0	0.00	0.05	0.05	3.7	WNW
12/13/2024 06:16:00	61.0	10.0	0.0	0.00	0.05	0.05	3.5	NW
12/13/2024 06:17:00	59.4	9.3	0.0	0.00	0.04	0.04	3.2	N
12/13/2024 06:18:00	58.4	9.3	0.0	0.00	0.04	0.04	3.2	WNW
12/13/2024 06:19:00	54.9	8.7	0.0	0.00	0.04	0.04	3.2	WNW
12/13/2024 06:20:00	52.2	8.1	0.0	0.00	0.04	0.04	3.3	NW
12/13/2024 06:21:00	50.3	7.8	0.0	0.00	0.03	0.03	3.4	NNW
12/13/2024 06:22:00	48.7	7.7	0.0	0.00	0.03	0.03	3.3	NNW
12/13/2024 06:23:00	47.4	7.4	0.0	0.00	0.03	0.03	3.3	W
12/13/2024 06:24:00	46.3	7.0	0.0	0.00	0.03	0.03	3.3	NNW
12/13/2024 06:25:00	45.0	6.9	0.0	0.00	0.03	0.03	3.3	NNW
12/13/2024 06:26:00	43.7	6.9	0.0	0.00	0.03	0.03	3.5	NW
12/13/2024 06:27:00	42.8	6.7	0.0	0.00	0.03	0.03	3.5	NW
12/13/2024 06:28:00	39.6	6.3	0.0	0.00	0.03	0.03	3.4	NNW
12/13/2024 06:29:00	37.3	6.1	0.0	0.00	0.03	0.03	3.4	W
12/13/2024 06:30:00	35.5	5.7	0.0	0.00	0.02	0.02	3.2	W
12/13/2024 06:31:00	33.7	5.2	0.0	0.00	0.02	0.02	3.2	W
12/13/2024 06:32:00	31.8	4.9	0.0	0.00	0.02	0.02	3.2	WNW
12/13/2024 06:33:00	28.6	5.9	0.0	0.00	0.02	0.02	3.0	ESE
12/13/2024 06:34:00	28.0	5.8	0.0	0.00	0.02	0.02	2.8	WSW
12/13/2024 06:35:00	27.4	5.7	0.0	0.00	0.02	0.02	2.6	NW
12/13/2024 06:36:00	26.7	5.6	0.0	0.00	0.02	0.02	2.4	N
12/13/2024 06:37:00	24.8	6.7	0.0	0.00	0.02	0.01	2.3	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 06:38:00	24.1	6.8	0.0	0.00	0.02	0.01	2.3	WSW
12/13/2024 06:39:00	23.3	6.8	0.0	0.00	0.02	0.01	2.2	NW
12/13/2024 06:40:00	22.8	6.7	0.0	0.00	0.01	0.01	2.2	NNW
12/13/2024 06:41:00	22.3	6.4	0.0	0.00	0.01	0.01	2.1	NW
12/13/2024 06:42:00	21.8	6.5	0.0	0.00	0.01	0.01	2.1	NNW
12/13/2024 06:43:00	21.2	6.6	0.0	0.00	0.01	0.01	2.2	W
12/13/2024 06:44:00	20.8	6.3	0.0	0.00	0.01	0.01	2.1	WNW
12/13/2024 06:45:00	20.4	6.2	0.0	0.00	0.01	0.01	2.1	NNW
12/13/2024 06:46:00	20.0	6.4	0.0	0.00	0.01	0.01	2.0	NNW
12/13/2024 06:47:00	19.7	6.7	0.0	0.00	0.01	0.01	1.9	NNW
12/13/2024 06:48:00	20.7	5.4	0.0	0.00	0.01	0.01	2.2	NNW
12/13/2024 06:49:00	19.7	6.5	0.0	0.00	0.01	0.01	2.3	NNE
12/13/2024 06:50:00	18.6	7.5	0.0	0.00	0.01	0.01	2.2	NE
12/13/2024 06:51:00	18.2	7.8	0.0	0.00	0.01	0.01	2.3	NNW
12/13/2024 06:52:00	18.9	6.6	0.0	0.00	0.01	0.01	2.2	WNW
12/13/2024 06:53:00	18.5	6.4	0.0	0.00	0.01	0.01	2.2	W
12/13/2024 06:54:00	18.2	6.4	0.0	0.00	0.01	0.01	2.1	WSW
12/13/2024 06:55:00	18.0	6.3	0.0	0.00	0.01	0.01	1.8	SSW
12/13/2024 06:56:00	17.8	6.4	0.0	0.00	0.01	0.01	1.7	N
12/13/2024 06:57:00	17.5	6.6	0.0	0.00	0.01	0.01	1.8	N
12/13/2024 06:58:00	17.2	6.8	0.0	0.00	0.01	0.01	1.9	N
12/13/2024 06:59:00	16.8	7.0	0.0	0.00	0.01	0.01	1.9	NW
12/13/2024 07:00:00	16.6	7.1	0.0	0.00	0.01	0.01	1.9	NW
12/13/2024 07:01:00	16.3	7.0	0.0	0.00	0.01	0.01	1.8	W
12/13/2024 07:02:00	16.0	6.8	0.0	0.00	0.02	0.01	1.8	WNW
12/13/2024 07:03:00	15.7	6.8	0.0	0.00	0.01	0.01	1.7	NW
12/13/2024 07:04:00	16.1	6.1	0.0	0.00	0.02	0.01	1.8	W
12/13/2024 07:05:00	16.6	5.1	0.0	0.00	0.02	0.02	1.9	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 07:06:00	16.4	4.6	0.0	0.00	0.01	0.01	2.0	WNW
12/13/2024 07:07:00	15.4	5.2	0.0	0.00	0.01	0.01	1.9	NNE
12/13/2024 07:08:00	15.2	5.5	0.0	0.00	0.01	0.01	1.9	NW
12/13/2024 07:09:00	14.4	6.3	0.0	0.00	0.01	0.01	1.9	NNE
12/13/2024 07:10:00	14.2	6.3	0.0	0.00	0.01	0.01	2.2	N
12/13/2024 07:11:00	14.0	6.4	0.0	0.00	0.01	0.01	2.2	WNW
12/13/2024 07:12:00	13.9	5.9	0.0	0.00	0.02	0.01	2.1	WSW
12/13/2024 07:13:00	13.1	6.3	0.0	0.00	0.01	0.01	2.0	NNE
12/13/2024 07:14:00	13.0	6.1	0.0	0.00	0.01	0.01	1.9	N
12/13/2024 07:15:00	12.9	6.0	0.0	0.00	0.01	0.01	1.9	N
12/13/2024 07:16:00	12.8	5.9	0.0	0.00	0.01	0.01	1.9	WSW
12/13/2024 07:17:00	12.7	5.8	0.0	0.00	0.01	0.01	1.9	WSW
12/13/2024 07:18:00	12.6	6.1	0.0	0.00	0.01	0.01	1.8	SW
12/13/2024 07:19:00	12.5	6.6	0.0	0.00	0.01	0.01	1.7	W
12/13/2024 07:20:00	12.4	6.9	0.0	0.00	0.01	0.01	1.6	NNW
12/13/2024 07:21:00	12.4	7.2	0.0	0.00	0.01	0.01	1.6	N
12/13/2024 07:22:00	13.0	6.4	0.0	0.00	0.01	0.01	1.8	N
12/13/2024 07:23:00	12.2	6.9	0.0	0.00	0.01	0.01	1.5	ESE
12/13/2024 07:24:00	12.8	6.1	0.0	0.00	0.01	0.01	1.5	NW
12/13/2024 07:25:00	12.8	6.2	0.0	0.00	0.01	0.01	1.5	N
12/13/2024 07:26:00	12.0	6.9	0.0	0.00	0.01	0.01	1.5	N
12/13/2024 07:27:00	11.1	7.6	0.0	0.00	0.01	0.00	1.6	NNE
12/13/2024 07:28:00	11.9	6.8	0.0	0.00	0.01	0.01	1.6	WNW
12/13/2024 07:29:00	11.9	6.8	0.0	0.00	0.01	0.01	1.7	WNW
12/13/2024 07:30:00	11.7	6.8	0.0	0.00	0.01	0.01	1.6	N
12/13/2024 07:31:00	11.6	6.8	0.0	0.00	0.01	0.00	1.6	SW
12/13/2024 07:32:00	11.5	6.8	0.0	0.00	0.01	0.00	1.8	NNW
12/13/2024 07:33:00	11.3	6.3	0.0	0.00	0.00	0.00	2.1	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 07:34:00	11.2	5.5	0.0	0.00	0.00	0.00	2.4	NW
12/13/2024 07:35:00	10.5	5.8	0.0	0.00	0.00	0.00	2.5	NNE
12/13/2024 07:36:00	9.7	6.3	0.0	0.00	0.00	0.00	2.4	NNE
12/13/2024 07:37:00	9.7	6.3	0.0	0.00	0.00	0.00	2.3	N
12/13/2024 07:38:00	10.4	5.5	0.0	0.00	0.00	0.00	2.4	WSW
12/13/2024 07:39:00	10.2	5.5	0.0	0.00	0.00	0.00	2.3	WSW
12/13/2024 07:40:00	9.4	6.0	0.0	0.00	0.00	0.00	2.2	NNE
12/13/2024 07:41:00	10.1	5.2	0.0	0.00	0.00	0.00	2.1	W
12/13/2024 07:42:00	10.7	4.5	0.0	0.00	0.00	0.00	2.1	NNW
12/13/2024 07:43:00	10.6	4.8	0.0	0.00	0.00	0.00	2.0	NW
12/13/2024 07:44:00	10.6	4.9	0.0	0.00	0.00	0.00	2.0	N
12/13/2024 07:45:00	10.8	4.9	0.0	0.00	0.00	0.00	2.0	WNW
12/13/2024 07:46:00	10.7	4.8	0.0	0.00	0.00	0.00	2.0	SW
12/13/2024 07:47:00	10.6	4.8	0.0	0.00	0.00	0.00	1.8	W
12/13/2024 07:48:00	10.7	4.7	0.0	0.00	0.00	0.00	1.7	WSW
12/13/2024 07:49:00	9.9	5.3	0.0	0.00	0.00	0.00	1.3	S
12/13/2024 07:50:00	10.6	4.6	0.0	0.00	0.00	0.00	1.5	NNW
12/13/2024 07:51:00	11.4	3.8	0.0	0.00	0.00	0.00	1.6	W
12/13/2024 07:52:00	11.4	3.8	0.0	0.00	0.00	0.00	1.7	NNW
12/13/2024 07:53:00	11.5	3.7	0.0	0.00	0.00	0.00	1.7	N
12/13/2024 07:54:00	10.8	4.4	0.0	0.00	0.00	0.00	1.7	NNE
12/13/2024 07:55:00	11.5	3.7	0.0	0.00	0.00	0.00	1.6	WSW
12/13/2024 07:56:00	11.5	3.6	0.0	0.00	0.00	0.00	1.7	NNW
12/13/2024 07:57:00	10.8	4.3	0.0	0.00	0.00	0.00	1.6	NNE
12/13/2024 07:58:00	10.8	4.0	0.0	0.00	0.00	0.00	1.6	NW
12/13/2024 07:59:00	10.7	4.0	0.0	0.00	0.00	0.00	1.6	WNW
12/13/2024 08:00:00	10.5	4.0	0.0	0.00	0.00	0.00	1.4	WSW
12/13/2024 08:01:00	10.5	4.0	0.0	0.00	0.00	0.00	1.5	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 08:02:00	10.5	4.0	0.0	0.00	0.00	0.00	1.6	NNW
12/13/2024 08:03:00	10.4	4.1	0.0	0.00	0.00	0.00	1.7	WNW
12/13/2024 08:04:00	11.0	3.4	0.0	0.00	0.00	0.00	1.9	NNW
12/13/2024 08:05:00	10.3	4.0	0.0	0.00	0.00	0.00	1.7	NNE
12/13/2024 08:06:00	9.4	4.5	0.0	0.00	0.00	0.00	1.7	NE
12/13/2024 08:07:00	9.3	4.5	0.0	0.00	0.00	0.00	1.7	NNW
12/13/2024 08:08:00	9.1	4.6	0.0	0.00	0.00	0.00	1.8	NNW
12/13/2024 08:09:00	9.7	3.8	0.0	0.00	0.00	0.00	1.7	N
12/13/2024 08:10:00	9.6	3.9	0.0	0.00	0.00	0.00	1.8	NW
12/13/2024 08:11:00	9.4	3.9	0.0	0.00	0.00	0.00	1.8	WNW
12/13/2024 08:12:00	10.0	3.2	0.0	0.00	0.00	0.00	2.0	NNW
12/13/2024 08:13:00	9.9	3.2	0.0	0.00	0.00	0.00	2.0	WNW
12/13/2024 08:14:00	9.8	3.1	0.0	0.00	0.00	0.00	2.2	N
12/13/2024 08:15:00	9.7	3.1	0.0	0.00	0.00	0.00	2.4	NW
12/13/2024 08:16:00	9.6	3.1	0.0	0.00	0.00	0.00	2.7	WNW
12/13/2024 08:17:00	9.5	3.0	0.0	0.00	0.00	0.00	2.8	NW
12/13/2024 08:18:00	9.5	2.9	0.0	0.00	0.00	0.00	3.0	NNW
12/13/2024 08:19:00	9.4	2.9	0.0	0.00	0.00	0.00	3.1	NNW
12/13/2024 08:20:00	10.1	2.3	0.0	0.00	0.00	0.00	3.1	NNW
12/13/2024 08:21:00	10.7	1.8	0.0	0.00	0.00	0.00	3.2	NNW
12/13/2024 08:22:00	10.7	1.9	0.0	0.00	0.00	0.00	3.3	N
12/13/2024 08:23:00	10.6	1.8	0.0	0.00	0.00	0.00	3.4	NW
12/13/2024 08:24:00	10.6	2.0	0.0	0.00	0.00	0.00	3.3	WSW
12/13/2024 08:25:00	10.0	2.6	0.0	0.00	0.00	0.00	3.2	NNE
12/13/2024 08:26:00	9.9	2.6	0.0	0.00	0.00	0.00	3.3	N
12/13/2024 08:27:00	9.9	2.5	0.0	0.00	0.00	0.00	3.3	NW
12/13/2024 08:28:00	10.0	2.6	0.0	0.00	0.00	0.00	3.3	W
12/13/2024 08:29:00	10.0	2.7	0.0	0.00	0.00	0.00	3.1	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 08:30:00	9.9	2.7	0.0	0.00	0.00	0.00	3.2	NW
12/13/2024 08:31:00	9.9	2.7	0.0	0.00	0.00	0.00	3.1	WNW
12/13/2024 08:32:00	9.9	2.8	0.0	0.00	0.00	0.00	2.9	NNW
12/13/2024 08:33:00	9.8	2.8	0.0	0.00	0.00	0.00	2.8	W
12/13/2024 08:34:00	9.8	2.8	0.0	0.00	0.00	0.00	2.7	WSW
12/13/2024 08:35:00	9.8	2.8	0.0	0.00	0.00	0.00	2.8	W
12/13/2024 08:36:00	9.7	2.7	0.0	0.00	0.00	0.00	2.8	NW
12/13/2024 08:37:00	9.6	2.7	0.0	0.00	0.00	0.00	2.8	NNW
12/13/2024 08:38:00	9.1	3.2	0.0	0.00	0.00	0.00	2.6	NNE
12/13/2024 08:39:00	9.0	3.0	0.0	0.00	0.00	0.00	2.6	NNW
12/13/2024 08:40:00	9.5	2.5	0.0	0.00	0.00	0.00	2.9	NW
12/13/2024 08:41:00	9.4	2.5	0.0	0.00	0.00	0.00	2.9	N
12/13/2024 08:42:00	9.3	2.5	0.0	0.00	0.00	0.00	3.0	NNW
12/13/2024 08:43:00	9.2	2.3	0.0	0.00	0.00	0.00	3.0	WNW
12/13/2024 08:44:00	8.6	2.7	0.0	0.00	0.00	0.00	3.1	NNE
12/13/2024 08:45:00	8.6	2.8	0.0	0.00	0.00	0.00	3.1	NNW
12/13/2024 08:46:00	8.5	3.0	0.0	0.00	0.00	0.00	3.1	W
12/13/2024 08:47:00	8.1	3.5	0.0	0.00	0.00	0.00	3.1	NNE
12/13/2024 08:48:00	8.1	4.0	0.0	0.00	0.00	0.00	3.1	W
12/13/2024 08:49:00	8.0	4.0	0.0	0.00	0.00	0.00	3.1	W
12/13/2024 08:50:00	7.9	4.0	0.0	0.00	0.00	0.00	3.3	WNW
12/13/2024 08:51:00	7.9	4.0	0.0	0.00	0.00	0.00	3.3	W
12/13/2024 08:52:00	7.8	4.0	0.0	0.00	0.00	0.00	3.2	NNW
12/13/2024 08:53:00	8.3	3.4	0.0	0.00	0.00	0.00	3.3	WNW
12/13/2024 08:54:00	8.3	3.4	0.0	0.00	0.00	0.00	3.3	W
12/13/2024 08:55:00	8.2	3.4	0.0	0.00	0.00	0.00	3.2	N
12/13/2024 08:56:00	8.2	3.4	0.0	0.00	0.00	0.00	3.2	NNW
12/13/2024 08:57:00	8.1	3.4	0.0	0.00	0.00	0.00	3.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 08:58:00	8.1	3.4	0.0	0.00	0.00	0.00	2.9	N
12/13/2024 08:59:00	8.6	2.9	0.0	0.00	0.00	0.00	2.9	NNW
12/13/2024 09:00:00	8.6	2.8	0.0	0.00	0.00	0.00	2.8	N
12/13/2024 09:01:00	8.5	2.6	0.0	0.00	0.00	0.00	2.7	N
12/13/2024 09:02:00	8.8	2.2	0.0	0.00	0.00	0.00	2.6	N
12/13/2024 09:03:00	8.3	2.0	0.0	0.00	0.00	0.00	2.6	N
12/13/2024 09:04:00	7.7	2.5	0.0	0.00	0.00	0.00	2.7	NNE
12/13/2024 09:05:00	7.7	2.5	0.0	0.00	0.00	0.00	2.7	N
12/13/2024 09:06:00	7.2	2.9	0.0	0.00	0.00	0.00	2.9	NE
12/13/2024 09:07:00	6.7	3.3	0.0	0.00	0.00	0.00	2.8	NNE
12/13/2024 09:08:00	6.6	3.4	0.0	0.00	0.00	0.00	2.9	N
12/13/2024 09:09:00	6.6	3.4	0.0	0.00	0.00	0.00	3.2	N
12/13/2024 09:10:00	6.2	3.9	0.0	0.00	0.00	0.00	3.1	ENE
12/13/2024 09:11:00	6.2	3.9	0.0	0.00	0.00	0.00	3.0	N
12/13/2024 09:12:00	5.7	4.3	0.0	0.00	0.00	0.00	3.0	NNE
12/13/2024 09:13:00	5.3	4.7	0.0	0.00	0.00	0.00	2.8	NE
12/13/2024 09:14:00	4.7	5.2	0.4	0.00	0.00	0.00	2.9	NNE
12/13/2024 09:15:00	4.2	5.6	1.4	0.00	0.00	0.00	2.9	N
12/13/2024 09:16:00	4.2	5.6	1.4	0.00	0.00	0.00	2.9	NNW
12/13/2024 09:17:00	4.2	5.5	1.3	0.00	0.00	0.00	2.9	NNW
12/13/2024 09:18:00	4.7	5.1	0.4	0.00	0.00	0.00	2.8	N
12/13/2024 09:19:00	4.7	5.0	0.3	0.00	0.00	0.00	2.6	NE
12/13/2024 09:20:00	4.2	5.4	1.2	0.00	0.00	0.00	2.4	NNE
12/13/2024 09:21:00	4.2	5.4	1.2	0.00	0.00	0.00	2.3	NNE
12/13/2024 09:22:00	4.2	5.4	1.2	0.00	0.00	0.00	2.4	NNE
12/13/2024 09:23:00	4.2	5.3	1.2	0.00	0.00	0.00	2.4	NNW
12/13/2024 09:24:00	3.7	5.8	2.1	0.00	0.00	0.00	2.3	NNE
12/13/2024 09:25:00	3.6	5.8	2.2	0.00	0.00	0.00	2.3	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 09:26:00	3.1	6.2	3.1	0.00	0.00	0.00	2.3	NNE
12/13/2024 09:27:00	3.5	5.8	2.2	0.00	0.00	0.00	2.2	NW
12/13/2024 09:28:00	3.6	5.8	2.2	0.00	0.00	0.00	2.1	NNE
12/13/2024 09:29:00	3.6	5.8	2.2	0.00	0.00	0.00	2.1	NNE
12/13/2024 09:30:00	4.0	5.3	1.3	0.00	0.00	0.00	2.1	NW
12/13/2024 09:31:00	4.0	5.3	1.3	0.00	0.00	0.00	2.0	WNW
12/13/2024 09:32:00	3.6	5.8	2.1	0.00	0.00	0.00	2.0	NNE
12/13/2024 09:33:00	3.6	5.8	2.1	0.00	0.00	0.00	2.2	N
12/13/2024 09:34:00	4.1	5.4	1.3	0.00	0.00	0.00	2.3	N
12/13/2024 09:35:00	4.1	5.4	1.3	0.00	0.00	0.00	2.2	NE
12/13/2024 09:36:00	4.1	5.4	1.3	0.00	0.00	0.00	2.2	NNE
12/13/2024 09:37:00	4.1	5.4	1.3	0.00	0.00	0.00	2.2	NE
12/13/2024 09:38:00	3.8	5.8	2.1	0.00	0.00	0.00	2.2	NNE
12/13/2024 09:39:00	4.2	5.4	1.2	0.00	0.00	0.00	2.2	NW
12/13/2024 09:40:00	4.2	5.4	1.2	0.00	0.00	0.00	2.3	NNE
12/13/2024 09:41:00	4.3	5.4	1.2	0.00	0.01	0.01	2.3	NNE
12/13/2024 09:42:00	4.2	5.5	1.3	0.00	0.01	0.00	2.3	NW
12/13/2024 09:43:00	4.6	5.1	0.5	0.00	0.01	0.00	2.3	NNW
12/13/2024 09:44:00	4.8	5.0	0.3	0.00	0.01	0.00	2.5	NNE
12/13/2024 09:45:00	4.7	5.1	0.4	0.00	0.01	0.01	2.7	NNW
12/13/2024 09:46:00	4.8	5.2	0.4	0.00	0.01	0.01	2.8	N
12/13/2024 09:47:00	5.2	4.8	0.0	0.00	0.01	0.01	2.8	N
12/13/2024 09:48:00	5.2	4.8	0.0	0.00	0.01	0.01	2.7	NW
12/13/2024 09:49:00	5.2	4.8	0.0	0.00	0.01	0.01	2.7	NNW
12/13/2024 09:50:00	5.2	4.8	0.0	0.00	0.01	0.01	2.9	NNE
12/13/2024 09:51:00	5.3	4.8	0.0	0.00	0.01	0.01	3.1	NNE
12/13/2024 09:52:00	5.6	4.5	0.0	0.00	0.01	0.01	3.1	N
12/13/2024 09:53:00	6.0	4.2	0.0	0.00	0.01	0.01	3.0	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 09:54:00	5.7	4.7	0.0	0.00	0.01	0.01	3.2	NNE
12/13/2024 09:55:00	5.7	4.6	0.0	0.00	0.00	0.00	3.2	NNE
12/13/2024 09:56:00	5.6	4.6	0.0	0.00	0.00	0.00	3.2	NNE
12/13/2024 09:57:00	5.7	4.6	0.0	0.00	0.00	0.00	3.2	N
12/13/2024 09:58:00	5.7	4.5	0.0	0.00	0.00	0.00	3.2	NW
12/13/2024 09:59:00	5.9	4.2	0.0	0.00	0.00	0.00	3.0	NW
12/13/2024 10:00:00	5.5	4.5	0.0	0.00	0.00	0.00	2.9	NNE
12/13/2024 10:01:00	5.4	4.5	0.0	0.00	0.00	0.00	2.9	N
12/13/2024 10:02:00	5.2	4.8	0.0	0.00	0.00	0.00	2.8	NE
12/13/2024 10:03:00	4.9	5.2	0.3	0.00	0.00	0.00	2.9	NNE
12/13/2024 10:04:00	4.5	5.5	1.0	0.00	0.00	0.00	2.9	NNE
12/13/2024 10:05:00	4.6	5.5	0.9	0.00	0.00	0.00	2.9	NE
12/13/2024 10:06:00	4.5	5.5	0.9	0.00	0.00	0.00	3.0	NE
12/13/2024 10:07:00	4.5	5.4	0.9	0.00	0.00	0.00	2.8	WNW
12/13/2024 10:08:00	4.5	5.7	1.2	0.00	0.00	0.00	2.9	N
12/13/2024 10:09:00	4.6	5.5	1.0	0.00	0.00	0.00	2.7	ENE
12/13/2024 10:10:00	4.6	5.5	0.9	0.00	0.00	0.00	2.7	NE
12/13/2024 10:11:00	4.6	5.5	0.8	0.00	0.00	0.00	2.7	NNE
12/13/2024 10:12:00	4.5	5.5	0.9	0.00	0.00	0.00	2.7	NNW
12/13/2024 10:13:00	4.5	5.5	1.0	0.00	0.00	0.00	2.8	NNW
12/13/2024 10:14:00	4.4	5.5	1.1	0.00	0.00	0.00	2.9	NNW
12/13/2024 10:15:00	4.8	5.3	0.5	0.00	0.00	0.00	2.8	NNW
12/13/2024 10:16:00	4.7	5.4	0.7	0.00	0.00	0.00	2.8	WNW
12/13/2024 10:17:00	4.8	5.2	0.3	0.00	0.00	0.00	2.7	NW
12/13/2024 10:18:00	5.0	5.0	0.0	0.00	0.00	0.00	2.5	NNW
12/13/2024 10:19:00	5.1	4.9	0.0	0.00	0.00	0.00	2.6	NE
12/13/2024 10:20:00	5.2	4.9	0.0	0.00	0.00	0.00	2.5	NNE
12/13/2024 10:21:00	5.5	4.7	0.0	0.00	0.00	0.00	2.1	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 10:22:00	5.5	4.9	0.0	0.00	0.00	0.00	2.0	W
12/13/2024 10:23:00	5.5	4.8	0.0	0.00	0.00	0.00	2.2	N
12/13/2024 10:24:00	5.6	4.8	0.0	0.00	0.00	0.00	2.3	NE
12/13/2024 10:25:00	5.8	4.8	0.0	0.00	0.00	0.00	2.2	NE
12/13/2024 10:26:00	8.0	4.7	0.0	0.00	0.00	0.00	2.3	N
12/13/2024 10:27:00	8.7	5.1	0.0	0.00	0.00	0.00	2.0	WSW
12/13/2024 10:28:00	9.5	5.4	0.0	0.00	0.00	0.00	2.0	NW
12/13/2024 10:29:00	10.4	5.5	0.0	0.00	0.00	0.00	1.8	N
12/13/2024 10:30:00	10.5	5.5	0.0	0.00	0.00	0.00	1.8	N
12/13/2024 10:31:00	10.6	5.7	0.0	0.00	0.00	0.00	1.8	WNW
12/13/2024 10:32:00	12.8	5.9	0.0	0.00	0.00	0.00	1.7	WSW
12/13/2024 10:33:00	14.7	6.3	0.0	0.00	0.00	0.00	1.6	WSW
12/13/2024 10:34:00	15.5	6.5	0.0	0.00	0.00	0.00	1.6	WNW
12/13/2024 10:35:00	16.6	6.5	0.0	0.00	0.00	0.00	1.8	WNW
12/13/2024 10:36:00	16.8	6.7	0.0	0.00	0.00	0.00	1.9	W
12/13/2024 10:37:00	16.9	6.7	0.0	0.00	0.00	0.00	2.0	WSW
12/13/2024 10:38:00	16.9	6.5	0.0	0.00	0.00	0.00	2.0	W
12/13/2024 10:39:00	20.8	6.4	0.0	0.00	0.00	0.00	2.3	NNW
12/13/2024 10:40:00	20.8	9.7	0.0	0.00	0.00	0.00	2.3	NNE
12/13/2024 10:41:00	20.0	9.7	0.0	0.00	0.00	0.00	2.2	N
12/13/2024 10:42:00	20.6	9.4	0.0	0.00	0.00	0.00	2.3	NW
12/13/2024 10:43:00	20.1	9.3	0.0	0.00	0.00	0.00	2.3	NNW
12/13/2024 10:44:00	19.4	9.3	0.0	0.00	0.00	0.00	2.5	NW
12/13/2024 10:45:00	19.4	9.3	0.0	0.00	0.00	0.00	2.5	NNW
12/13/2024 10:46:00	19.2	9.5	0.0	0.00	0.00	0.00	2.2	NE
12/13/2024 10:47:00	16.9	10.3	0.0	0.00	0.00	0.00	2.2	NNE
12/13/2024 10:48:00	15.0	11.6	0.0	0.00	0.00	0.00	2.2	NNE
12/13/2024 10:49:00	14.1	13.2	0.0	0.00	0.00	0.00	2.3	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 10:50:00	17.7	13.2	0.0	0.00	0.00	0.00	2.2	WSW
12/13/2024 10:51:00	19.6	13.3	0.0	0.00	0.00	0.00	2.3	NW
12/13/2024 10:52:00	19.5	14.0	0.0	0.00	0.00	0.00	2.3	NE
12/13/2024 10:53:00	19.2	14.9	0.0	0.00	0.00	0.00	2.5	NNE
12/13/2024 10:54:00	15.8	14.9	0.0	0.00	0.00	0.00	2.5	N
12/13/2024 10:55:00	16.2	11.3	0.0	0.00	0.00	0.00	2.6	NNW
12/13/2024 10:56:00	15.3	11.4	0.0	0.00	0.00	0.00	2.5	N
12/13/2024 10:57:00	14.2	11.4	0.0	0.00	0.00	0.00	2.6	N
12/13/2024 10:58:00	14.0	11.4	0.0	0.00	0.00	0.00	2.4	W
12/13/2024 10:59:00	13.8	11.4	0.0	0.00	0.00	0.00	2.2	W
12/13/2024 11:00:00	13.6	11.7	0.0	0.00	0.00	0.00	2.2	NE
12/13/2024 11:01:00	13.8	11.4	0.0	0.00	0.00	0.00	2.1	NW
12/13/2024 11:02:00	14.0	10.3	0.0	0.00	0.00	0.00	1.8	SW
12/13/2024 11:03:00	15.0	8.7	0.0	0.00	0.00	0.00	1.7	WSW
12/13/2024 11:04:00	15.9	6.9	0.0	0.00	0.00	0.00	1.7	NW
12/13/2024 11:05:00	11.3	7.3	0.0	0.00	0.00	0.00	1.7	NNE
12/13/2024 11:06:00	9.4	7.1	0.0	0.00	0.00	0.00	1.7	NW
12/13/2024 11:07:00	9.4	6.4	0.0	0.00	0.00	0.00	1.9	NW
12/13/2024 11:08:00	9.6	5.5	0.0	0.00	0.00	0.00	1.8	NNW
12/13/2024 11:09:00	9.2	5.5	0.0	0.00	0.00	0.00	1.8	WNW
12/13/2024 11:10:00	9.0	5.5	0.0	0.00	0.00	0.00	1.8	WNW
12/13/2024 11:11:00	8.8	5.4	0.0	0.00	0.00	0.00	1.8	N
12/13/2024 11:12:00	8.6	5.4	0.0	0.00	0.00	0.00	1.8	N
12/13/2024 11:13:00	8.5	5.3	0.0	0.00	0.00	0.00	1.8	NW
12/13/2024 11:14:00	9.6	5.3	0.0	0.00	0.00	0.00	1.8	NNW
12/13/2024 11:15:00	9.6	7.0	0.0	0.00	0.00	0.00	1.8	NE
12/13/2024 11:16:00	9.4	8.0	0.0	0.00	0.00	0.00	1.8	NNE
12/13/2024 11:17:00	9.1	8.4	0.0	0.00	0.00	0.00	1.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/13/2024 11:18:00	8.0	8.8	0.8	0.00	0.00	0.00	2.0	NNE
12/13/2024 11:19:00	8.8	8.7	0.0	0.00	0.00	0.00	2.0	N
12/13/2024 11:20:00	8.8	10.2	1.4	0.00	0.00	0.00	2.1	NNE
12/13/2024 11:21:00	8.5	11.8	3.4	0.00	0.00	0.00	2.1	NNE
12/13/2024 11:22:00	8.3	12.7	4.5	0.01	0.00	0.00	2.1	NE
12/13/2024 11:23:00	8.5	12.7	4.2	0.01	0.00	0.00	2.0	WNW
12/13/2024 11:24:00	8.3	12.9	4.6	0.01	0.00	0.00	2.0	NNE
12/13/2024 11:25:00	8.1	13.2	5.0	0.01	0.00	0.00	2.0	NE
12/13/2024 11:26:00	8.0	13.4	5.4	0.01	0.00	0.00	2.0	NE
12/13/2024 11:27:00	8.0	13.5	5.5	0.01	0.00	0.00	2.0	N
12/13/2024 11:28:00	8.2	13.7	5.5	0.01	0.00	0.00	2.2	N
12/13/2024 11:29:00	10.0	13.9	3.9	0.01	0.00	0.00	2.1	WNW
12/13/2024 11:30:00	10.2	14.0	3.8	0.01	0.00	0.00	2.1	NE
12/13/2024 11:31:00	10.3	13.7	3.5	0.01	0.00	0.00	2.3	NNE
12/13/2024 11:32:00	11.9	13.6	1.6	0.01	0.00	0.00	2.2	N
12/13/2024 11:33:00	12.1	13.6	1.6	0.01	0.00	0.00	2.2	NE
12/13/2024 11:34:00	10.7	13.7	3.0	0.01	0.00	0.00	2.2	N
12/13/2024 11:35:00							2.0	W
12/13/2024 11:36:00							1.6	WSW

DAILY FIELD REPORT 168

Prepared By: LANGAN

WEATHER	Snow		Rain	**X**	Overcast		Partly Cloudy		Sunny	
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 16, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported concrete using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.
- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs] and WC-Structure 5 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon poured concrete to form vertical walls in the south-central parts of ABC Block 25.
- Trevcon installed formwork in the south-central part of ABC Block 25 for a concrete pour around the installed concrete planks.

Material Tracking:

- No material was imported to the site.
- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cells (WC-Structure 4 [0-10 feet bgs] and WC- Structure 5 [0-10 feet bgs]) to Bayshore Soil Management (BSM) in Keasbey, NJ.
- Trevcon exported 1 truckload of concrete to Allocco Recycling in Brooklyn, NY.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	1	**87**
	Quantity (CY)	20	**1720**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**

Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were taken today.

Air Monitoring:

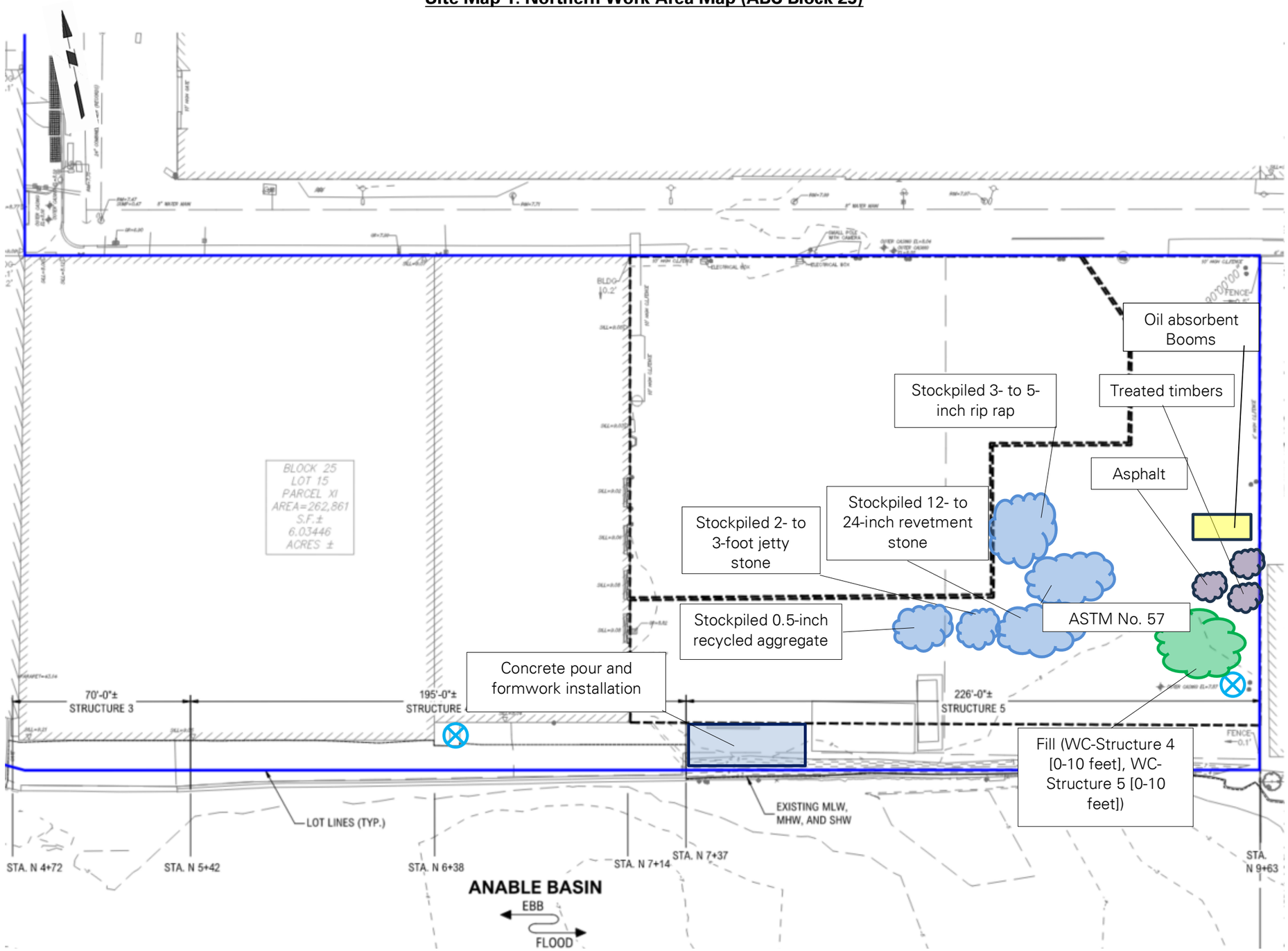
- CAMP was not initiated for the day because of sustained precipitation.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

File Name: 2024.12.16 - Anable Basin Bulkhead Stabilization - Day 16868

Site Map 1: Northern Work Area Map (ABC Block 25)

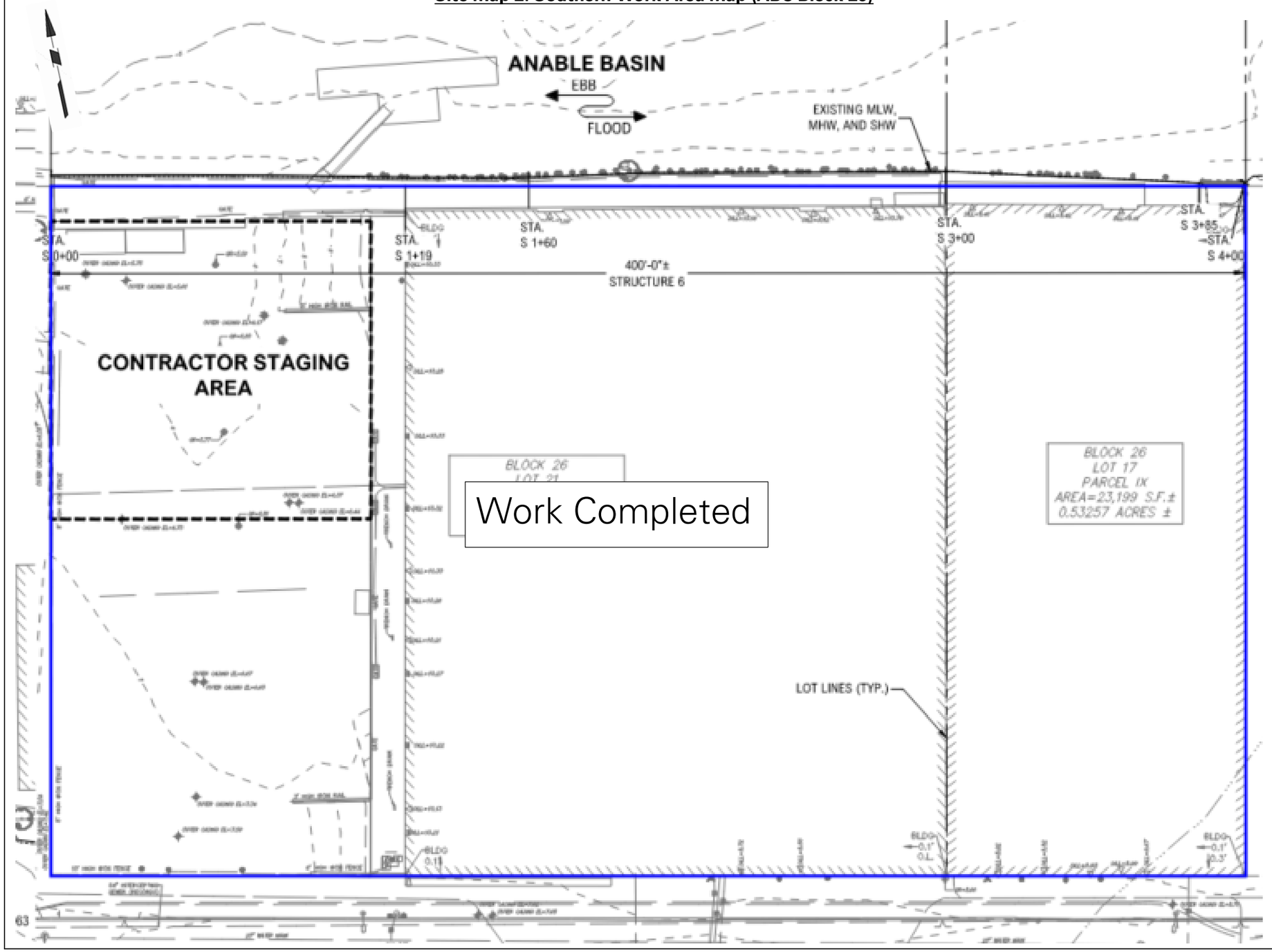


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.16 - Anable Basin Bulkhead Stabilization - Day 16868

Site Map 2: Southern Work Area Map (ABC Block 26)

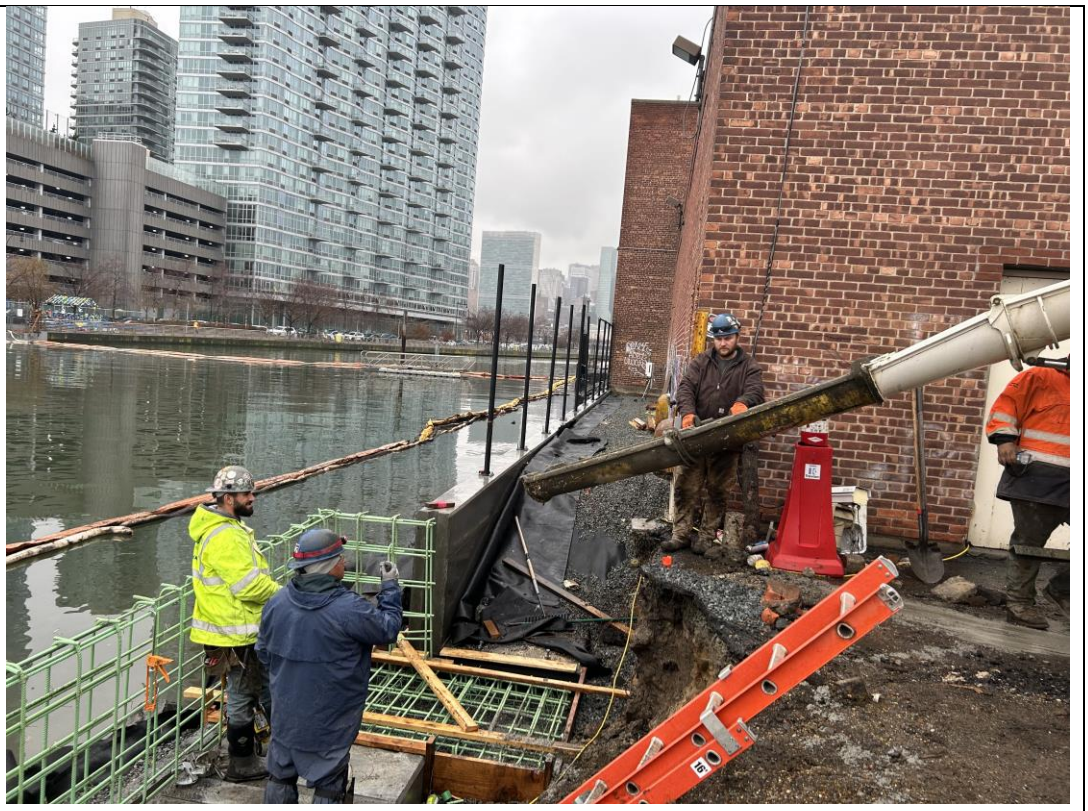


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.16 - Anable Basin Bulkhead Stabilization - Day 16868

Photo Log

Photo 1: Trevcon pouring concrete in the south-central part of Block 25 (facing southwest).	
Photo 2: Trevcon exporting concrete in the north-eastern part of ABC Block 25 (facing south).	

File Name: 2024.12.16 - Anable Basin Bulkhead Stabilization - Day 16868

DAILY FIELD REPORT 169

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 17, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported concrete using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.
- Trevcon exported creosote-treated timbers using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.
- Trevcon poured concrete to form vertical walls in the south-central parts of ABC Block 25.
- Trevcon installed formwork in the south-central part of ABC Block 25 for a concrete pour around the installed concrete planks.

Material Tracking:

- No material was imported to the site.
- Trevcon exported one truckload of concrete to Allocco Recycling in Brooklyn, NY.
- Trevcon exported one truckload of creosote-treated to Westside Transload LLC.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**87**
	Quantity (CY)	0	**1720**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc	400	**No. Loads**	0	**2**

Bridgewater, NJ 2- to 3-Foot Jetty Stone		**Quantity (CY)**	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**9**
		Quantity (CY)	0	**180**

Samples Collected:

- No samples were taken today.

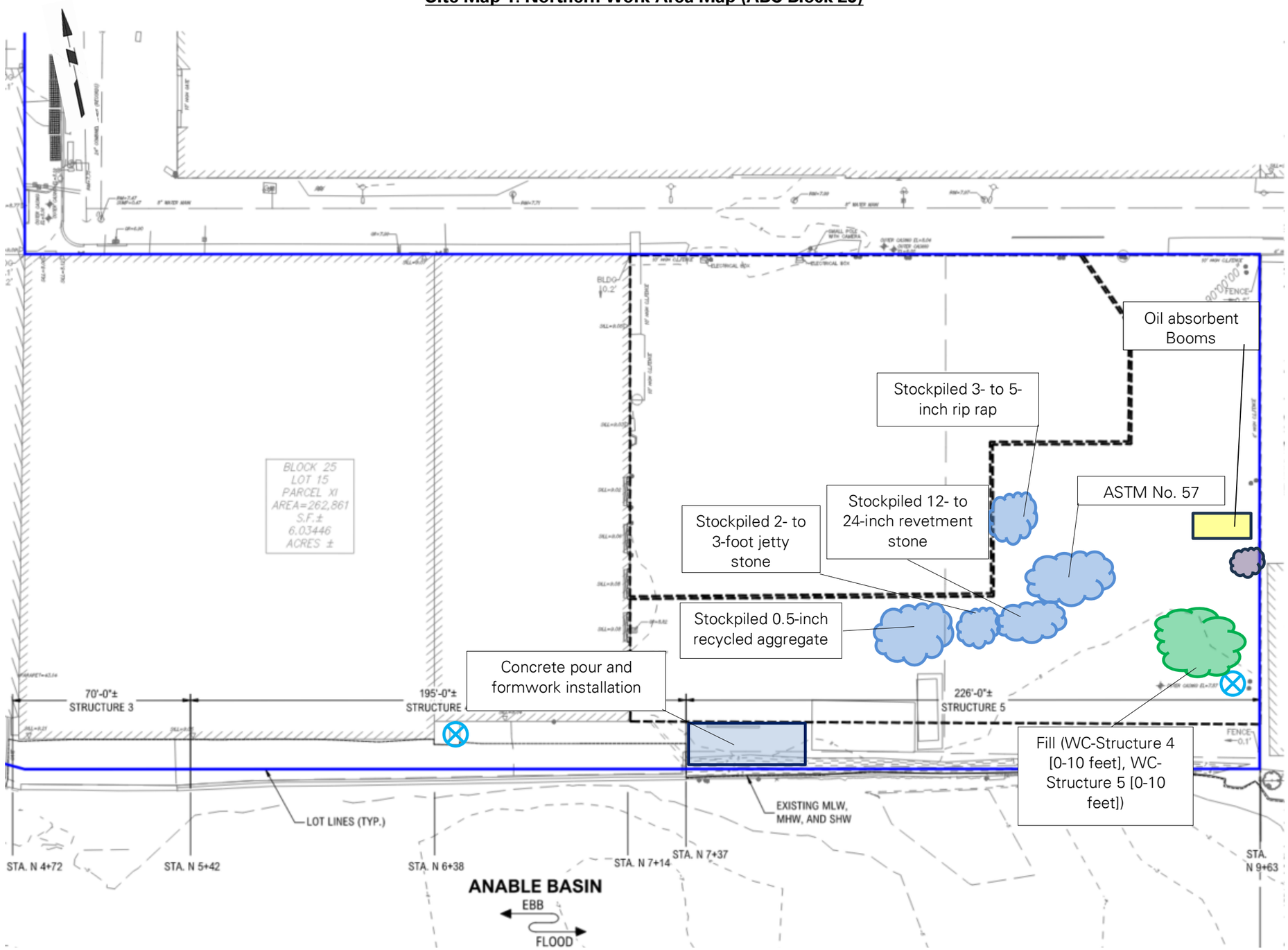
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

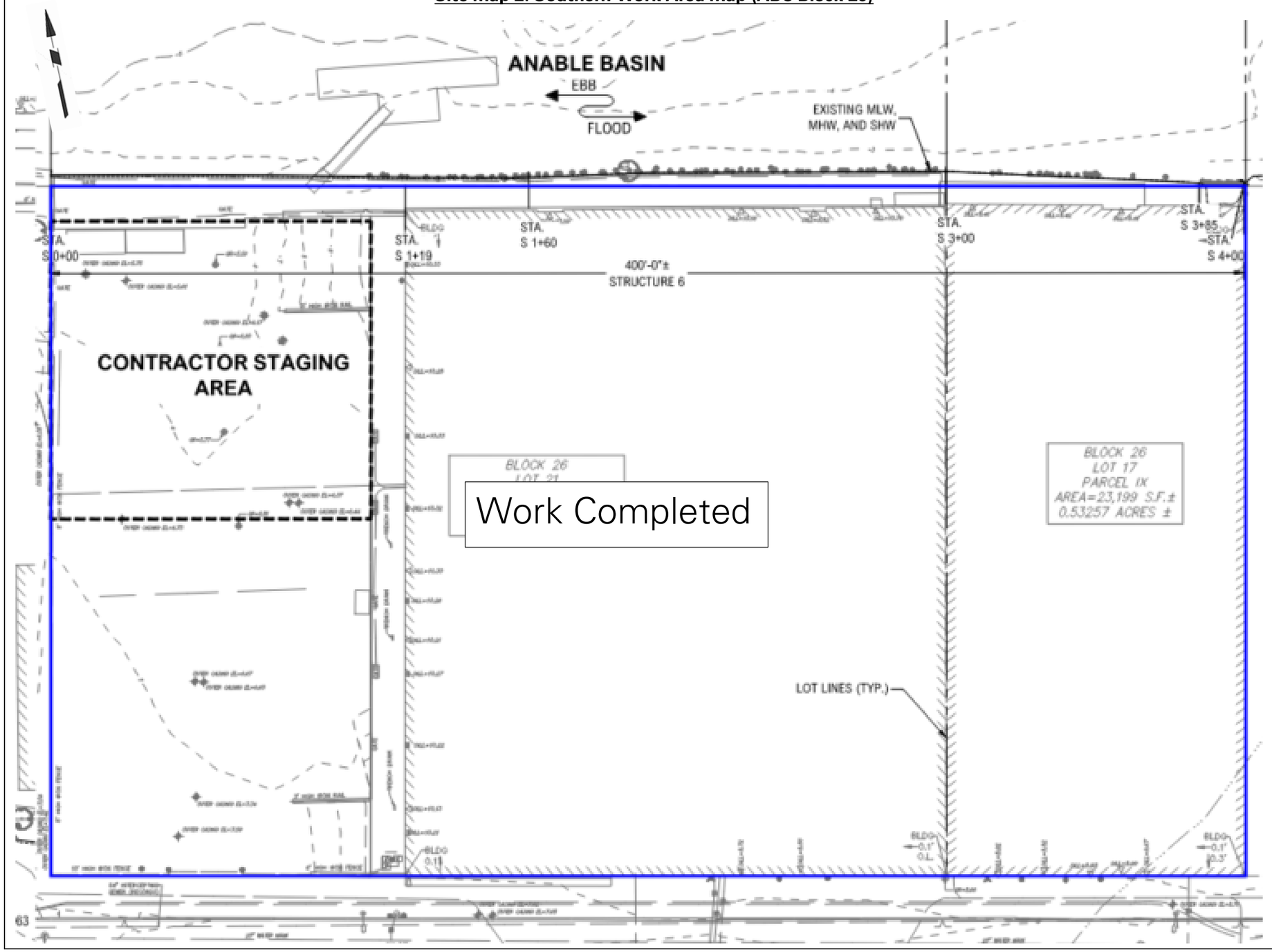


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.17 - Anable Basin Bulkhead Stabilization - Day 16969

Site Map 2: Southern Work Area Map (ABC Block 26)



LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.17 - Anable Basin Bulkhead Stabilization - Day 16969

Photo Log

Photo 1: Trevcon pouring concrete in the south-central part of Block 25 (facing southwest).	
Photo 2: Trevcon exporting timbers in the north-eastern part of ABC Block 25 (facing east).	

File Name: 2024.12.17 - Anable Basin Bulkhead Stabilization - Day 16969

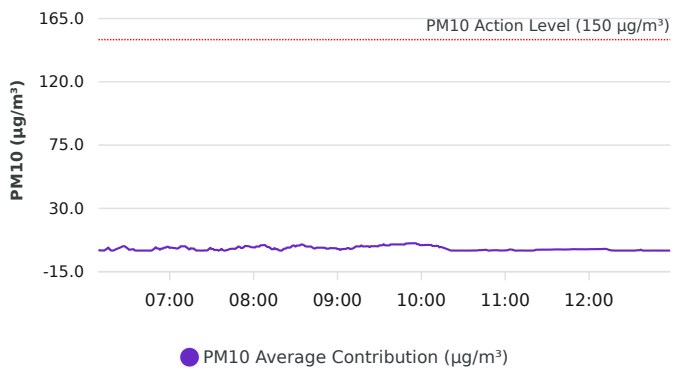
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/17/2024 04:00
		To:	12/17/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/17/2024	0.3-5.2	SW

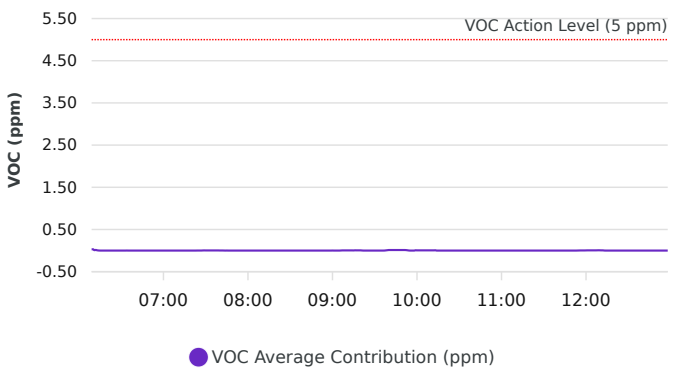
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/17/2024	0.0	06:09	0.00	06:15
Max Contribution (15 min avg.) - 12/17/2024	5.2	09:55	0.03	06:09



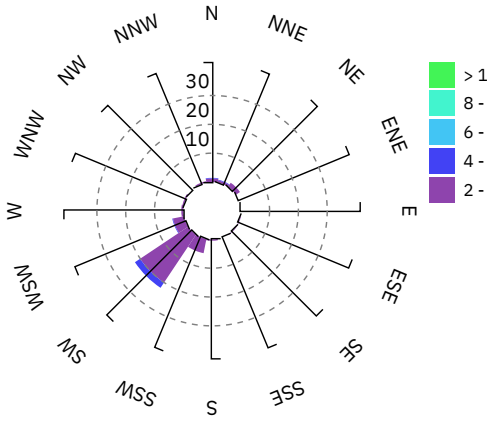
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 06:07:00							0.9	W
12/17/2024 06:08:00							1.7	SW
12/17/2024 06:09:00	17.7	17.2	0.0	0.00	0.03	0.03	2.0	WSW
12/17/2024 06:10:00	16.9	17.2	0.3	0.00	0.03	0.03	2.2	SW
12/17/2024 06:11:00	17.1	16.5	0.0	0.01	0.02	0.01	1.5	NNE
12/17/2024 06:12:00	16.5	16.7	0.1	0.01	0.02	0.01	1.3	NW
12/17/2024 06:13:00	16.7	16.3	0.0	0.01	0.02	0.01	1.2	S
12/17/2024 06:14:00	15.5	16.1	0.6	0.01	0.01	0.00	1.0	N
12/17/2024 06:15:00	14.6	15.9	1.3	0.01	0.01	0.00	0.8	ESE
12/17/2024 06:16:00	13.0	15.1	2.1	0.01	0.01	0.00	1.0	SW
12/17/2024 06:17:00	12.6	13.5	0.9	0.01	0.01	0.00	0.8	E
12/17/2024 06:18:00	12.1	12.2	0.1	0.01	0.01	0.00	0.7	ESE
12/17/2024 06:19:00	11.7	11.2	0.0	0.01	0.01	0.00	0.6	NNE
12/17/2024 06:20:00	10.7	10.8	0.1	0.01	0.01	0.00	0.7	SSW
12/17/2024 06:21:00	9.9	10.6	0.7	0.01	0.01	0.00	0.8	SSW
12/17/2024 06:22:00	9.2	10.3	1.1	0.01	0.01	0.00	0.8	W
12/17/2024 06:23:00	8.6	10.1	1.5	0.01	0.01	0.00	0.8	SSW
12/17/2024 06:24:00	7.4	9.4	1.9	0.01	0.01	0.00	0.8	SW
12/17/2024 06:25:00	6.3	8.6	2.3	0.01	0.00	0.00	0.8	SW
12/17/2024 06:26:00	5.2	8.1	2.9	0.01	0.00	0.00	0.9	WNW
12/17/2024 06:27:00	4.2	7.3	3.1	0.01	0.00	0.00	0.9	S
12/17/2024 06:28:00	3.4	6.3	2.9	0.01	0.00	0.00	0.7	NE
12/17/2024 06:29:00	3.2	5.3	2.2	0.00	0.00	0.00	0.7	NE
12/17/2024 06:30:00	2.9	4.3	1.4	0.00	0.00	0.00	0.7	ENE
12/17/2024 06:31:00	3.1	3.7	0.6	0.00	0.00	0.00	0.4	NE
12/17/2024 06:32:00	2.9	3.7	0.7	0.00	0.00	0.00	0.4	NE
12/17/2024 06:33:00	2.8	3.6	0.9	0.00	0.00	0.00	0.4	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 06:34:00	2.6	3.6	1.0	0.00	0.00	0.00	0.3	NNE
12/17/2024 06:35:00	3.0	3.1	0.1	0.00	0.00	0.00	0.1	NE
12/17/2024 06:36:00	3.0	3.0	0.0	0.00	0.00	0.00	0.2	NNW
12/17/2024 06:37:00	3.3	2.5	0.0	0.00	0.00	0.00	0.3	NE
12/17/2024 06:38:00	3.3	2.4	0.0	0.00	0.00	0.00	0.4	SSW
12/17/2024 06:39:00	3.6	2.0	0.0	0.00	0.00	0.00	0.5	SE
12/17/2024 06:40:00	4.0	1.6	0.0	0.00	0.00	0.00	0.6	SSE
12/17/2024 06:41:00	4.3	1.1	0.0	0.00	0.00	0.00	0.7	SE
12/17/2024 06:42:00	4.3	1.0	0.0	0.00	0.00	0.00	0.7	SSW
12/17/2024 06:43:00	4.3	1.0	0.0	0.00	0.00	0.00	0.5	SSE
12/17/2024 06:44:00	3.9	1.4	0.0	0.00	0.00	0.00	0.4	WSW
12/17/2024 06:45:00	3.5	1.7	0.0	0.00	0.00	0.00	0.3	W
12/17/2024 06:46:00	3.1	2.1	0.0	0.00	0.00	0.00	0.1	SW
12/17/2024 06:47:00	2.8	2.5	0.0	0.00	0.00	0.00	0.1	NNW
12/17/2024 06:48:00	2.4	3.0	0.6	0.00	0.00	0.00	0.1	WSW
12/17/2024 06:49:00	2.1	3.4	1.3	0.00	0.00	0.00	0.1	WNW
12/17/2024 06:50:00	1.7	4.0	2.3	0.00	0.00	0.00	0.2	NW
12/17/2024 06:51:00	2.1	3.6	1.5	0.00	0.00	0.00	0.2	ENE
12/17/2024 06:52:00	2.2	3.6	1.4	0.00	0.00	0.00	0.2	NE
12/17/2024 06:53:00	2.6	3.3	0.7	0.00	0.00	0.00	0.0	NE
12/17/2024 06:54:00	2.3	3.7	1.4	0.00	0.00	0.00	0.1	N
12/17/2024 06:55:00	2.3	3.7	1.4	0.00	0.00	0.00	0.2	NNE
12/17/2024 06:56:00	2.0	4.1	2.1	0.00	0.00	0.00	0.3	W
12/17/2024 06:57:00	2.0	4.1	2.1	0.00	0.00	0.00	0.3	SSW
12/17/2024 06:58:00	1.7	4.4	2.7	0.00	0.00	0.00	0.3	SW
12/17/2024 06:59:00	1.7	4.3	2.7	0.00	0.00	0.00	0.3	SW
12/17/2024 07:00:00	2.1	4.0	1.9	0.00	0.00	0.00	0.2	NE
12/17/2024 07:01:00	2.1	4.2	2.1	0.00	0.00	0.00	0.2	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 07:02:00	2.1	4.1	2.0	0.00	0.00	0.00	0.2	SW
12/17/2024 07:03:00	2.1	3.9	1.8	0.00	0.00	0.00	0.2	W
12/17/2024 07:04:00	2.1	3.8	1.7	0.00	0.00	0.00	0.3	SW
12/17/2024 07:05:00	2.1	3.6	1.5	0.00	0.00	0.00	0.4	SW
12/17/2024 07:06:00	2.0	3.6	1.6	0.00	0.00	0.00	0.4	E
12/17/2024 07:07:00	1.6	3.9	2.3	0.00	0.00	0.00	0.8	SW
12/17/2024 07:08:00	1.1	4.2	3.1	0.00	0.00	0.00	1.1	SSW
12/17/2024 07:09:00	1.1	4.1	3.0	0.00	0.00	0.00	1.2	WSW
12/17/2024 07:10:00	1.1	4.1	3.0	0.00	0.00	0.00	1.2	NE
12/17/2024 07:11:00	1.1	4.1	3.0	0.00	0.00	0.00	1.1	NNW
12/17/2024 07:12:00	1.4	3.8	2.3	0.00	0.00	0.00	1.0	NE
12/17/2024 07:13:00	1.9	3.5	1.5	0.00	0.00	0.00	0.8	NNE
12/17/2024 07:14:00	2.4	3.2	0.8	0.00	0.00	0.00	0.6	NE
12/17/2024 07:15:00	1.9	3.5	1.6	0.00	0.00	0.00	0.8	WSW
12/17/2024 07:16:00	1.9	3.3	1.4	0.00	0.00	0.00	0.8	WNW
12/17/2024 07:17:00	1.9	3.4	1.5	0.00	0.00	0.00	0.8	SSW
12/17/2024 07:18:00	2.4	3.1	0.7	0.00	0.00	0.00	0.6	ENE
12/17/2024 07:19:00	2.8	2.8	0.0	0.00	0.00	0.00	0.4	NE
12/17/2024 07:20:00	2.8	2.9	0.1	0.00	0.00	0.00	0.3	S
12/17/2024 07:21:00	2.8	2.9	0.1	0.00	0.00	0.00	0.3	NE
12/17/2024 07:22:00	3.2	2.5	0.0	0.00	0.00	0.00	0.2	ENE
12/17/2024 07:23:00	3.2	2.6	0.0	0.00	0.00	0.00	0.4	NW
12/17/2024 07:24:00	3.2	2.6	0.0	0.00	0.00	0.00	0.3	SW
12/17/2024 07:25:00	2.8	3.0	0.1	0.00	0.00	0.00	0.3	WSW
12/17/2024 07:26:00	3.1	2.6	0.0	0.00	0.00	0.00	0.2	NNE
12/17/2024 07:27:00	2.8	3.0	0.2	0.00	0.00	0.00	0.2	SSW
12/17/2024 07:28:00	2.3	3.3	1.1	0.00	0.00	0.00	0.4	SW
12/17/2024 07:29:00	1.9	3.8	1.9	0.00	0.00	0.00	0.6	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 07:30:00	2.3	3.4	1.1	0.00	0.00	0.00	0.4	NE
12/17/2024 07:31:00	2.3	3.5	1.2	0.00	0.01	0.00	0.4	SW
12/17/2024 07:32:00	2.7	3.0	0.3	0.00	0.01	0.00	0.3	E
12/17/2024 07:33:00	2.5	3.0	0.4	0.00	0.01	0.00	0.4	E
12/17/2024 07:34:00	2.5	3.0	0.5	0.00	0.01	0.00	0.4	ENE
12/17/2024 07:35:00	2.9	2.6	0.0	0.00	0.01	0.00	0.2	NE
12/17/2024 07:36:00	2.6	3.0	0.4	0.00	0.01	0.00	0.3	SW
12/17/2024 07:37:00	2.3	3.4	1.2	0.00	0.01	0.00	0.5	SSW
12/17/2024 07:38:00	2.7	3.0	0.3	0.00	0.01	0.00	0.4	ENE
12/17/2024 07:39:00	3.0	2.7	0.0	0.00	0.00	0.00	0.4	SE
12/17/2024 07:40:00	3.0	2.7	0.0	0.00	0.00	0.00	0.3	NNW
12/17/2024 07:41:00	2.7	3.2	0.4	0.00	0.00	0.00	0.3	N
12/17/2024 07:42:00	2.7	3.4	0.7	0.00	0.00	0.00	0.3	SW
12/17/2024 07:43:00	2.7	3.8	1.1	0.00	0.00	0.00	0.2	WSW
12/17/2024 07:44:00	2.8	4.1	1.3	0.00	0.00	0.00	0.2	SW
12/17/2024 07:45:00	2.8	4.1	1.3	0.00	0.00	0.00	0.3	S
12/17/2024 07:46:00	2.8	4.1	1.3	0.00	0.00	0.00	0.4	WSW
12/17/2024 07:47:00	2.8	4.1	1.3	0.00	0.00	0.00	0.3	NE
12/17/2024 07:48:00	2.5	4.5	2.0	0.00	0.00	0.00	0.5	WSW
12/17/2024 07:49:00	2.1	4.9	2.8	0.00	0.00	0.00	0.6	SW
12/17/2024 07:50:00	2.2	4.9	2.7	0.00	0.00	0.00	0.7	NE
12/17/2024 07:51:00	2.6	4.5	1.9	0.00	0.00	0.00	0.5	ENE
12/17/2024 07:52:00	2.6	4.5	1.8	0.00	0.00	0.00	0.5	WSW
12/17/2024 07:53:00	2.3	4.8	2.5	0.00	0.00	0.00	0.7	SW
12/17/2024 07:54:00	1.9	5.1	3.3	0.00	0.00	0.00	0.8	W
12/17/2024 07:55:00	1.9	5.1	3.2	0.00	0.00	0.00	1.0	WSW
12/17/2024 07:56:00	1.9	5.0	3.1	0.00	0.00	0.00	1.2	SW
12/17/2024 07:57:00	1.9	4.8	3.0	0.00	0.00	0.00	1.2	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 07:58:00	1.9	4.4	2.5	0.00	0.00	0.00	1.3	SW
12/17/2024 07:59:00	1.8	4.1	2.3	0.00	0.00	0.00	1.2	SSW
12/17/2024 08:00:00	1.7	4.0	2.3	0.00	0.00	0.00	1.1	NNE
12/17/2024 08:01:00	1.8	4.0	2.2	0.00	0.00	0.00	1.0	SW
12/17/2024 08:02:00	1.5	4.4	2.9	0.00	0.00	0.00	1.3	SW
12/17/2024 08:03:00	1.5	4.4	2.9	0.00	0.00	0.00	1.3	SW
12/17/2024 08:04:00	1.5	4.3	2.9	0.00	0.00	0.00	1.3	WSW
12/17/2024 08:05:00	0.9	4.7	3.8	0.00	0.00	0.00	1.5	WSW
12/17/2024 08:06:00	0.9	4.7	3.8	0.00	0.00	0.00	1.5	NNE
12/17/2024 08:07:00	1.0	4.8	3.9	0.00	0.00	0.00	1.5	W
12/17/2024 08:08:00	1.0	4.8	3.9	0.00	0.00	0.00	1.5	SSW
12/17/2024 08:09:00	1.3	4.5	3.2	0.00	0.00	0.00	1.3	E
12/17/2024 08:10:00	1.6	4.2	2.5	0.00	0.00	0.00	1.0	NE
12/17/2024 08:11:00	1.6	4.2	2.5	0.00	0.00	0.00	0.9	W
12/17/2024 08:12:00	2.0	3.8	1.7	0.00	0.00	0.00	0.9	SSE
12/17/2024 08:13:00	2.4	3.4	1.0	0.00	0.00	0.00	0.6	ENE
12/17/2024 08:14:00	2.5	3.4	1.0	0.00	0.00	0.00	0.7	SSW
12/17/2024 08:15:00	2.1	3.8	1.7	0.00	0.00	0.00	0.8	SW
12/17/2024 08:16:00	2.4	3.4	1.0	0.00	0.00	0.00	0.7	NE
12/17/2024 08:17:00	2.5	3.5	1.0	0.00	0.00	0.00	0.7	WSW
12/17/2024 08:18:00	2.8	3.1	0.3	0.00	0.00	0.00	0.6	S
12/17/2024 08:19:00	3.2	2.8	0.0	0.00	0.00	0.00	0.4	ENE
12/17/2024 08:20:00	3.2	2.7	0.0	0.00	0.00	0.00	0.3	SW
12/17/2024 08:21:00	2.7	3.5	0.7	0.00	0.00	0.00	0.5	SSW
12/17/2024 08:22:00	2.7	4.1	1.4	0.00	0.00	0.00	0.6	SSW
12/17/2024 08:23:00	2.7	4.2	1.4	0.00	0.00	0.00	0.5	SW
12/17/2024 08:24:00	2.4	4.5	2.1	0.00	0.00	0.00	0.7	SW
12/17/2024 08:25:00	2.4	4.5	2.1	0.00	0.00	0.00	0.7	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 08:26:00	2.4	4.5	2.1	0.00	0.00	0.00	0.7	SSW
12/17/2024 08:27:00	2.0	4.8	2.8	0.00	0.00	0.00	0.9	SW
12/17/2024 08:28:00	1.6	5.2	3.6	0.00	0.00	0.00	1.0	SW
12/17/2024 08:29:00	1.6	5.1	3.6	0.00	0.00	0.00	0.9	W
12/17/2024 08:30:00	1.9	4.8	2.9	0.00	0.00	0.00	0.8	NNE
12/17/2024 08:31:00	1.5	5.0	3.6	0.00	0.00	0.00	0.9	WSW
12/17/2024 08:32:00	1.4	5.0	3.6	0.00	0.00	0.00	0.7	NNW
12/17/2024 08:33:00	1.3	5.0	3.6	0.00	0.00	0.00	0.7	S
12/17/2024 08:34:00	1.0	5.3	4.3	0.00	0.00	0.00	0.9	W
12/17/2024 08:35:00	1.0	5.2	4.3	0.00	0.00	0.00	1.1	WSW
12/17/2024 08:36:00	1.0	4.8	3.8	0.00	0.00	0.00	1.3	WSW
12/17/2024 08:37:00	1.0	4.0	3.1	0.00	0.00	0.00	1.5	WSW
12/17/2024 08:38:00	1.0	3.8	2.9	0.00	0.00	0.00	1.7	SW
12/17/2024 08:39:00	1.0	3.8	2.8	0.00	0.00	0.00	1.7	W
12/17/2024 08:40:00	0.9	3.8	2.9	0.00	0.00	0.00	1.8	SE
12/17/2024 08:41:00	0.9	3.8	2.9	0.00	0.00	0.00	1.8	SW
12/17/2024 08:42:00	1.2	3.4	2.2	0.00	0.00	0.00	1.5	NNE
12/17/2024 08:43:00	1.5	3.1	1.6	0.00	0.00	0.00	1.4	ESE
12/17/2024 08:44:00	1.5	3.0	1.5	0.00	0.00	0.00	1.4	SW
12/17/2024 08:45:00	1.2	3.2	2.1	0.00	0.00	0.00	1.6	SW
12/17/2024 08:46:00	1.2	3.2	2.1	0.00	0.00	0.00	1.6	SSW
12/17/2024 08:47:00	1.2	3.2	2.0	0.00	0.00	0.00	1.7	NW
12/17/2024 08:48:00	1.1	3.2	2.1	0.00	0.00	0.00	1.5	NNE
12/17/2024 08:49:00	1.1	3.2	2.0	0.00	0.00	0.00	1.2	N
12/17/2024 08:50:00	1.1	3.1	2.0	0.00	0.00	0.00	0.9	N
12/17/2024 08:51:00	1.1	3.1	2.0	0.00	0.00	0.00	0.8	N
12/17/2024 08:52:00	1.4	2.8	1.4	0.00	0.00	0.00	0.8	NNE
12/17/2024 08:53:00	1.4	2.8	1.4	0.00	0.00	0.00	1.1	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 08:54:00	1.4	2.8	1.4	0.00	0.00	0.00	1.1	WNW
12/17/2024 08:55:00	1.3	3.1	1.9	0.00	0.00	0.00	1.0	SW
12/17/2024 08:56:00	1.4	3.1	1.7	0.00	0.00	0.00	1.2	NNW
12/17/2024 08:57:00	1.4	3.1	1.7	0.00	0.00	0.00	1.1	NE
12/17/2024 08:58:00	1.5	3.1	1.6	0.00	0.00	0.00	1.2	NNE
12/17/2024 08:59:00	1.5	3.1	1.7	0.00	0.00	0.00	1.2	W
12/17/2024 09:00:00	1.8	2.9	1.1	0.00	0.00	0.00	1.2	ESE
12/17/2024 09:01:00	1.8	2.9	1.1	0.00	0.00	0.00	1.2	SSW
12/17/2024 09:02:00	2.2	2.6	0.5	0.00	0.00	0.00	1.1	SE
12/17/2024 09:03:00	1.9	3.0	1.1	0.00	0.00	0.00	0.9	SSW
12/17/2024 09:04:00	1.9	3.0	1.1	0.00	0.00	0.00	0.6	SW
12/17/2024 09:05:00	1.9	3.0	1.1	0.00	0.00	0.00	0.4	SW
12/17/2024 09:06:00	1.9	3.1	1.2	0.00	0.01	0.00	0.5	WSW
12/17/2024 09:07:00	1.6	3.4	1.7	0.00	0.01	0.00	1.0	SW
12/17/2024 09:08:00	1.6	3.4	1.7	0.00	0.01	0.00	1.2	SSW
12/17/2024 09:09:00	1.9	3.1	1.1	0.00	0.01	0.00	1.3	S
12/17/2024 09:10:00	1.8	3.1	1.3	0.00	0.01	0.00	1.0	NNW
12/17/2024 09:11:00	1.7	3.2	1.5	0.00	0.01	0.00	1.1	SW
12/17/2024 09:12:00	1.4	3.5	2.1	0.00	0.01	0.00	1.3	SSW
12/17/2024 09:13:00	1.0	3.9	2.9	0.00	0.01	0.00	1.4	SSW
12/17/2024 09:14:00	1.0	4.0	3.0	0.00	0.01	0.00	1.4	WNW
12/17/2024 09:15:00	1.1	4.0	3.0	0.00	0.01	0.00	1.3	ENE
12/17/2024 09:16:00	1.1	4.0	2.9	0.00	0.01	0.01	1.3	SW
12/17/2024 09:17:00	0.7	4.3	3.6	0.00	0.01	0.01	1.4	W
12/17/2024 09:18:00	1.0	3.9	3.0	0.00	0.01	0.01	1.3	SE
12/17/2024 09:19:00	1.0	3.9	3.0	0.00	0.01	0.01	1.2	WSW
12/17/2024 09:20:00	1.0	3.9	3.0	0.00	0.01	0.01	1.4	SW
12/17/2024 09:21:00	1.0	4.0	3.0	0.00	0.00	0.00	1.4	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 09:22:00	1.0	4.0	3.1	0.00	0.00	0.00	1.2	SSW
12/17/2024 09:23:00	1.3	3.8	2.5	0.00	0.00	0.00	0.9	E
12/17/2024 09:24:00	1.0	4.1	3.1	0.00	0.00	0.00	1.1	SW
12/17/2024 09:25:00	1.0	4.1	3.1	0.00	0.00	0.00	1.2	SSW
12/17/2024 09:26:00	1.0	4.0	3.1	0.00	0.00	0.00	1.3	SW
12/17/2024 09:27:00	1.0	4.1	3.1	0.00	0.00	0.00	1.4	SSW
12/17/2024 09:28:00	1.0	4.0	3.1	0.00	0.00	0.00	1.6	SW
12/17/2024 09:29:00	1.0	4.0	3.0	0.00	0.00	0.00	1.5	N
12/17/2024 09:30:00	0.6	4.3	3.7	0.00	0.00	0.00	1.7	WSW
12/17/2024 09:31:00	0.6	4.3	3.7	0.00	0.00	0.00	1.6	SW
12/17/2024 09:32:00	0.6	4.4	3.8	0.00	0.00	0.00	1.7	SW
12/17/2024 09:33:00	0.3	4.8	4.5	0.00	0.00	0.00	1.8	SW
12/17/2024 09:34:00	0.7	4.5	3.7	0.00	0.00	0.00	1.7	E
12/17/2024 09:35:00	0.7	4.4	3.7	0.00	0.00	0.00	1.4	NW
12/17/2024 09:36:00	0.7	4.4	3.7	0.00	0.00	0.00	1.2	SSW
12/17/2024 09:37:00	0.7	4.4	3.7	0.00	0.00	0.00	1.3	SW
12/17/2024 09:38:00	0.4	4.7	4.3	0.00	0.01	0.01	1.5	SW
12/17/2024 09:39:00	0.4	4.8	4.4	0.00	0.01	0.01	1.5	SW
12/17/2024 09:40:00	0.4	4.8	4.4	0.00	0.01	0.01	1.6	WSW
12/17/2024 09:41:00	0.4	4.8	4.4	0.00	0.01	0.01	1.5	SW
12/17/2024 09:42:00	0.4	4.8	4.4	0.00	0.01	0.01	1.5	SW
12/17/2024 09:43:00	0.4	4.8	4.4	0.00	0.01	0.01	1.3	SW
12/17/2024 09:44:00	0.4	4.7	4.3	0.00	0.01	0.01	1.6	SW
12/17/2024 09:45:00	0.4	4.8	4.3	0.00	0.01	0.01	1.7	SW
12/17/2024 09:46:00	0.4	4.8	4.4	0.00	0.01	0.01	1.7	SW
12/17/2024 09:47:00	0.4	4.8	4.3	0.00	0.01	0.01	1.7	WSW
12/17/2024 09:48:00	0.4	4.7	4.3	0.00	0.01	0.01	1.7	SW
12/17/2024 09:49:00	0.0	5.0	5.0	0.00	0.01	0.01	1.9	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 09:50:00	0.0	5.0	5.0	0.00	0.01	0.01	2.0	SW
12/17/2024 09:51:00	0.0	5.1	5.1	0.00	0.01	0.01	2.2	SW
12/17/2024 09:52:00	0.0	5.1	5.1	0.00	0.01	0.01	2.2	WSW
12/17/2024 09:53:00	0.0	5.2	5.2	0.00	0.01	0.01	2.1	WNW
12/17/2024 09:54:00	0.0	5.2	5.2	0.00	0.00	0.00	2.1	SW
12/17/2024 09:55:00	0.0	5.2	5.2	0.00	0.00	0.00	2.1	SSW
12/17/2024 09:56:00	0.0	5.2	5.2	0.00	0.00	0.00	2.2	SW
12/17/2024 09:57:00	0.3	4.9	4.5	0.00	0.00	0.00	2.1	SSE
12/17/2024 09:58:00	0.3	4.9	4.5	0.00	0.00	0.00	2.0	SW
12/17/2024 09:59:00	0.7	4.5	3.9	0.00	0.01	0.01	1.9	SSE
12/17/2024 10:00:00	0.7	4.6	3.9	0.01	0.01	0.01	1.9	SW
12/17/2024 10:01:00	0.7	4.6	3.9	0.01	0.01	0.01	1.9	SW
12/17/2024 10:02:00	0.7	4.6	3.9	0.01	0.01	0.01	1.9	WSW
12/17/2024 10:03:00	0.7	4.7	4.0	0.01	0.01	0.01	2.0	SW
12/17/2024 10:04:00	0.7	4.7	4.0	0.01	0.01	0.01	1.9	W
12/17/2024 10:05:00	0.7	4.7	4.0	0.01	0.01	0.01	1.9	WSW
12/17/2024 10:06:00	0.7	4.7	4.0	0.01	0.01	0.01	1.9	SW
12/17/2024 10:07:00	0.7	4.7	4.0	0.01	0.01	0.01	2.1	SW
12/17/2024 10:08:00	1.1	4.3	3.3	0.01	0.01	0.01	1.9	NE
12/17/2024 10:09:00	1.1	4.3	3.3	0.01	0.01	0.01	1.8	SW
12/17/2024 10:10:00	1.1	4.3	3.2	0.01	0.01	0.01	1.9	WSW
12/17/2024 10:11:00	1.1	4.5	3.4	0.01	0.01	0.01	1.6	N
12/17/2024 10:12:00	1.3	4.5	3.2	0.01	0.01	0.01	1.5	SE
12/17/2024 10:13:00	1.8	4.1	2.3	0.00	0.01	0.01	1.3	NE
12/17/2024 10:14:00	2.0	4.6	2.6	0.00	0.00	0.00	1.1	NNE
12/17/2024 10:15:00	2.5	4.8	2.3	0.00	0.00	0.00	0.9	N
12/17/2024 10:16:00	3.0	4.9	1.9	0.00	0.00	0.00	0.7	NNE
12/17/2024 10:17:00	3.5	5.1	1.6	0.00	0.00	0.00	0.6	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 10:18:00	4.0	5.2	1.2	0.00	0.00	0.00	0.6	N
12/17/2024 10:19:00	4.5	5.4	0.8	0.00	0.00	0.00	0.6	SW
12/17/2024 10:20:00	5.1	5.6	0.5	0.00	0.00	0.00	0.6	WNW
12/17/2024 10:21:00	5.7	5.7	0.1	0.00	0.00	0.00	0.6	SSW
12/17/2024 10:22:00	6.2	5.8	0.0	0.00	0.00	0.00	0.7	NE
12/17/2024 10:23:00	6.3	6.4	0.1	0.00	0.00	0.00	0.7	WSW
12/17/2024 10:24:00	6.8	6.5	0.0	0.00	0.00	0.00	0.8	NW
12/17/2024 10:25:00	7.3	6.7	0.0	0.00	0.00	0.00	0.8	NE
12/17/2024 10:26:00	7.8	6.7	0.0	0.00	0.00	0.00	0.9	NE
12/17/2024 10:27:00	7.8	7.2	0.0	0.00	0.00	0.00	1.0	WNW
12/17/2024 10:28:00	7.7	7.8	0.0	0.00	0.00	0.00	0.8	SW
12/17/2024 10:29:00	7.7	7.8	0.0	0.00	0.00	0.00	0.8	NE
12/17/2024 10:30:00	7.8	7.8	0.0	0.00	0.00	0.00	0.7	SW
12/17/2024 10:31:00	7.9	7.8	0.0	0.00	0.00	0.00	0.7	WSW
12/17/2024 10:32:00	7.9	7.8	0.0	0.00	0.00	0.00	0.7	SSW
12/17/2024 10:33:00	7.9	7.8	0.0	0.00	0.00	0.00	0.9	SW
12/17/2024 10:34:00	7.9	7.9	0.0	0.00	0.00	0.00	0.8	WSW
12/17/2024 10:35:00	7.8	7.8	0.0	0.00	0.00	0.00	0.6	ESE
12/17/2024 10:36:00	7.8	7.8	0.0	0.00	0.00	0.00	0.4	NE
12/17/2024 10:37:00	7.8	7.8	0.1	0.00	0.00	0.00	0.4	NNE
12/17/2024 10:38:00	7.8	7.8	0.1	0.00	0.00	0.00	0.3	ENE
12/17/2024 10:39:00	7.8	7.8	0.0	0.00	0.00	0.00	0.1	ENE
12/17/2024 10:40:00	7.8	7.9	0.1	0.00	0.00	0.00	0.2	E
12/17/2024 10:41:00	7.8	8.1	0.3	0.00	0.00	0.00	0.3	ENE
12/17/2024 10:42:00	7.9	8.2	0.3	0.00	0.00	0.00	0.3	W
12/17/2024 10:43:00	8.1	8.4	0.3	0.00	0.00	0.00	0.2	S
12/17/2024 10:44:00	8.1	8.6	0.4	0.00	0.00	0.00	0.4	SSE
12/17/2024 10:45:00	8.2	8.5	0.4	0.00	0.00	0.00	0.4	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 10:46:00	8.1	8.7	0.6	0.00	0.00	0.00	0.4	NE
12/17/2024 10:47:00	8.6	8.9	0.3	0.00	0.00	0.00	0.4	SW
12/17/2024 10:48:00	8.9	8.9	0.0	0.00	0.00	0.00	0.5	SW
12/17/2024 10:49:00	8.9	8.9	0.0	0.00	0.00	0.00	0.6	SW
12/17/2024 10:50:00	8.9	9.1	0.1	0.00	0.00	0.00	0.8	SW
12/17/2024 10:51:00	9.0	9.2	0.2	0.00	0.00	0.00	0.7	NE
12/17/2024 10:52:00	9.0	9.2	0.2	0.00	0.00	0.00	1.0	SSW
12/17/2024 10:53:00	9.1	9.3	0.2	0.00	0.00	0.00	1.1	WSW
12/17/2024 10:54:00	9.1	9.3	0.3	0.00	0.00	0.00	1.5	SW
12/17/2024 10:55:00	9.1	9.2	0.2	0.00	0.00	0.00	1.5	SE
12/17/2024 10:56:00	9.0	9.1	0.0	0.00	0.00	0.00	1.6	SSW
12/17/2024 10:57:00	8.9	9.0	0.0	0.00	0.00	0.00	1.6	SW
12/17/2024 10:58:00	8.8	8.9	0.1	0.00	0.00	0.00	1.7	SW
12/17/2024 10:59:00	8.7	8.8	0.0	0.00	0.00	0.00	1.9	SW
12/17/2024 11:00:00	8.6	8.7	0.2	0.00	0.00	0.00	1.8	SSW
12/17/2024 11:01:00	8.5	8.6	0.1	0.00	0.00	0.00	2.1	SW
12/17/2024 11:02:00	8.0	8.4	0.4	0.00	0.00	0.00	2.0	SW
12/17/2024 11:03:00	7.6	8.4	0.8	0.00	0.00	0.00	2.0	SW
12/17/2024 11:04:00	7.6	8.4	0.7	0.00	0.00	0.00	1.9	SW
12/17/2024 11:05:00	7.7	8.3	0.7	0.00	0.00	0.00	1.7	N
12/17/2024 11:06:00	8.0	8.2	0.3	0.00	0.00	0.00	1.9	SSW
12/17/2024 11:07:00	8.3	8.2	0.0	0.00	0.00	0.00	1.9	SW
12/17/2024 11:08:00	8.3	8.3	0.0	0.00	0.00	0.00	1.6	NE
12/17/2024 11:09:00	8.3	8.3	0.0	0.00	0.00	0.00	1.4	SW
12/17/2024 11:10:00	8.3	8.4	0.1	0.00	0.00	0.00	1.5	SW
12/17/2024 11:11:00	8.3	8.4	0.1	0.00	0.00	0.00	1.6	SW
12/17/2024 11:12:00	8.3	8.4	0.0	0.00	0.00	0.00	1.6	SW
12/17/2024 11:13:00	8.4	8.4	0.0	0.00	0.00	0.00	1.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 11:14:00	8.4	8.3	0.0	0.00	0.00	0.00	1.6	SW
12/17/2024 11:15:00	8.4	8.4	0.0	0.00	0.00	0.00	1.8	SSW
12/17/2024 11:16:00	8.4	8.4	0.0	0.00	0.00	0.00	1.8	SW
12/17/2024 11:17:00	8.5	8.4	0.0	0.00	0.00	0.00	1.8	SW
12/17/2024 11:18:00	8.5	8.4	0.0	0.00	0.00	0.00	1.7	SW
12/17/2024 11:19:00	8.6	8.5	0.0	0.00	0.00	0.00	1.7	SW
12/17/2024 11:20:00	8.6	8.5	0.0	0.00	0.00	0.00	2.0	SW
12/17/2024 11:21:00	8.3	8.6	0.2	0.00	0.00	0.00	2.1	SW
12/17/2024 11:22:00	8.0	8.6	0.6	0.00	0.00	0.00	2.1	SW
12/17/2024 11:23:00	8.0	8.6	0.6	0.00	0.00	0.00	2.4	SW
12/17/2024 11:24:00	8.0	8.6	0.6	0.00	0.00	0.00	2.4	SW
12/17/2024 11:25:00	8.0	8.7	0.6	0.00	0.00	0.00	2.4	SW
12/17/2024 11:26:00	8.0	8.7	0.7	0.00	0.00	0.00	2.4	SW
12/17/2024 11:27:00	8.1	8.7	0.7	0.00	0.00	0.00	2.4	WSW
12/17/2024 11:28:00	8.1	8.8	0.7	0.00	0.00	0.00	2.1	NNW
12/17/2024 11:29:00	8.1	8.8	0.7	0.00	0.00	0.00	2.0	SW
12/17/2024 11:30:00	8.1	8.8	0.7	0.00	0.00	0.00	1.9	WSW
12/17/2024 11:31:00	8.1	8.8	0.7	0.00	0.00	0.00	1.9	WSW
12/17/2024 11:32:00	8.1	8.8	0.7	0.00	0.00	0.00	1.9	SSW
12/17/2024 11:33:00	8.1	8.8	0.7	0.00	0.00	0.00	1.8	WSW
12/17/2024 11:34:00	8.1	8.8	0.7	0.00	0.00	0.00	1.8	SW
12/17/2024 11:35:00	8.1	8.8	0.8	0.00	0.00	0.00	1.7	SW
12/17/2024 11:36:00	8.0	8.8	0.8	0.00	0.00	0.00	1.6	SSW
12/17/2024 11:37:00	8.1	8.9	0.8	0.00	0.00	0.00	1.7	SW
12/17/2024 11:38:00	8.1	8.9	0.8	0.00	0.00	0.00	1.7	SW
12/17/2024 11:39:00	8.1	8.9	0.8	0.00	0.00	0.00	1.7	SW
12/17/2024 11:40:00	8.1	8.9	0.8	0.00	0.00	0.00	1.6	N
12/17/2024 11:41:00	8.1	8.9	0.8	0.00	0.00	0.00	1.5	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 11:42:00	8.2	8.9	0.7	0.00	0.00	0.00	1.5	W
12/17/2024 11:43:00	8.1	8.9	0.8	0.00	0.00	0.00	1.7	SW
12/17/2024 11:44:00	8.1	8.9	0.8	0.00	0.00	0.00	1.8	SW
12/17/2024 11:45:00	8.2	8.9	0.8	0.00	0.00	0.00	1.8	SW
12/17/2024 11:46:00	8.1	9.0	0.8	0.00	0.00	0.00	1.8	SW
12/17/2024 11:47:00	8.2	9.1	0.9	0.00	0.00	0.00	1.9	SW
12/17/2024 11:48:00	8.2	9.2	1.0	0.00	0.00	0.00	1.9	SW
12/17/2024 11:49:00	8.2	9.2	1.0	0.00	0.00	0.00	1.9	SW
12/17/2024 11:50:00	8.2	9.2	1.0	0.00	0.00	0.00	1.8	SW
12/17/2024 11:51:00	8.3	9.2	0.9	0.00	0.00	0.00	1.8	W
12/17/2024 11:52:00	8.2	9.2	0.9	0.00	0.00	0.00	1.8	SW
12/17/2024 11:53:00	8.3	9.2	0.9	0.00	0.00	0.00	1.8	SW
12/17/2024 11:54:00	8.3	9.2	0.9	0.00	0.00	0.00	1.7	WSW
12/17/2024 11:55:00	8.3	9.2	0.9	0.00	0.00	0.00	1.8	NW
12/17/2024 11:56:00	8.3	9.2	0.9	0.00	0.00	0.00	1.7	NW
12/17/2024 11:57:00	8.3	9.2	0.9	0.00	0.00	0.00	1.7	WNW
12/17/2024 11:58:00	8.4	9.3	0.9	0.00	0.00	0.00	1.6	WSW
12/17/2024 11:59:00	8.4	9.4	0.9	0.00	0.00	0.00	1.5	SSW
12/17/2024 12:00:00	8.5	9.4	1.0	0.00	0.00	0.00	1.5	SW
12/17/2024 12:01:00	8.6	9.6	1.0	0.00	0.01	0.01	1.5	SW
12/17/2024 12:02:00	8.6	9.6	1.0	0.00	0.01	0.01	1.5	SW
12/17/2024 12:03:00	8.6	9.6	1.0	0.00	0.01	0.01	1.4	SW
12/17/2024 12:04:00	8.6	9.7	1.0	0.00	0.01	0.01	1.4	SW
12/17/2024 12:05:00	8.7	9.7	1.0	0.00	0.01	0.01	1.4	SSW
12/17/2024 12:06:00	8.7	9.8	1.1	0.00	0.01	0.01	1.6	SW
12/17/2024 12:07:00	8.8	9.8	1.0	0.00	0.01	0.01	1.5	W
12/17/2024 12:08:00	8.8	9.9	1.1	0.00	0.01	0.01	1.4	SW
12/17/2024 12:09:00	8.9	10.0	1.1	0.00	0.01	0.01	1.5	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 12:10:00	8.9	10.0	1.1	0.00	0.01	0.01	1.6	WSW
12/17/2024 12:11:00	8.9	10.1	1.2	0.00	0.01	0.01	1.7	SW
12/17/2024 12:12:00	8.9	10.1	1.2	0.00	0.01	0.01	1.8	SSW
12/17/2024 12:13:00	9.1	10.1	1.0	0.01	0.01	0.00	2.1	SW
12/17/2024 12:14:00	9.5	10.0	0.5	0.02	0.01	0.00	2.2	SW
12/17/2024 12:15:00	9.6	9.9	0.3	0.03	0.01	0.00	2.2	SW
12/17/2024 12:16:00	9.7	9.8	0.1	0.04	0.00	0.00	2.2	SW
12/17/2024 12:17:00	9.7	9.8	0.1	0.04	0.02	0.00	1.9	NE
12/17/2024 12:18:00	12.0	9.7	0.0	0.06	0.02	0.00	2.0	SW
12/17/2024 12:19:00	13.0	9.6	0.0	0.08	0.02	0.00	2.0	SW
12/17/2024 12:20:00	13.0	9.5	0.0	0.10	0.02	0.00	2.0	SW
12/17/2024 12:21:00	13.0	9.4	0.0	0.10	0.02	0.00	1.9	SSW
12/17/2024 12:22:00	13.1	9.3	0.0	0.10	0.02	0.00	1.8	N
12/17/2024 12:23:00	13.1	9.7	0.0	0.10	0.02	0.00	1.7	S
12/17/2024 12:24:00	13.1	10.0	0.0	0.10	0.01	0.00	1.4	NNE
12/17/2024 12:25:00	13.3	9.9	0.0	0.10	0.01	0.00	1.6	SW
12/17/2024 12:26:00	13.3	9.9	0.0	0.10	0.01	0.00	1.5	SSW
12/17/2024 12:27:00	13.3	9.9	0.0	0.10	0.01	0.00	1.5	SW
12/17/2024 12:28:00	13.1	9.9	0.0	0.09	0.01	0.00	1.3	SSW
12/17/2024 12:29:00	12.8	9.9	0.0	0.07	0.01	0.00	1.2	SSW
12/17/2024 12:30:00	12.6	10.1	0.0	0.07	0.01	0.00	1.0	ENE
12/17/2024 12:31:00	13.0	10.1	0.0	0.06	0.01	0.00	1.0	SSW
12/17/2024 12:32:00	13.0	9.9	0.0	0.06	0.00	0.00	1.3	SSW
12/17/2024 12:33:00	10.7	9.9	0.0	0.04	0.00	0.00	1.3	SW
12/17/2024 12:34:00	9.7	9.9	0.2	0.01	0.00	0.00	1.4	SW
12/17/2024 12:35:00	9.7	9.9	0.2	0.00	0.00	0.00	1.2	NNE
12/17/2024 12:36:00	9.6	9.9	0.3	0.00	0.00	0.00	1.0	NNE
12/17/2024 12:37:00	9.4	10.1	0.6	0.00	0.00	0.00	1.0	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/17/2024 12:38:00	9.6	9.7	0.1	0.00	0.00	0.00	1.0	SSW
12/17/2024 12:39:00	9.6	9.3	0.0	0.00	0.00	0.00	1.2	SSW
12/17/2024 12:40:00	9.5	9.3	0.0	0.00	0.00	0.00	1.2	SSW
12/17/2024 12:41:00	9.5	9.3	0.0	0.00	0.00	0.00	1.3	SW
12/17/2024 12:42:00	9.5	9.2	0.0	0.00	0.00	0.00	1.4	SW
12/17/2024 12:43:00	9.4	9.1	0.0	0.00	0.00	0.00	1.3	SSW
12/17/2024 12:44:00	9.4	9.1	0.0	0.00	0.00	0.00	1.4	SW
12/17/2024 12:45:00	9.4	8.9	0.0	0.00	0.00	0.00	1.6	SW
12/17/2024 12:46:00	8.9	8.9	0.0	0.00	0.00	0.00	1.7	SW
12/17/2024 12:47:00	8.8	8.9	0.1	0.00	0.00	0.00	1.4	NE
12/17/2024 12:48:00	8.8	8.8	0.0	0.00	0.00	0.00	1.5	SW
12/17/2024 12:49:00	8.8	8.8	0.0	0.00	0.00	0.00	1.4	SSW
12/17/2024 12:50:00	8.8	8.7	0.0	0.00	0.00	0.00	1.7	SW
12/17/2024 12:51:00	8.8	8.6	0.0	0.00	0.00	0.00	2.0	SW
12/17/2024 12:52:00	8.7	8.3	0.0	0.00	0.00	0.00	2.1	WNW
12/17/2024 12:53:00	8.5	8.1	0.0	0.00	0.00	0.00	2.1	SSW
12/17/2024 12:54:00	8.4	8.0	0.0	0.00	0.00	0.00	2.1	SW
12/17/2024 12:55:00	8.3	7.8	0.0	0.00	0.00	0.00	2.2	SW
12/17/2024 12:56:00	8.2	7.6	0.0	0.00	0.00	0.00	2.2	SSW
12/17/2024 12:57:00	8.1	7.5	0.0	0.00	0.00	0.00	1.9	NNE
12/17/2024 12:58:00	7.9	7.4	0.0	0.00	0.00	0.00	1.7	NE
12/17/2024 12:59:00							1.6	WSW
12/17/2024 13:00:00							1.5	WSW

DAILY FIELD REPORT 170

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 18, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported two loads of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ. See material tracking section for further details.
- Trevcon poured concrete to form vertical walls in the south-central parts of ABC Block 25.
- Trevcon installed formwork in the south-central part of ABC Block 25 for a concrete pour around the installed concrete planks.

Material Tracking:

- No material was exported from the site
- Trevcon imported two loads of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**87**
	Quantity (CY)	0	**1720**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**

Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	2	**11**
		Quantity (CY)	40	**220**

Samples Collected:

- No samples were taken today.

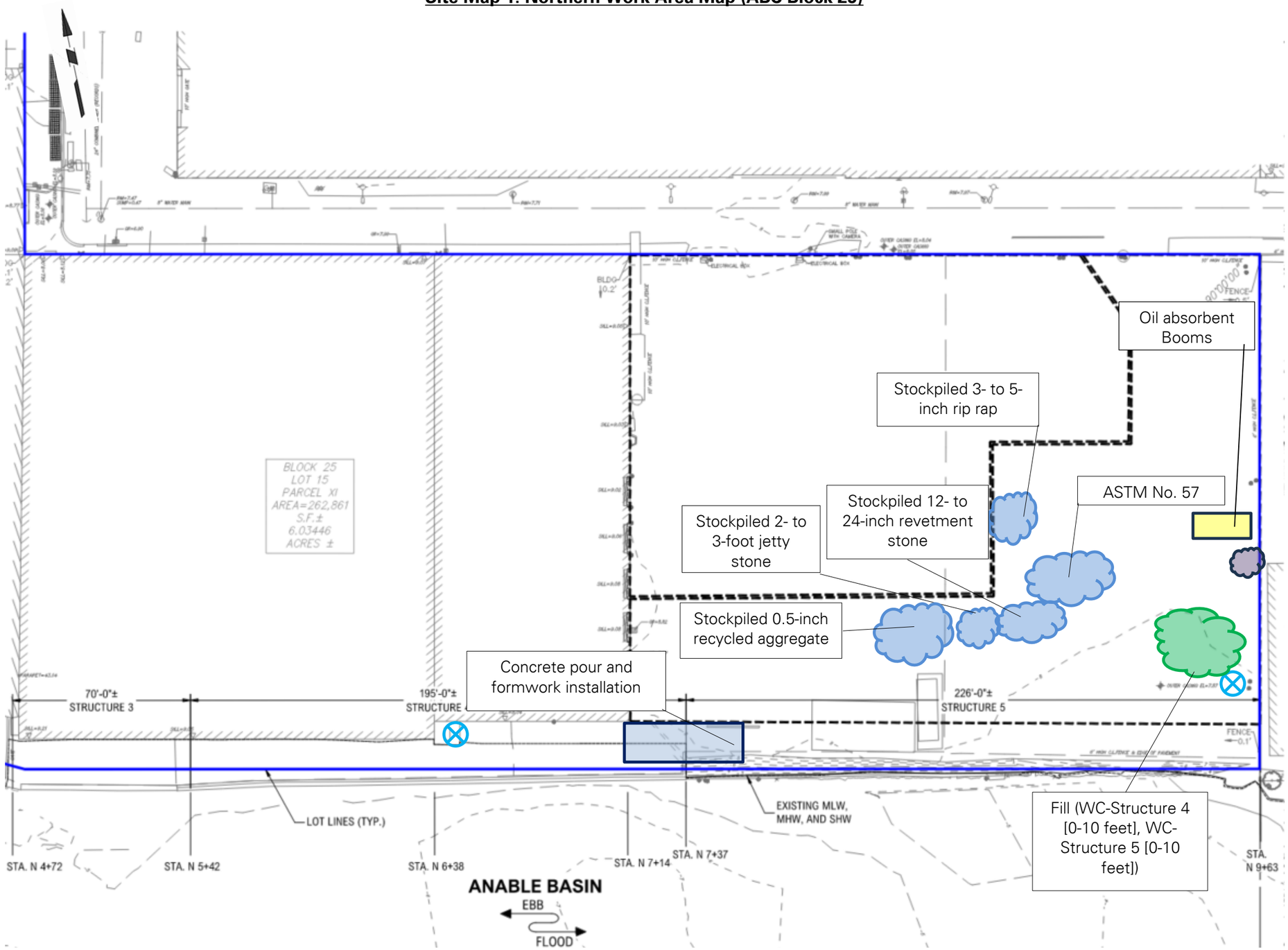
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

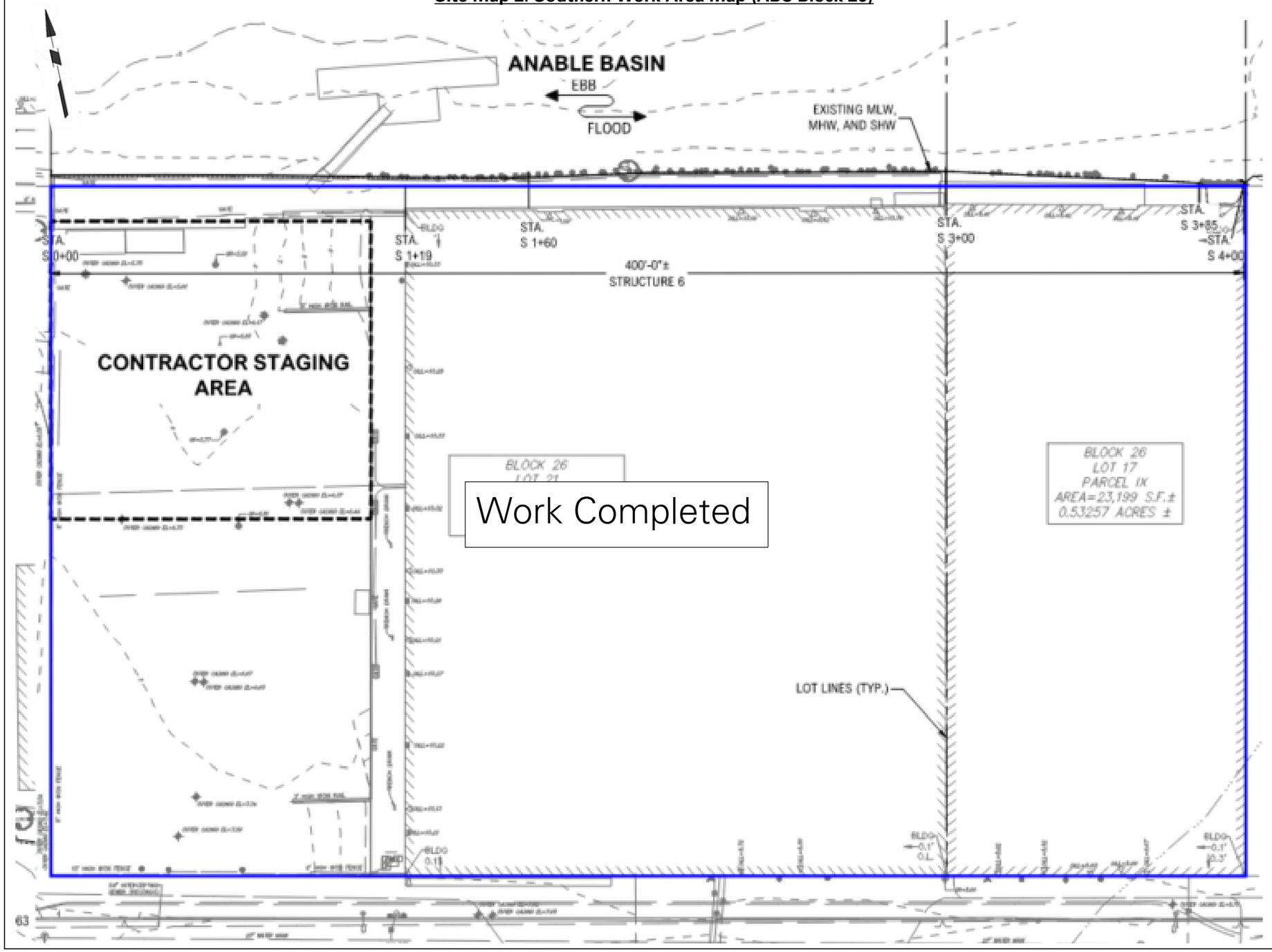


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.18 - Anable Basin Bulkhead Stabilization - Day 170

Site Map 2: Southern Work Area Map (ABC Block 26)



Work Completed

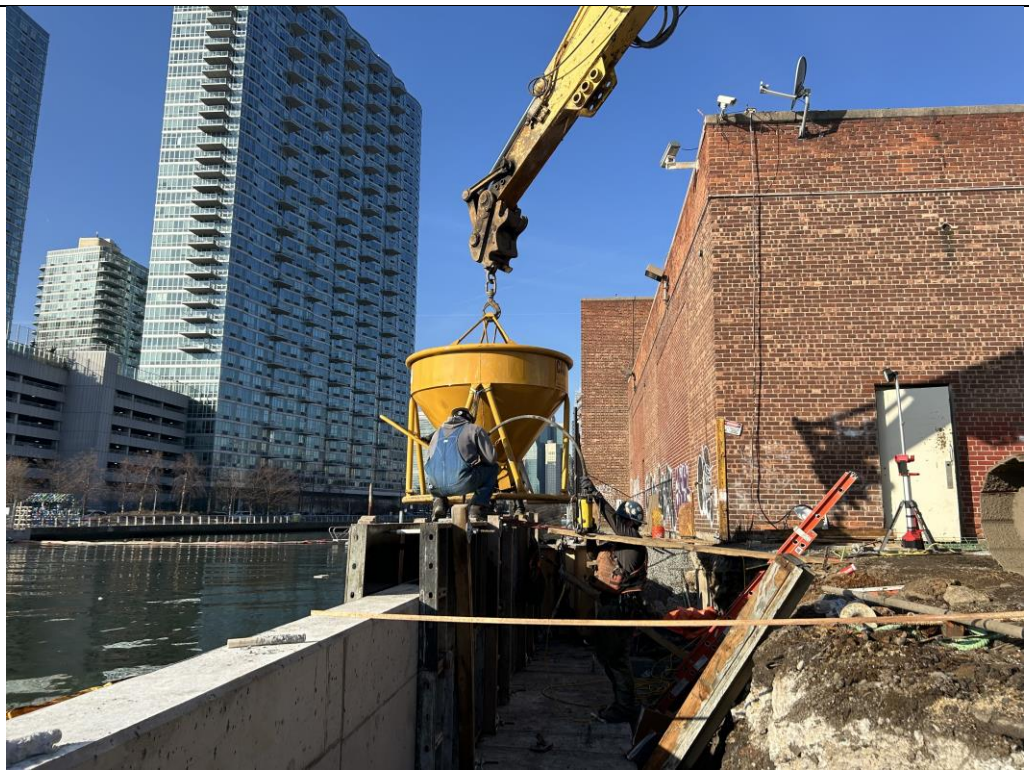
LEGEND

Approximate Site Boundary

General Area of Work

File Name: 2024.12.18 - Anable Basin Bulkhead Stabilization - Day 170

Photo Log

Photo 1: Trevcon pouring concrete in the south-central part of Block 25 (facing west).	
Photo 2: Trevcon importing 0.5-inch recycled aggregate in the eastern part of ABC Block 25 (facing west).	

File Name: 2024.12.18 - Anable Basin Bulkhead Stabilization - Day 170

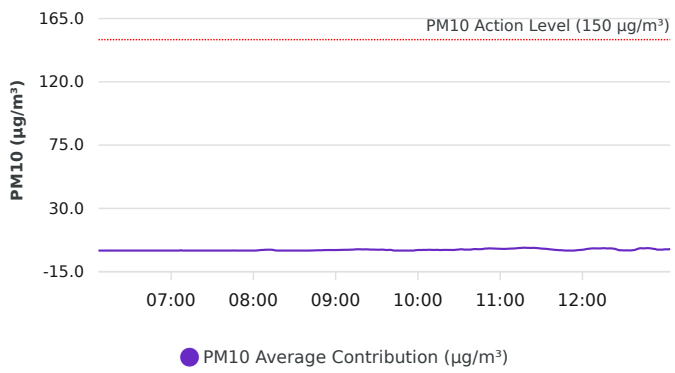
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/18/2024 04:00
		To:	12/18/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/18/2024	0.1-4.4	WSW

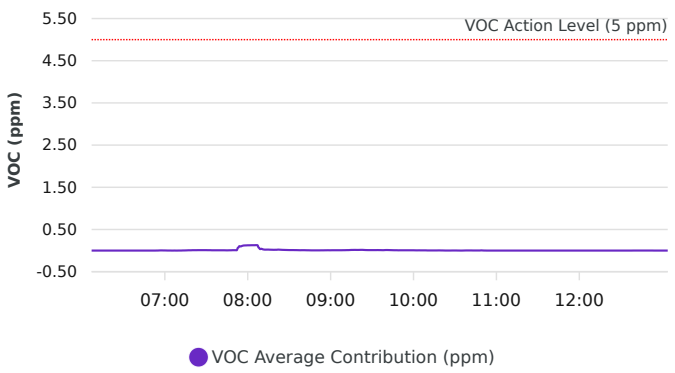
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/18/2024	0.0	06:07	0.00	06:07
Max Contribution (15 min avg.) - 12/18/2024	2.0	11:18	0.13	08:06



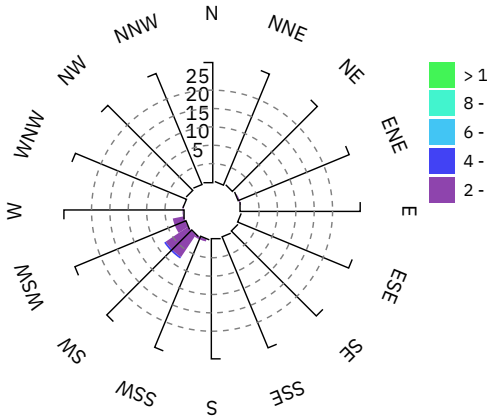
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 06:05:00							0.6	NE
12/18/2024 06:06:00							0.4	ENE
12/18/2024 06:07:00	9.1	6.0	0.0	0.05	0.00	0.00	0.4	E
12/18/2024 06:08:00	9.1	5.8	0.0	0.05	0.00	0.00	0.4	NE
12/18/2024 06:09:00	9.1	5.7	0.0	0.05	0.00	0.00	0.4	NE
12/18/2024 06:10:00	9.1	5.6	0.0	0.05	0.00	0.00	0.4	NE
12/18/2024 06:11:00	8.4	6.3	0.0	0.04	0.01	0.00	0.4	N
12/18/2024 06:12:00	8.3	6.2	0.0	0.04	0.01	0.00	0.4	NE
12/18/2024 06:13:00	8.1	6.1	0.0	0.03	0.01	0.00	0.5	NE
12/18/2024 06:14:00	8.0	6.4	0.0	0.03	0.01	0.00	0.5	NE
12/18/2024 06:15:00	8.1	6.7	0.0	0.03	0.01	0.00	0.5	ENE
12/18/2024 06:16:00	8.4	6.8	0.0	0.03	0.01	0.00	0.5	NE
12/18/2024 06:17:00	8.8	6.9	0.0	0.03	0.01	0.00	0.5	ENE
12/18/2024 06:18:00	9.1	6.9	0.0	0.03	0.01	0.00	0.5	ENE
12/18/2024 06:19:00	9.2	6.9	0.0	0.03	0.01	0.00	0.4	NE
12/18/2024 06:20:00	9.2	6.9	0.0	0.03	0.01	0.00	0.4	NE
12/18/2024 06:21:00	9.2	6.9	0.0	0.03	0.01	0.00	0.4	E
12/18/2024 06:22:00	9.2	6.9	0.0	0.02	0.01	0.00	0.4	E
12/18/2024 06:23:00	9.1	7.0	0.0	0.02	0.01	0.00	0.4	NE
12/18/2024 06:24:00	9.1	7.0	0.0	0.02	0.01	0.00	0.4	E
12/18/2024 06:25:00	9.0	7.0	0.0	0.02	0.01	0.00	0.4	E
12/18/2024 06:26:00	9.1	6.8	0.0	0.02	0.00	0.00	0.4	ESE
12/18/2024 06:27:00	9.0	6.8	0.0	0.02	0.00	0.00	0.4	ENE
12/18/2024 06:28:00	8.9	6.8	0.0	0.02	0.00	0.00	0.3	NE
12/18/2024 06:29:00	8.8	6.5	0.0	0.01	0.00	0.00	0.3	S
12/18/2024 06:30:00	8.7	6.3	0.0	0.01	0.00	0.00	0.3	ENE
12/18/2024 06:31:00	8.4	6.3	0.0	0.01	0.00	0.00	0.3	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 06:32:00	8.0	6.2	0.0	0.01	0.00	0.00	0.2	NE
12/18/2024 06:33:00	7.7	6.1	0.0	0.01	0.00	0.00	0.2	NE
12/18/2024 06:34:00	7.6	6.1	0.0	0.01	0.00	0.00	0.2	NNE
12/18/2024 06:35:00	7.6	6.1	0.0	0.01	0.00	0.00	0.3	NNE
12/18/2024 06:36:00	7.5	6.2	0.0	0.01	0.00	0.00	0.3	NE
12/18/2024 06:37:00	7.4	6.3	0.0	0.01	0.00	0.00	0.3	NE
12/18/2024 06:38:00	7.4	6.3	0.0	0.01	0.00	0.00	0.3	ENE
12/18/2024 06:39:00	7.7	6.5	0.0	0.01	0.00	0.00	0.4	ENE
12/18/2024 06:40:00	8.0	6.5	0.0	0.01	0.00	0.00	0.4	ENE
12/18/2024 06:41:00	8.3	6.7	0.0	0.01	0.00	0.00	0.4	NE
12/18/2024 06:42:00	8.4	7.1	0.0	0.01	0.00	0.00	0.4	E
12/18/2024 06:43:00	8.5	7.5	0.0	0.01	0.00	0.00	0.4	ESE
12/18/2024 06:44:00	8.9	7.6	0.0	0.01	0.00	0.00	0.4	SSW
12/18/2024 06:45:00	9.2	7.7	0.0	0.01	0.00	0.00	0.4	SW
12/18/2024 06:46:00	9.3	7.6	0.0	0.01	0.00	0.00	0.3	WNW
12/18/2024 06:47:00	9.3	7.6	0.0	0.01	0.01	0.00	0.3	W
12/18/2024 06:48:00	9.2	7.6	0.0	0.01	0.01	0.00	0.3	WSW
12/18/2024 06:49:00	9.0	7.6	0.0	0.01	0.01	0.00	0.2	WSW
12/18/2024 06:50:00	8.8	7.5	0.0	0.01	0.01	0.00	0.2	WSW
12/18/2024 06:51:00	8.9	7.4	0.0	0.01	0.01	0.00	0.1	ENE
12/18/2024 06:52:00	9.1	7.3	0.0	0.01	0.01	0.00	0.1	ENE
12/18/2024 06:53:00	9.0	7.5	0.0	0.01	0.01	0.00	0.1	W
12/18/2024 06:54:00	8.7	7.7	0.0	0.01	0.01	0.00	0.0	SW
12/18/2024 06:55:00	8.6	7.8	0.0	0.01	0.01	0.00	0.0	NNE
12/18/2024 06:56:00	8.5	7.9	0.0	0.00	0.01	0.00	0.1	WNW
12/18/2024 06:57:00	8.6	7.7	0.0	0.00	0.01	0.00	0.1	N
12/18/2024 06:58:00	8.6	7.5	0.0	0.00	0.01	0.00	0.2	S
12/18/2024 06:59:00	8.4	7.6	0.0	0.00	0.01	0.00	0.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 07:00:00	8.4	7.8	0.0	0.00	0.01	0.00	0.1	NNE
12/18/2024 07:01:00	8.5	8.0	0.0	0.00	0.01	0.00	0.1	ENE
12/18/2024 07:02:00	8.6	8.2	0.0	0.00	0.00	0.00	0.0	E
12/18/2024 07:03:00	8.7	8.3	0.0	0.00	0.00	0.00	0.0	NE
12/18/2024 07:04:00	8.8	8.4	0.0	0.00	0.00	0.00	0.1	NW
12/18/2024 07:05:00	8.8	8.4	0.0	0.00	0.00	0.00	0.1	SSE
12/18/2024 07:06:00	8.6	8.6	0.0	0.00	0.00	0.00	0.1	NE
12/18/2024 07:07:00	8.3	8.6	0.3	0.00	0.00	0.00	0.1	NE
12/18/2024 07:08:00	8.3	8.3	0.0	0.00	0.00	0.00	0.1	SW
12/18/2024 07:09:00	8.2	7.9	0.0	0.00	0.00	0.00	0.1	WSW
12/18/2024 07:10:00	8.1	7.7	0.0	0.00	0.00	0.00	0.0	SW
12/18/2024 07:11:00	8.0	7.6	0.0	0.00	0.00	0.00	0.0	WSW
12/18/2024 07:12:00	8.0	7.5	0.0	0.00	0.00	0.00	0.0	SSW
12/18/2024 07:13:00	8.0	7.3	0.0	0.00	0.00	0.00	0.1	SW
12/18/2024 07:14:00	7.9	7.2	0.0	0.00	0.01	0.00	0.1	SSW
12/18/2024 07:15:00	7.8	7.1	0.0	0.00	0.01	0.00	0.1	SSW
12/18/2024 07:16:00	7.6	6.9	0.0	0.00	0.01	0.01	0.2	SSW
12/18/2024 07:17:00	7.5	6.7	0.0	0.00	0.01	0.01	0.2	WNW
12/18/2024 07:18:00	7.4	6.5	0.0	0.00	0.01	0.01	0.2	NNW
12/18/2024 07:19:00	7.3	6.4	0.0	0.00	0.01	0.01	0.2	NNW
12/18/2024 07:20:00	7.3	6.3	0.0	0.00	0.01	0.01	0.2	N
12/18/2024 07:21:00	7.4	6.2	0.0	0.00	0.01	0.01	0.2	N
12/18/2024 07:22:00	7.4	6.1	0.0	0.00	0.01	0.01	0.2	NNE
12/18/2024 07:23:00	7.3	6.1	0.0	0.00	0.01	0.01	0.2	SSW
12/18/2024 07:24:00	7.2	6.1	0.0	0.00	0.01	0.01	0.2	N
12/18/2024 07:25:00	7.2	6.1	0.0	0.00	0.01	0.01	0.1	NNW
12/18/2024 07:26:00	7.0	6.0	0.0	0.00	0.01	0.01	0.1	SW
12/18/2024 07:27:00	6.9	5.9	0.0	0.00	0.01	0.01	0.1	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 07:28:00	6.7	5.9	0.0	0.00	0.01	0.01	0.1	WSW
12/18/2024 07:29:00	6.6	5.8	0.0	0.00	0.01	0.01	0.1	SW
12/18/2024 07:30:00	6.6	5.7	0.0	0.00	0.01	0.01	0.1	SW
12/18/2024 07:31:00	6.5	5.7	0.0	0.00	0.01	0.01	0.2	SSW
12/18/2024 07:32:00	6.4	5.6	0.0	0.00	0.01	0.01	0.2	WSW
12/18/2024 07:33:00	6.3	5.6	0.0	0.00	0.01	0.01	0.2	WSW
12/18/2024 07:34:00	6.2	5.5	0.0	0.00	0.01	0.01	0.2	S
12/18/2024 07:35:00	6.1	5.5	0.0	0.00	0.01	0.01	0.3	SW
12/18/2024 07:36:00	6.0	5.5	0.0	0.00	0.01	0.01	0.3	SSW
12/18/2024 07:37:00	5.9	5.4	0.0	0.00	0.01	0.01	0.3	NNW
12/18/2024 07:38:00	5.8	5.4	0.0	0.00	0.01	0.01	0.3	NW
12/18/2024 07:39:00	5.8	5.4	0.0	0.00	0.01	0.01	0.4	W
12/18/2024 07:40:00	5.7	5.4	0.0	0.00	0.01	0.01	0.4	WSW
12/18/2024 07:41:00	5.6	5.3	0.0	0.00	0.01	0.01	0.4	SW
12/18/2024 07:42:00	5.5	5.3	0.0	0.00	0.01	0.01	0.5	SSW
12/18/2024 07:43:00	5.5	5.3	0.0	0.00	0.01	0.01	0.5	SW
12/18/2024 07:44:00	5.4	5.4	0.0	0.00	0.01	0.01	0.5	WSW
12/18/2024 07:45:00	5.4	5.4	0.0	0.00	0.01	0.01	0.4	WSW
12/18/2024 07:46:00	5.4	5.4	0.1	0.00	0.01	0.01	0.4	W
12/18/2024 07:47:00	5.4	5.5	0.0	0.00	0.01	0.01	0.4	SW
12/18/2024 07:48:00	5.5	5.5	0.0	0.00	0.01	0.01	0.4	SW
12/18/2024 07:49:00	5.6	5.6	0.0	0.00	0.01	0.01	0.5	WSW
12/18/2024 07:50:00	5.7	5.7	0.0	0.00	0.01	0.01	0.5	WSW
12/18/2024 07:51:00	5.8	5.8	0.0	0.00	0.01	0.01	0.5	SSW
12/18/2024 07:52:00	6.1	5.9	0.0	0.00	0.01	0.01	0.5	SSW
12/18/2024 07:53:00	6.3	6.0	0.0	0.00	0.07	0.07	0.5	SSW
12/18/2024 07:54:00	6.5	6.2	0.0	0.01	0.11	0.10	0.6	SW
12/18/2024 07:55:00	6.7	6.4	0.0	0.01	0.11	0.10	0.5	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 07:56:00	6.9	6.7	0.0	0.01	0.13	0.11	0.5	WSW
12/18/2024 07:57:00	7.1	6.8	0.0	0.01	0.14	0.12	0.4	WNW
12/18/2024 07:58:00	7.2	7.0	0.0	0.02	0.14	0.12	0.4	NW
12/18/2024 07:59:00	7.4	7.1	0.0	0.02	0.14	0.12	0.4	N
12/18/2024 08:00:00	7.5	7.3	0.0	0.02	0.14	0.13	0.3	NNW
12/18/2024 08:01:00	7.5	7.4	0.0	0.02	0.14	0.13	0.3	N
12/18/2024 08:02:00	7.6	7.5	0.0	0.02	0.15	0.13	0.3	NNW
12/18/2024 08:03:00	7.6	7.7	0.1	0.02	0.15	0.13	0.3	N
12/18/2024 08:04:00	7.6	7.8	0.3	0.02	0.15	0.13	0.3	WSW
12/18/2024 08:05:00	7.5	7.8	0.3	0.02	0.15	0.13	0.3	NW
12/18/2024 08:06:00	7.4	7.8	0.5	0.02	0.15	0.13	0.3	NNW
12/18/2024 08:07:00	7.3	7.8	0.4	0.02	0.15	0.13	0.3	NNE
12/18/2024 08:08:00	7.2	7.7	0.5	0.02	0.09	0.07	0.4	N
12/18/2024 08:09:00	7.0	7.6	0.6	0.02	0.06	0.04	0.4	WSW
12/18/2024 08:10:00	6.8	7.5	0.6	0.01	0.06	0.04	0.4	WSW
12/18/2024 08:11:00	6.7	7.3	0.6	0.01	0.04	0.03	0.4	WNW
12/18/2024 08:12:00	6.5	7.1	0.6	0.01	0.03	0.02	0.4	N
12/18/2024 08:13:00	6.4	7.0	0.6	0.01	0.03	0.02	0.4	NW
12/18/2024 08:14:00	6.3	6.9	0.5	0.01	0.03	0.02	0.4	WSW
12/18/2024 08:15:00	6.4	6.7	0.3	0.01	0.03	0.02	0.4	NNW
12/18/2024 08:16:00	6.5	6.6	0.1	0.01	0.03	0.02	0.4	WSW
12/18/2024 08:17:00	6.5	6.5	0.0	0.01	0.03	0.02	0.4	N
12/18/2024 08:18:00	6.4	6.3	0.0	0.01	0.03	0.02	0.4	WNW
12/18/2024 08:19:00	6.5	6.2	0.0	0.01	0.03	0.02	0.4	SW
12/18/2024 08:20:00	6.5	6.1	0.0	0.01	0.03	0.02	0.4	W
12/18/2024 08:21:00	6.5	6.1	0.0	0.01	0.03	0.02	0.4	W
12/18/2024 08:22:00	6.5	6.2	0.0	0.00	0.03	0.02	0.5	SW
12/18/2024 08:23:00	6.4	6.2	0.0	0.00	0.03	0.02	0.5	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 08:24:00	6.4	6.1	0.0	0.00	0.02	0.02	0.5	NW
12/18/2024 08:25:00	6.5	6.1	0.0	0.00	0.02	0.02	0.5	WSW
12/18/2024 08:26:00	6.5	6.1	0.0	0.00	0.02	0.02	0.4	NNW
12/18/2024 08:27:00	6.5	6.0	0.0	0.00	0.02	0.01	0.5	W
12/18/2024 08:28:00	6.5	6.0	0.0	0.00	0.02	0.01	0.5	SW
12/18/2024 08:29:00	6.4	6.0	0.0	0.00	0.01	0.01	0.4	W
12/18/2024 08:30:00	6.2	5.9	0.0	0.00	0.01	0.01	0.5	SSW
12/18/2024 08:31:00	6.1	5.9	0.0	0.00	0.01	0.01	0.5	WSW
12/18/2024 08:32:00	6.0	5.8	0.0	0.00	0.01	0.01	0.6	SW
12/18/2024 08:33:00	6.0	5.8	0.0	0.00	0.01	0.01	0.6	SSW
12/18/2024 08:34:00	5.9	5.8	0.0	0.00	0.01	0.01	0.6	SW
12/18/2024 08:35:00	5.8	5.8	0.0	0.00	0.01	0.01	0.6	WNW
12/18/2024 08:36:00	5.7	5.7	0.0	0.00	0.01	0.01	0.5	SW
12/18/2024 08:37:00	5.7	5.6	0.0	0.00	0.01	0.01	0.6	SW
12/18/2024 08:38:00	5.7	5.5	0.0	0.00	0.01	0.01	0.6	SW
12/18/2024 08:39:00	5.6	5.5	0.0	0.00	0.01	0.01	0.7	SW
12/18/2024 08:40:00	5.5	5.5	0.0	0.00	0.01	0.01	0.7	W
12/18/2024 08:41:00	5.5	5.5	0.0	0.00	0.01	0.01	0.8	W
12/18/2024 08:42:00	5.4	5.5	0.1	0.00	0.01	0.01	0.8	SW
12/18/2024 08:43:00	5.4	5.5	0.1	0.00	0.01	0.01	0.8	S
12/18/2024 08:44:00	5.4	5.5	0.1	0.00	0.01	0.01	0.8	WSW
12/18/2024 08:45:00	5.4	5.5	0.2	0.00	0.01	0.01	0.8	SW
12/18/2024 08:46:00	5.5	5.6	0.1	0.00	0.01	0.01	0.8	S
12/18/2024 08:47:00	5.5	5.8	0.3	0.00	0.01	0.01	0.7	SSW
12/18/2024 08:48:00	5.6	5.8	0.2	0.00	0.01	0.01	0.7	SW
12/18/2024 08:49:00	5.6	5.8	0.2	0.00	0.01	0.01	0.7	SW
12/18/2024 08:50:00	5.7	5.9	0.3	0.00	0.01	0.01	0.8	WSW
12/18/2024 08:51:00	5.7	6.0	0.3	0.00	0.01	0.01	0.8	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 08:52:00	5.7	6.1	0.3	0.00	0.01	0.01	0.9	SW
12/18/2024 08:53:00	5.8	6.2	0.4	0.00	0.01	0.01	0.9	SW
12/18/2024 08:54:00	5.8	6.2	0.4	0.00	0.01	0.01	0.9	WSW
12/18/2024 08:55:00	5.9	6.3	0.4	0.00	0.01	0.01	0.9	WSW
12/18/2024 08:56:00	6.0	6.3	0.4	0.00	0.01	0.01	1.0	SW
12/18/2024 08:57:00	6.0	6.4	0.4	0.00	0.01	0.01	1.0	WSW
12/18/2024 08:58:00	6.1	6.5	0.4	0.00	0.01	0.01	1.0	SW
12/18/2024 08:59:00	6.1	6.5	0.4	0.00	0.01	0.01	1.1	WSW
12/18/2024 09:00:00	6.1	6.5	0.3	0.00	0.01	0.01	1.1	W
12/18/2024 09:01:00	6.0	6.5	0.4	0.00	0.01	0.01	1.1	SW
12/18/2024 09:02:00	6.0	6.4	0.4	0.00	0.01	0.01	1.2	W
12/18/2024 09:03:00	5.9	6.4	0.4	0.00	0.01	0.01	1.2	WSW
12/18/2024 09:04:00	5.8	6.3	0.5	0.00	0.01	0.01	1.2	W
12/18/2024 09:05:00	5.8	6.3	0.5	0.00	0.01	0.01	1.3	SW
12/18/2024 09:06:00	5.8	6.3	0.5	0.00	0.01	0.01	1.3	SW
12/18/2024 09:07:00	5.8	6.3	0.6	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:08:00	5.8	6.3	0.6	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:09:00	5.8	6.4	0.6	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:10:00	5.8	6.4	0.6	0.00	0.01	0.01	1.3	W
12/18/2024 09:11:00	5.8	6.5	0.6	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:12:00	5.9	6.5	0.7	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:13:00	5.9	6.6	0.7	0.00	0.01	0.01	1.3	SW
12/18/2024 09:14:00	5.9	6.7	0.8	0.00	0.01	0.01	1.3	W
12/18/2024 09:15:00	5.9	6.8	0.9	0.00	0.01	0.01	1.3	SW
12/18/2024 09:16:00	6.0	6.9	0.9	0.00	0.01	0.01	1.3	WSW
12/18/2024 09:17:00	6.0	6.9	0.9	0.00	0.02	0.02	1.3	WSW
12/18/2024 09:18:00	6.1	7.0	0.9	0.00	0.02	0.02	1.3	W
12/18/2024 09:19:00	6.2	7.0	0.8	0.00	0.01	0.01	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 09:20:00	6.2	7.0	0.8	0.00	0.02	0.01	1.1	SW
12/18/2024 09:21:00	6.2	7.1	0.8	0.00	0.02	0.02	1.2	WSW
12/18/2024 09:22:00	6.3	7.2	0.9	0.00	0.02	0.02	1.2	SSW
12/18/2024 09:23:00	6.3	7.2	0.9	0.00	0.02	0.02	1.2	SW
12/18/2024 09:24:00	6.3	7.1	0.8	0.00	0.02	0.01	1.1	NNE
12/18/2024 09:25:00	6.3	7.0	0.7	0.00	0.01	0.01	1.0	ENE
12/18/2024 09:26:00	6.2	6.9	0.7	0.00	0.01	0.01	1.0	SW
12/18/2024 09:27:00	6.2	6.9	0.7	0.00	0.01	0.01	0.9	WSW
12/18/2024 09:28:00	6.1	6.8	0.7	0.00	0.01	0.01	0.8	N
12/18/2024 09:29:00	6.1	6.8	0.6	0.00	0.01	0.01	0.8	WNW
12/18/2024 09:30:00	6.1	6.7	0.6	0.00	0.01	0.01	0.8	SW
12/18/2024 09:31:00	6.0	6.6	0.6	0.00	0.01	0.01	0.8	SW
12/18/2024 09:32:00	5.9	6.6	0.6	0.00	0.01	0.01	0.7	NW
12/18/2024 09:33:00	5.8	6.5	0.6	0.00	0.01	0.01	0.7	NNW
12/18/2024 09:34:00	5.7	6.4	0.7	0.00	0.01	0.01	0.7	W
12/18/2024 09:35:00	5.7	6.3	0.6	0.00	0.01	0.01	0.7	NW
12/18/2024 09:36:00	5.7	6.2	0.5	0.00	0.01	0.01	0.6	NW
12/18/2024 09:37:00	5.6	6.0	0.4	0.00	0.01	0.01	0.5	SSW
12/18/2024 09:38:00	5.5	5.9	0.4	0.00	0.01	0.01	0.5	SW
12/18/2024 09:39:00	5.4	5.9	0.5	0.00	0.01	0.01	0.6	SW
12/18/2024 09:40:00	5.3	5.9	0.5	0.00	0.01	0.01	0.7	WSW
12/18/2024 09:41:00	5.5	5.8	0.3	0.00	0.01	0.01	0.6	NW
12/18/2024 09:42:00	5.6	5.7	0.1	0.00	0.01	0.01	0.6	WSW
12/18/2024 09:43:00	5.8	5.6	0.0	0.00	0.01	0.01	0.6	SW
12/18/2024 09:44:00	5.9	5.6	0.0	0.00	0.01	0.01	0.6	WSW
12/18/2024 09:45:00	6.1	5.7	0.0	0.00	0.01	0.01	0.6	W
12/18/2024 09:46:00	6.2	5.8	0.0	0.00	0.01	0.01	0.5	SSW
12/18/2024 09:47:00	6.3	5.8	0.0	0.00	0.01	0.01	0.6	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 09:48:00	6.5	6.0	0.0	0.00	0.01	0.01	0.6	WSW
12/18/2024 09:49:00	6.6	6.0	0.0	0.00	0.01	0.01	0.6	NNE
12/18/2024 09:50:00	6.7	6.2	0.0	0.00	0.01	0.01	0.5	N
12/18/2024 09:51:00	6.7	6.3	0.0	0.00	0.01	0.01	0.5	N
12/18/2024 09:52:00	6.8	6.4	0.0	0.00	0.01	0.01	0.4	NNW
12/18/2024 09:53:00	6.9	6.5	0.0	0.00	0.01	0.01	0.4	NNW
12/18/2024 09:54:00	7.0	6.6	0.0	0.00	0.01	0.01	0.5	WSW
12/18/2024 09:55:00	7.0	6.7	0.0	0.00	0.01	0.01	0.5	SW
12/18/2024 09:56:00	6.9	6.7	0.0	0.00	0.01	0.01	0.5	W
12/18/2024 09:57:00	6.8	6.8	0.0	0.00	0.01	0.01	0.6	WSW
12/18/2024 09:58:00	6.5	6.8	0.2	0.00	0.01	0.01	0.6	WNW
12/18/2024 09:59:00	6.4	6.7	0.3	0.00	0.01	0.01	0.7	WSW
12/18/2024 10:00:00	6.2	6.6	0.4	0.00	0.01	0.01	0.7	SW
12/18/2024 10:01:00	6.1	6.5	0.4	0.00	0.01	0.01	0.7	W
12/18/2024 10:02:00	5.9	6.4	0.4	0.00	0.01	0.01	0.7	SW
12/18/2024 10:03:00	5.9	6.2	0.4	0.00	0.01	0.01	0.7	SW
12/18/2024 10:04:00	5.7	6.2	0.5	0.00	0.01	0.01	0.8	SW
12/18/2024 10:05:00	5.7	6.2	0.5	0.00	0.01	0.01	0.9	SW
12/18/2024 10:06:00	5.7	6.2	0.5	0.00	0.01	0.01	1.0	NW
12/18/2024 10:07:00	5.7	6.2	0.5	0.00	0.01	0.01	1.0	SW
12/18/2024 10:08:00	5.6	6.2	0.5	0.00	0.01	0.01	1.1	SW
12/18/2024 10:09:00	5.6	6.2	0.6	0.00	0.01	0.01	1.1	SW
12/18/2024 10:10:00	5.7	6.1	0.5	0.00	0.00	0.00	1.0	NNE
12/18/2024 10:11:00	5.7	6.2	0.5	0.00	0.00	0.00	1.0	NW
12/18/2024 10:12:00	5.8	6.3	0.4	0.00	0.00	0.00	0.8	NE
12/18/2024 10:13:00	5.9	6.4	0.5	0.00	0.00	0.00	0.8	WSW
12/18/2024 10:14:00	6.0	6.5	0.5	0.00	0.00	0.00	0.8	WSW
12/18/2024 10:15:00	6.2	6.6	0.5	0.00	0.00	0.00	0.6	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 10:16:00	6.3	6.7	0.4	0.00	0.00	0.00	0.4	ENE
12/18/2024 10:17:00	6.5	6.9	0.4	0.00	0.00	0.00	0.6	SW
12/18/2024 10:18:00	6.6	7.0	0.4	0.00	0.01	0.00	0.7	SW
12/18/2024 10:19:00	6.7	7.2	0.5	0.00	0.01	0.00	0.7	WSW
12/18/2024 10:20:00	6.8	7.3	0.5	0.00	0.00	0.00	0.7	SW
12/18/2024 10:21:00	6.9	7.4	0.5	0.00	0.00	0.00	0.7	WSW
12/18/2024 10:22:00	7.0	7.5	0.5	0.00	0.00	0.00	0.7	WSW
12/18/2024 10:23:00	7.1	7.5	0.5	0.00	0.00	0.00	0.6	W
12/18/2024 10:24:00	7.2	7.6	0.4	0.00	0.00	0.00	0.6	SW
12/18/2024 10:25:00	7.3	7.7	0.5	0.00	0.00	0.00	0.6	ENE
12/18/2024 10:26:00	7.3	7.7	0.4	0.00	0.00	0.00	0.5	NNE
12/18/2024 10:27:00	7.3	7.9	0.5	0.00	0.00	0.00	0.5	N
12/18/2024 10:28:00	7.3	7.9	0.6	0.00	0.00	0.00	0.5	SW
12/18/2024 10:29:00	7.3	8.0	0.7	0.00	0.00	0.00	0.6	SW
12/18/2024 10:30:00	7.2	8.0	0.8	0.00	0.00	0.00	0.8	WSW
12/18/2024 10:31:00	7.2	8.1	0.9	0.00	0.00	0.00	1.0	WSW
12/18/2024 10:32:00	7.2	8.1	0.9	0.00	0.00	0.00	0.8	NNW
12/18/2024 10:33:00	7.2	8.0	0.8	0.00	0.00	0.00	0.5	NE
12/18/2024 10:34:00	7.3	7.9	0.6	0.00	0.00	0.00	0.4	NNE
12/18/2024 10:35:00	7.2	7.9	0.7	0.00	0.00	0.00	0.4	N
12/18/2024 10:36:00	7.2	7.9	0.7	0.00	0.00	0.00	0.5	WNW
12/18/2024 10:37:00	7.2	7.9	0.7	0.00	0.01	0.00	0.6	WSW
12/18/2024 10:38:00	7.1	7.9	0.7	0.00	0.01	0.00	0.6	SW
12/18/2024 10:39:00	7.0	7.8	0.8	0.00	0.01	0.00	0.6	W
12/18/2024 10:40:00	6.8	7.8	0.9	0.00	0.01	0.00	0.7	SW
12/18/2024 10:41:00	6.6	7.7	1.1	0.00	0.01	0.00	0.9	SW
12/18/2024 10:42:00	6.5	7.6	1.1	0.00	0.01	0.00	1.0	W
12/18/2024 10:43:00	6.4	7.5	1.0	0.00	0.01	0.00	1.0	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 10:44:00	6.3	7.3	1.0	0.00	0.01	0.00	0.9	SW
12/18/2024 10:45:00	6.2	7.2	1.0	0.00	0.01	0.00	1.0	SSW
12/18/2024 10:46:00	6.1	7.1	1.0	0.00	0.01	0.00	1.0	WSW
12/18/2024 10:47:00	5.9	7.0	1.1	0.00	0.01	0.00	1.2	SW
12/18/2024 10:48:00	5.7	7.0	1.3	0.00	0.01	0.00	1.4	SSW
12/18/2024 10:49:00	5.5	6.9	1.4	0.00	0.01	0.01	1.5	WSW
12/18/2024 10:50:00	5.4	6.8	1.4	0.00	0.00	0.00	1.6	WSW
12/18/2024 10:51:00	5.3	6.8	1.5	0.00	0.00	0.00	1.6	SW
12/18/2024 10:52:00	5.1	6.7	1.6	0.00	0.00	0.00	1.5	WSW
12/18/2024 10:53:00	5.1	6.6	1.5	0.00	0.00	0.00	1.4	NW
12/18/2024 10:54:00	5.1	6.6	1.5	0.00	0.00	0.00	1.4	WSW
12/18/2024 10:55:00	5.1	6.6	1.5	0.00	0.00	0.00	1.4	W
12/18/2024 10:56:00	5.1	6.5	1.4	0.00	0.00	0.00	1.4	WSW
12/18/2024 10:57:00	5.1	6.5	1.4	0.00	0.00	0.00	1.4	WSW
12/18/2024 10:58:00	5.1	6.4	1.3	0.00	0.00	0.00	1.4	WNW
12/18/2024 10:59:00	5.1	6.3	1.3	0.00	0.00	0.00	1.3	WNW
12/18/2024 11:00:00	5.0	6.3	1.3	0.00	0.00	0.00	1.3	WSW
12/18/2024 11:01:00	5.1	6.3	1.2	0.00	0.00	0.00	1.2	WSW
12/18/2024 11:02:00	5.1	6.3	1.2	0.00	0.00	0.00	1.2	W
12/18/2024 11:03:00	5.1	6.3	1.2	0.00	0.00	0.00	1.2	WSW
12/18/2024 11:04:00	5.1	6.3	1.2	0.00	0.00	0.00	1.3	WSW
12/18/2024 11:05:00	5.0	6.3	1.3	0.00	0.00	0.00	1.4	SW
12/18/2024 11:06:00	5.0	6.3	1.3	0.00	0.00	0.00	1.4	SW
12/18/2024 11:07:00	4.9	6.2	1.3	0.00	0.00	0.00	1.5	SW
12/18/2024 11:08:00	4.8	6.2	1.4	0.00	0.00	0.00	1.6	WSW
12/18/2024 11:09:00	4.7	6.2	1.5	0.00	0.00	0.00	1.6	W
12/18/2024 11:10:00	4.7	6.2	1.5	0.00	0.00	0.00	1.6	WSW
12/18/2024 11:11:00	4.6	6.2	1.6	0.00	0.00	0.00	1.7	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 11:12:00	4.6	6.2	1.6	0.00	0.00	0.00	1.8	SW
12/18/2024 11:13:00	4.6	6.3	1.8	0.00	0.00	0.00	1.8	WSW
12/18/2024 11:14:00	4.6	6.4	1.8	0.00	0.00	0.00	1.8	WSW
12/18/2024 11:15:00	4.6	6.5	1.9	0.00	0.00	0.00	1.9	SW
12/18/2024 11:16:00	4.5	6.5	2.0	0.00	0.00	0.00	2.0	SW
12/18/2024 11:17:00	4.5	6.5	2.0	0.00	0.00	0.00	2.1	SW
12/18/2024 11:18:00	4.4	6.4	2.0	0.00	0.00	0.00	2.1	W
12/18/2024 11:19:00	4.4	6.3	2.0	0.00	0.00	0.00	2.0	WSW
12/18/2024 11:20:00	4.4	6.3	1.9	0.00	0.00	0.00	2.1	SSW
12/18/2024 11:21:00	4.6	6.5	1.9	0.00	0.00	0.00	2.1	WSW
12/18/2024 11:22:00	4.7	6.5	1.9	0.00	0.00	0.00	2.0	WSW
12/18/2024 11:23:00	4.8	6.6	1.9	0.00	0.00	0.00	2.1	SW
12/18/2024 11:24:00	4.9	6.8	1.9	0.00	0.00	0.00	2.1	SW
12/18/2024 11:25:00	5.0	6.9	1.9	0.00	0.00	0.00	2.0	WNW
12/18/2024 11:26:00	5.1	6.9	1.8	0.00	0.00	0.00	2.0	WSW
12/18/2024 11:27:00	5.2	7.0	1.8	0.00	0.00	0.00	1.9	WSW
12/18/2024 11:28:00	5.2	6.9	1.7	0.00	0.00	0.00	1.8	WNW
12/18/2024 11:29:00	5.3	6.8	1.5	0.00	0.00	0.00	1.7	NNW
12/18/2024 11:30:00	5.3	6.7	1.4	0.00	0.00	0.00	1.7	WSW
12/18/2024 11:31:00	5.3	6.7	1.4	0.00	0.00	0.00	1.6	WSW
12/18/2024 11:32:00	5.4	6.7	1.3	0.00	0.00	0.00	1.5	WSW
12/18/2024 11:33:00	5.5	6.7	1.3	0.00	0.00	0.00	1.6	WSW
12/18/2024 11:34:00	5.6	6.7	1.2	0.00	0.00	0.00	1.5	SW
12/18/2024 11:35:00	5.6	6.7	1.1	0.00	0.00	0.00	1.4	W
12/18/2024 11:36:00	5.5	6.5	0.9	0.00	0.00	0.00	1.3	WNW
12/18/2024 11:37:00	5.4	6.3	0.8	0.00	0.00	0.00	1.3	W
12/18/2024 11:38:00	5.3	6.1	0.7	0.00	0.00	0.00	1.2	WNW
12/18/2024 11:39:00	5.2	5.8	0.6	0.00	0.00	0.00	1.2	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 11:40:00	5.1	5.6	0.5	0.00	0.00	0.00	1.2	SW
12/18/2024 11:41:00	5.0	5.5	0.5	0.00	0.00	0.00	1.1	W
12/18/2024 11:42:00	5.0	5.4	0.3	0.00	0.00	0.00	1.2	SW
12/18/2024 11:43:00	5.0	5.3	0.3	0.00	0.00	0.00	1.2	WSW
12/18/2024 11:44:00	4.9	5.2	0.3	0.00	0.00	0.00	1.2	SW
12/18/2024 11:45:00	5.0	5.2	0.2	0.00	0.00	0.00	1.2	W
12/18/2024 11:46:00	4.9	5.1	0.2	0.00	0.00	0.00	1.2	SW
12/18/2024 11:47:00	4.9	5.0	0.0	0.00	0.00	0.00	1.2	SW
12/18/2024 11:48:00	5.0	4.9	0.0	0.00	0.00	0.00	1.2	SW
12/18/2024 11:49:00	4.9	4.8	0.0	0.00	0.00	0.00	1.2	WSW
12/18/2024 11:50:00	4.8	4.7	0.0	0.00	0.00	0.00	1.3	SW
12/18/2024 11:51:00	4.8	4.8	0.0	0.00	0.00	0.00	1.3	SW
12/18/2024 11:52:00	4.9	4.8	0.0	0.00	0.00	0.00	1.3	SW
12/18/2024 11:53:00	4.9	4.9	0.0	0.00	0.00	0.00	1.4	SSW
12/18/2024 11:54:00	5.0	5.0	0.0	0.00	0.00	0.00	1.4	SW
12/18/2024 11:55:00	5.0	5.1	0.1	0.00	0.00	0.00	1.4	SW
12/18/2024 11:56:00	4.9	5.1	0.3	0.00	0.00	0.00	1.5	SW
12/18/2024 11:57:00	4.8	5.2	0.3	0.00	0.00	0.00	1.4	SW
12/18/2024 11:58:00	4.8	5.2	0.4	0.00	0.00	0.00	1.5	WSW
12/18/2024 11:59:00	4.7	5.2	0.5	0.00	0.00	0.00	1.6	SW
12/18/2024 12:00:00	4.7	5.3	0.6	0.00	0.00	0.00	1.7	SW
12/18/2024 12:01:00	4.6	5.3	0.7	0.00	0.00	0.00	1.8	SW
12/18/2024 12:02:00	4.5	5.3	0.9	0.00	0.00	0.00	1.8	SW
12/18/2024 12:03:00	4.3	5.5	1.1	0.00	0.00	0.00	1.9	WSW
12/18/2024 12:04:00	4.3	5.5	1.2	0.00	0.00	0.00	1.9	W
12/18/2024 12:05:00	4.2	5.5	1.3	0.00	0.00	0.00	1.8	WSW
12/18/2024 12:06:00	4.1	5.5	1.4	0.00	0.00	0.00	1.8	NW
12/18/2024 12:07:00	4.0	5.6	1.5	0.00	0.00	0.00	1.7	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 12:08:00	4.0	5.6	1.6	0.00	0.00	0.00	1.7	SW
12/18/2024 12:09:00	3.9	5.5	1.6	0.00	0.00	0.00	1.6	NW
12/18/2024 12:10:00	3.9	5.4	1.5	0.00	0.00	0.00	1.5	NW
12/18/2024 12:11:00	3.8	5.3	1.5	0.00	0.00	0.00	1.5	W
12/18/2024 12:12:00	3.8	5.3	1.5	0.00	0.00	0.00	1.5	WNW
12/18/2024 12:13:00	3.8	5.3	1.5	0.00	0.00	0.00	1.4	WSW
12/18/2024 12:14:00	3.8	5.4	1.6	0.00	0.00	0.00	1.2	SSW
12/18/2024 12:15:00	3.8	5.4	1.7	0.00	0.00	0.00	1.2	SW
12/18/2024 12:16:00	3.8	5.4	1.7	0.00	0.00	0.00	1.1	W
12/18/2024 12:17:00	3.8	5.4	1.6	0.00	0.00	0.00	1.0	W
12/18/2024 12:18:00	3.8	5.3	1.5	0.00	0.00	0.00	1.0	SW
12/18/2024 12:19:00	3.8	5.4	1.5	0.00	0.00	0.00	1.0	SW
12/18/2024 12:20:00	3.8	5.4	1.6	0.00	0.00	0.00	1.1	SW
12/18/2024 12:21:00	3.9	5.4	1.5	0.00	0.00	0.00	1.3	SW
12/18/2024 12:22:00	3.9	5.4	1.5	0.00	0.00	0.00	1.4	WSW
12/18/2024 12:23:00	4.0	5.3	1.3	0.00	0.00	0.00	1.4	NW
12/18/2024 12:24:00	4.1	5.3	1.2	0.00	0.00	0.00	1.4	SW
12/18/2024 12:25:00	4.6	5.4	0.8	0.00	0.00	0.00	1.5	SW
12/18/2024 12:26:00	4.9	5.4	0.5	0.00	0.00	0.00	1.6	SW
12/18/2024 12:27:00	5.3	5.5	0.2	0.00	0.00	0.00	1.8	SW
12/18/2024 12:28:00	5.3	5.5	0.3	0.00	0.00	0.00	1.9	SW
12/18/2024 12:29:00	5.3	5.5	0.2	0.00	0.00	0.00	2.0	SW
12/18/2024 12:30:00	5.4	5.5	0.1	0.00	0.00	0.00	2.0	SW
12/18/2024 12:31:00	5.3	5.5	0.1	0.00	0.00	0.00	2.1	WSW
12/18/2024 12:32:00	5.3	5.5	0.1	0.00	0.00	0.00	2.1	SW
12/18/2024 12:33:00	5.3	5.5	0.1	0.00	0.00	0.00	2.1	SW
12/18/2024 12:34:00	5.3	5.5	0.1	0.00	0.00	0.00	2.0	SW
12/18/2024 12:35:00	5.4	5.4	0.1	0.00	0.00	0.00	1.9	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 12:36:00	5.3	5.5	0.2	0.00	0.00	0.00	1.9	SW
12/18/2024 12:37:00	5.3	5.6	0.3	0.00	0.00	0.00	1.8	WSW
12/18/2024 12:38:00	5.2	5.6	0.4	0.00	0.00	0.00	1.8	SSW
12/18/2024 12:39:00	5.0	5.7	0.7	0.00	0.00	0.00	1.8	WSW
12/18/2024 12:40:00	4.5	5.7	1.2	0.00	0.00	0.00	1.7	WNW
12/18/2024 12:41:00	4.3	5.7	1.4	0.00	0.00	0.00	1.7	WSW
12/18/2024 12:42:00	4.0	5.7	1.7	0.00	0.00	0.00	1.6	SW
12/18/2024 12:43:00	4.0	5.7	1.6	0.00	0.00	0.00	1.5	SW
12/18/2024 12:44:00	4.0	5.6	1.6	0.00	0.00	0.00	1.4	SSW
12/18/2024 12:45:00	4.0	5.6	1.6	0.00	0.00	0.00	1.5	SW
12/18/2024 12:46:00	4.0	5.7	1.6	0.00	0.00	0.00	1.6	SW
12/18/2024 12:47:00	4.1	5.8	1.7	0.00	0.00	0.00	1.5	SW
12/18/2024 12:48:00	4.1	5.8	1.7	0.00	0.00	0.00	1.4	W
12/18/2024 12:49:00	4.2	5.8	1.6	0.00	0.00	0.00	1.4	SSW
12/18/2024 12:50:00	4.2	5.8	1.6	0.00	0.00	0.00	1.4	SW
12/18/2024 12:51:00	4.3	5.6	1.3	0.00	0.00	0.00	1.3	SW
12/18/2024 12:52:00	4.3	5.5	1.2	0.00	0.00	0.00	1.3	WSW
12/18/2024 12:53:00	4.3	5.4	1.1	0.00	0.00	0.00	1.4	WSW
12/18/2024 12:54:00	4.5	5.2	0.8	0.00	0.00	0.00	1.4	WSW
12/18/2024 12:55:00	4.5	5.2	0.6	0.00	0.00	0.00	1.4	WSW
12/18/2024 12:56:00	4.5	5.2	0.7	0.00	0.00	0.00	1.5	WSW
12/18/2024 12:57:00	4.5	5.2	0.7	0.00	0.00	0.00	1.5	W
12/18/2024 12:58:00	4.5	5.2	0.7	0.00	0.00	0.00	1.5	WSW
12/18/2024 12:59:00	4.5	5.2	0.8	0.00	0.00	0.00	1.6	SW
12/18/2024 13:00:00	4.4	5.3	0.9	0.00	0.00	0.00	1.5	SW
12/18/2024 13:01:00	4.5	5.4	0.9	0.00	0.00	0.00	1.6	WSW
12/18/2024 13:02:00	4.5	5.3	0.8	0.00	0.00	0.00	1.7	WSW
12/18/2024 13:03:00	4.4	5.3	0.9	0.00	0.00	0.00	1.8	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/18/2024 13:04:00	4.3	5.5	1.1	0.00	0.00	0.00	1.9	SW

DAILY FIELD REPORT 171

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 19, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo & Alex David
Plaxall Inc. Jordan Hare
McLaren Engineering: Brett Wilkinson

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs] and WC-Structure 5 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon installed geotextile fabric on top of previously installed concrete planks in the south-central part of Block 25 to prepare for 0.5-inch recycled aggregate backfill and compaction.
- Trevcon backfilled and compacted an about 30-foot-long by 5-foot-wide area in the south-central part of ABC Block 25 to prepare for ASTM No. 57 stone backfill and compaction.
- Trevcon backfilled and compacted an about 30-foot-long by 5-foot-wide area in the south-central part of ABC Block 25 to complete the backfill sequence.
- Trevcon backfilled an about 30-foot-long by 2-foot-wide area in the south-central part of ABC Block 25 to complete the stone slope outside of the concrete retaining wall.

Material Tracking:

- Trevcon exported one truckload of non-hazardous fill/soil from waste characterization cells (WC-Structure 4 [0-10 feet bgs] and WC- Structure 5 [0-10 feet bgs]) to Bayshore Soil Management (BSM) in Keasbey, NJ.
- No material was imported to the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	1	**88**
	Quantity (CY)	20	**1740**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**11**
		Quantity (CY)	0	**220**

Samples Collected:

- No samples were taken today.

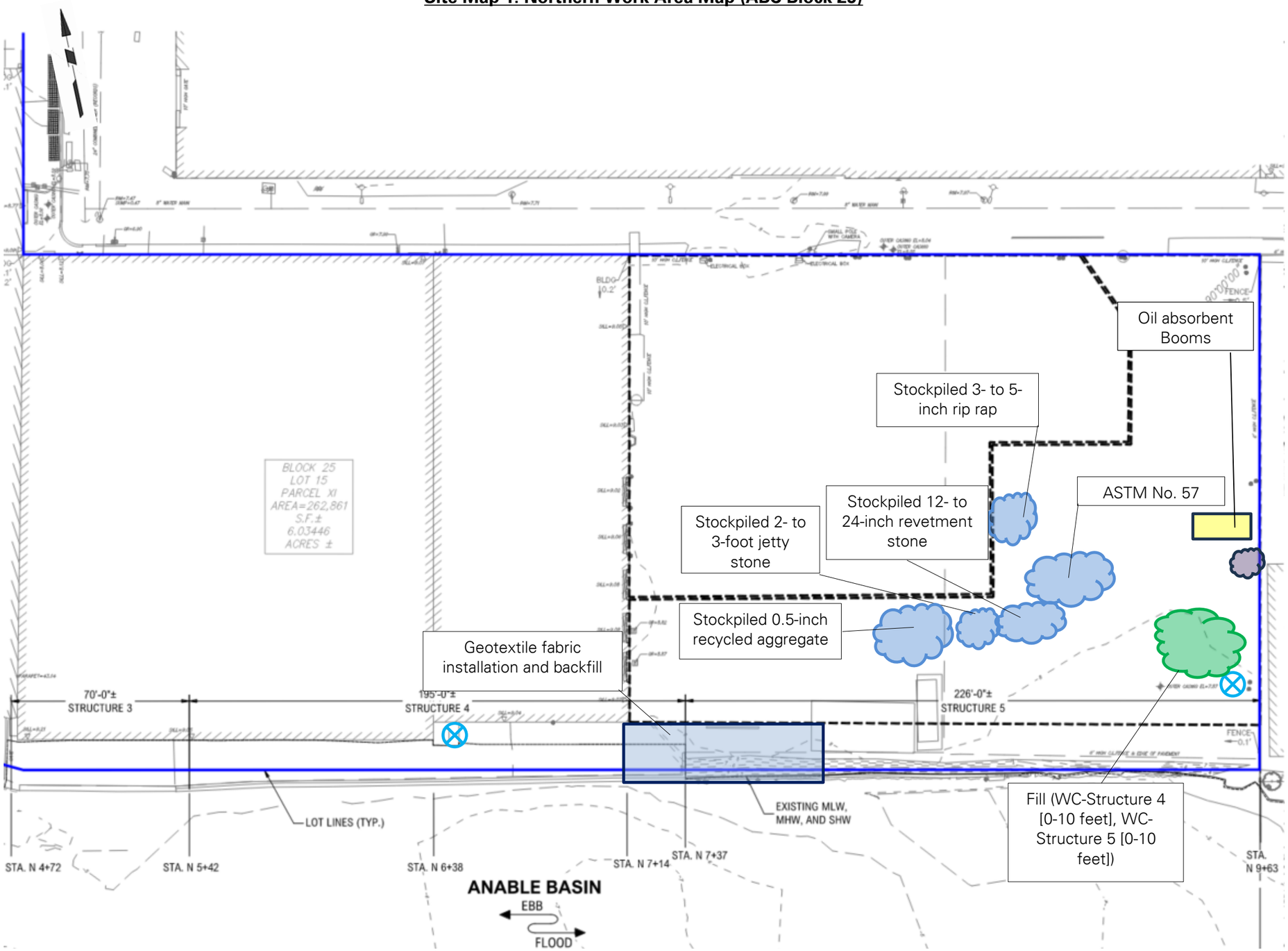
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

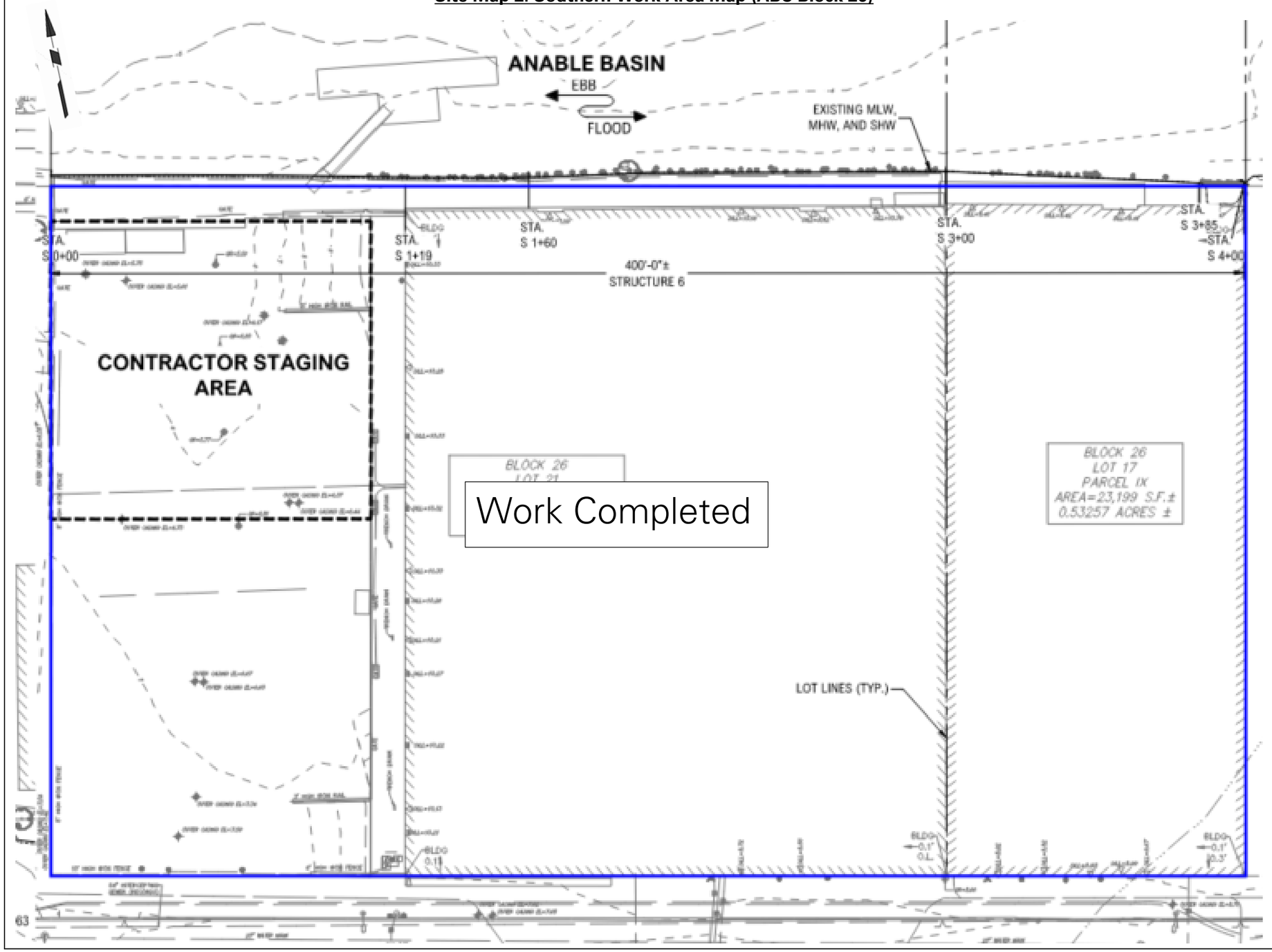


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.19 - Anable Basin Bulkhead Stabilization - Day 171

Site Map 2: Southern Work Area Map (ABC Block 26)

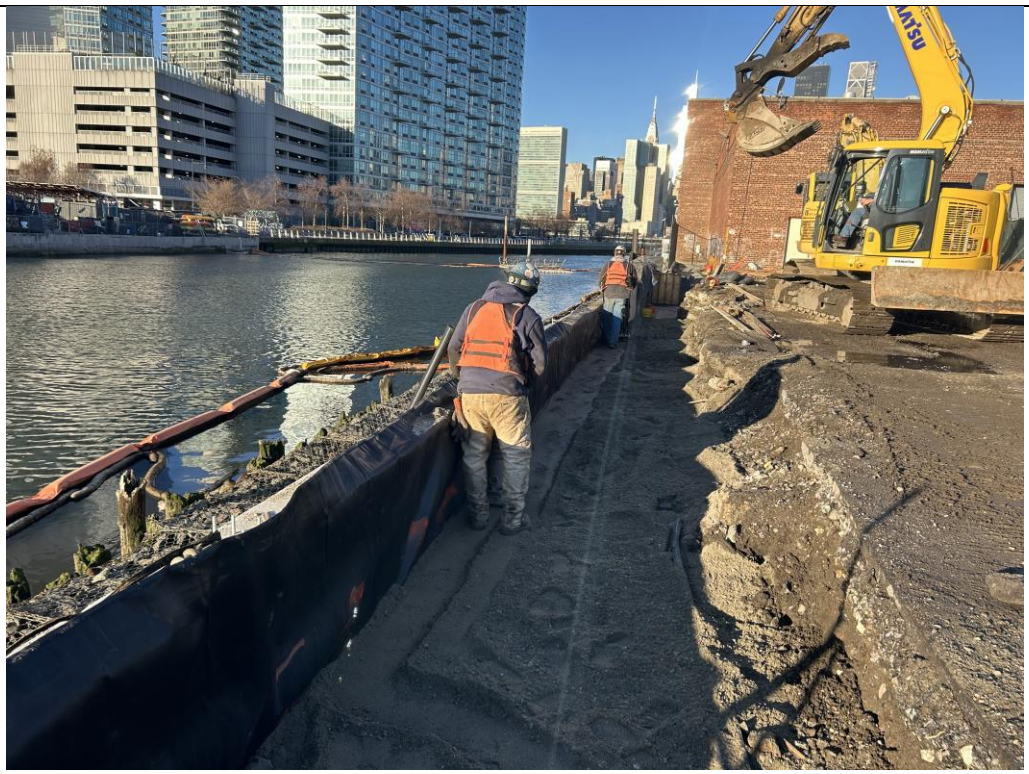
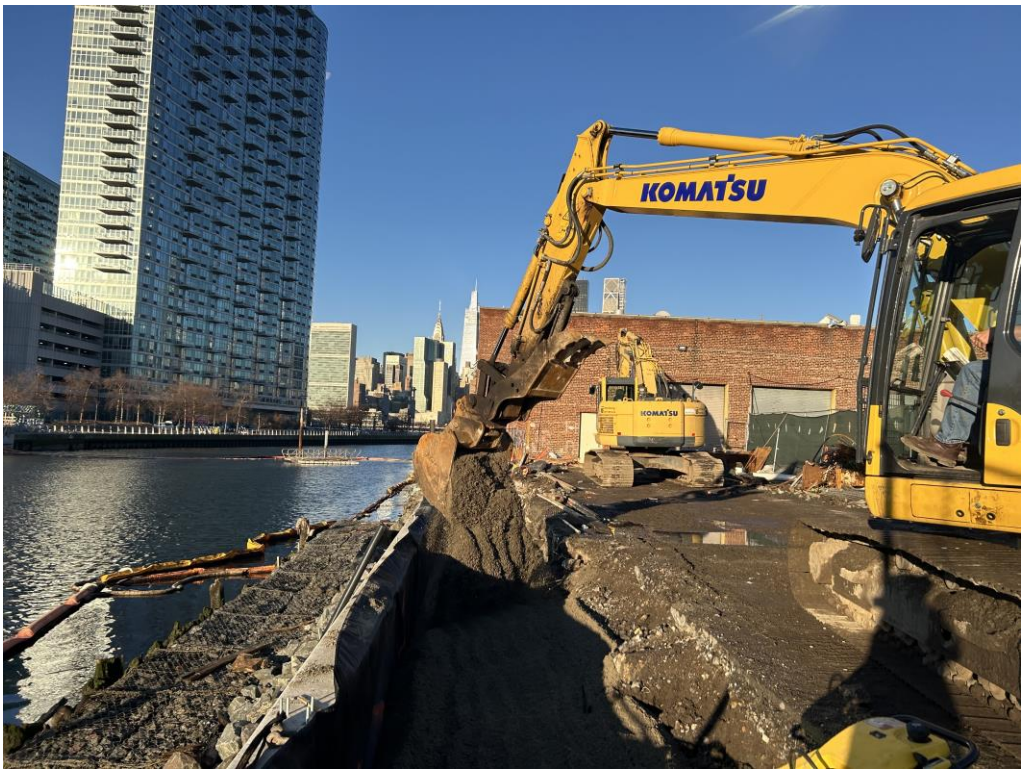


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.19 - Anable Basin Bulkhead Stabilization - Day 171

Photo Log

Photo 1: Trevcon compacting soil/fill in the south-central part of Block 25 (facing west).	
Photo 2: Trevcon backfilling in the south-central part of ABC Block 25 (facing west).	

File Name: 2024.12.19 - Anable Basin Bulkhead Stabilization - Day 171

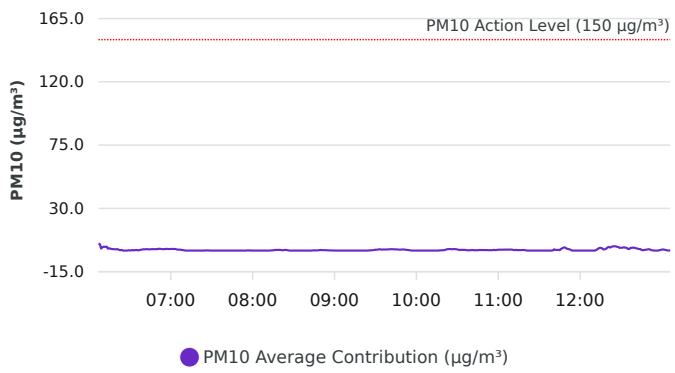
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/19/2024 04:00
		To:	12/19/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/19/2024	0.7-6.8	N

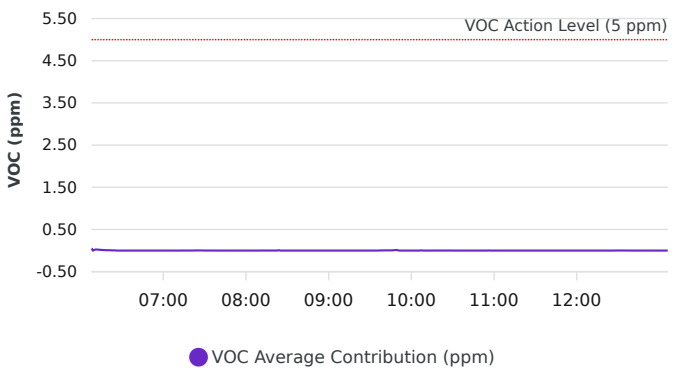
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/19/2024	0.0	06:26	0.00	06:09
Max Contribution (15 min avg.) - 12/19/2024	5.0	06:07	0.05	06:08



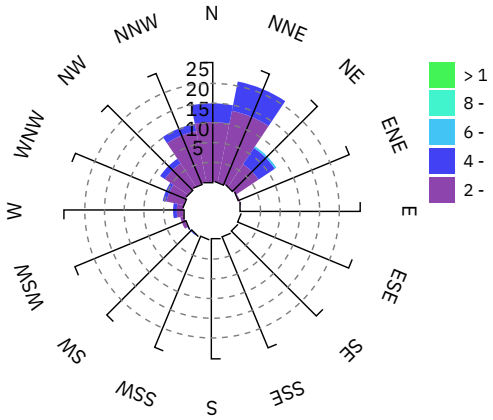
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 06:06:00							2.2	N
12/19/2024 06:07:00	3.2	8.2	5.0				2.4	WNW
12/19/2024 06:08:00	3.1	7.6	4.5	0.00	0.05	0.05	2.8	N
12/19/2024 06:09:00	4.4	6.0	1.5	0.03	0.03	0.00	2.6	NE
12/19/2024 06:10:00	3.9	6.2	2.3	0.02	0.03	0.02	2.8	N
12/19/2024 06:11:00	3.6	6.4	2.8	0.01	0.04	0.03	2.5	W
12/19/2024 06:12:00	3.4	6.0	2.6	0.01	0.03	0.02	2.3	W
12/19/2024 06:13:00	3.3	6.1	2.8	0.01	0.03	0.02	2.2	NW
12/19/2024 06:14:00	4.2	5.6	1.4	0.01	0.03	0.02	2.2	NNE
12/19/2024 06:15:00	4.1	5.7	1.6	0.01	0.02	0.02	2.3	N
12/19/2024 06:16:00	4.1	5.4	1.3	0.01	0.02	0.01	2.3	NNE
12/19/2024 06:17:00	4.1	5.2	1.0	0.01	0.02	0.01	2.4	NNE
12/19/2024 06:18:00	4.0	5.1	1.1	0.01	0.02	0.01	2.4	NNW
12/19/2024 06:19:00	4.0	4.9	0.9	0.01	0.02	0.01	2.4	NE
12/19/2024 06:20:00	4.0	4.9	0.9	0.01	0.01	0.01	2.4	N
12/19/2024 06:21:00	3.9	4.9	1.0	0.01	0.01	0.01	2.4	N
12/19/2024 06:22:00	4.0	4.5	0.6	0.01	0.01	0.01	2.5	NNE
12/19/2024 06:23:00	4.0	4.2	0.2	0.01	0.01	0.00	2.3	NNE
12/19/2024 06:24:00	3.8	4.2	0.4	0.00	0.01	0.01	2.1	S
12/19/2024 06:25:00	3.9	4.0	0.0	0.00	0.01	0.00	2.0	NE
12/19/2024 06:26:00	4.0	3.8	0.0	0.00	0.00	0.00	2.0	NW
12/19/2024 06:27:00	4.1	3.7	0.0	0.00	0.00	0.00	2.2	NE
12/19/2024 06:28:00	4.1	3.6	0.0	0.00	0.00	0.00	2.4	N
12/19/2024 06:29:00	3.5	3.7	0.2	0.00	0.00	0.00	2.4	NW
12/19/2024 06:30:00	3.5	3.6	0.1	0.00	0.00	0.00	2.4	NNW
12/19/2024 06:31:00	3.5	3.6	0.1	0.00	0.00	0.00	2.2	ENE
12/19/2024 06:32:00	3.3	3.7	0.4	0.00	0.00	0.00	2.1	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 06:33:00	3.4	3.6	0.2	0.00	0.00	0.00	2.2	N
12/19/2024 06:34:00	3.3	3.6	0.4	0.00	0.00	0.00	2.2	NW
12/19/2024 06:35:00	3.2	3.6	0.4	0.00	0.00	0.00	2.2	N
12/19/2024 06:36:00	3.3	3.5	0.1	0.00	0.00	0.00	2.2	NE
12/19/2024 06:37:00	3.2	3.5	0.4	0.00	0.00	0.00	2.2	NW
12/19/2024 06:38:00	3.1	3.6	0.6	0.00	0.00	0.00	2.2	NNW
12/19/2024 06:39:00	2.9	3.7	0.7	0.00	0.00	0.00	2.4	NNW
12/19/2024 06:40:00	2.8	3.7	0.9	0.00	0.00	0.00	2.5	N
12/19/2024 06:41:00	2.7	3.6	0.8	0.00	0.00	0.00	2.5	N
12/19/2024 06:42:00	2.5	3.6	1.0	0.00	0.00	0.00	2.6	NNW
12/19/2024 06:43:00	2.5	3.4	0.9	0.00	0.00	0.00	2.7	N
12/19/2024 06:44:00	2.5	3.3	0.9	0.00	0.00	0.00	2.7	N
12/19/2024 06:45:00	2.4	3.2	0.8	0.00	0.00	0.00	2.6	NNW
12/19/2024 06:46:00	2.2	3.3	1.1	0.00	0.00	0.00	2.6	W
12/19/2024 06:47:00	2.2	3.2	1.0	0.00	0.00	0.00	2.6	N
12/19/2024 06:48:00	2.1	3.1	1.0	0.00	0.00	0.00	2.5	NE
12/19/2024 06:49:00	2.1	3.1	1.0	0.00	0.00	0.00	2.5	NNW
12/19/2024 06:50:00	2.1	3.1	1.0	0.00	0.00	0.00	2.6	NNW
12/19/2024 06:51:00	1.9	3.2	1.3	0.00	0.00	0.00	2.7	N
12/19/2024 06:52:00	1.9	3.1	1.2	0.00	0.00	0.00	2.9	N
12/19/2024 06:53:00	1.9	3.0	1.1	0.00	0.00	0.00	3.0	N
12/19/2024 06:54:00	1.9	2.9	1.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 06:55:00	1.9	2.9	1.0	0.00	0.00	0.00	3.0	NNW
12/19/2024 06:56:00	1.9	3.0	1.1	0.00	0.00	0.00	3.0	NW
12/19/2024 06:57:00	1.9	3.1	1.3	0.00	0.00	0.00	2.8	WSW
12/19/2024 06:58:00	1.9	3.0	1.1	0.00	0.00	0.00	2.6	NNE
12/19/2024 06:59:00	1.9	3.0	1.1	0.00	0.00	0.00	2.6	N
12/19/2024 07:00:00	1.9	3.1	1.1	0.00	0.00	0.00	2.7	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 07:01:00	1.9	3.1	1.1	0.00	0.00	0.00	2.8	N
12/19/2024 07:02:00	1.9	3.1	1.1	0.00	0.00	0.00	2.8	N
12/19/2024 07:03:00	1.9	3.1	1.2	0.00	0.00	0.00	2.9	NE
12/19/2024 07:04:00	2.0	2.9	0.9	0.00	0.00	0.00	2.9	NE
12/19/2024 07:05:00	2.0	2.7	0.7	0.00	0.00	0.00	2.9	NNE
12/19/2024 07:06:00	2.0	2.7	0.7	0.00	0.00	0.00	2.8	NNW
12/19/2024 07:07:00	2.0	2.6	0.7	0.00	0.00	0.00	2.7	N
12/19/2024 07:08:00	2.1	2.5	0.5	0.00	0.00	0.00	2.6	NNE
12/19/2024 07:09:00	2.2	2.5	0.4	0.00	0.00	0.00	2.7	NNE
12/19/2024 07:10:00	2.3	2.4	0.2	0.00	0.00	0.00	2.8	NNE
12/19/2024 07:11:00	2.3	2.3	0.0	0.00	0.00	0.00	2.9	NNE
12/19/2024 07:12:00	2.4	2.0	0.0	0.00	0.00	0.00	3.3	NE
12/19/2024 07:13:00	2.2	2.1	0.0	0.00	0.00	0.00	3.3	N
12/19/2024 07:14:00	2.2	2.1	0.0	0.00	0.00	0.00	3.2	NW
12/19/2024 07:15:00	2.2	2.0	0.0	0.00	0.00	0.00	3.2	N
12/19/2024 07:16:00	2.3	1.9	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 07:17:00	2.4	1.8	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 07:18:00	2.3	1.9	0.0	0.00	0.00	0.00	3.3	N
12/19/2024 07:19:00	2.2	1.9	0.0	0.00	0.00	0.00	3.3	NE
12/19/2024 07:20:00	2.3	1.9	0.0	0.00	0.00	0.00	3.4	NNE
12/19/2024 07:21:00	2.3	1.9	0.0	0.00	0.00	0.00	3.3	NW
12/19/2024 07:22:00	2.3	1.9	0.0	0.00	0.00	0.00	3.3	N
12/19/2024 07:23:00	2.2	1.9	0.0	0.00	0.00	0.00	3.2	N
12/19/2024 07:24:00	2.1	1.9	0.0	0.00	0.00	0.00	3.2	NNE
12/19/2024 07:25:00	2.0	2.0	0.1	0.00	0.00	0.00	3.1	NNW
12/19/2024 07:26:00	2.0	2.1	0.1	0.00	0.00	0.00	3.1	N
12/19/2024 07:27:00	2.0	2.1	0.2	0.00	0.00	0.00	3.0	NNW
12/19/2024 07:28:00	2.0	2.0	0.0	0.00	0.00	0.00	3.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 07:29:00	2.1	1.9	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 07:30:00	2.2	1.9	0.0	0.00	0.00	0.00	2.9	NE
12/19/2024 07:31:00	2.2	1.9	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 07:32:00	2.2	1.9	0.0	0.00	0.00	0.00	3.1	NNE
12/19/2024 07:33:00	2.2	1.9	0.0	0.00	0.00	0.00	3.0	NW
12/19/2024 07:34:00	2.1	1.9	0.0	0.00	0.00	0.00	3.0	N
12/19/2024 07:35:00	2.1	1.9	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 07:36:00	2.1	1.9	0.0	0.00	0.00	0.00	3.1	NNE
12/19/2024 07:37:00	2.2	1.8	0.0	0.00	0.00	0.00	3.2	NNE
12/19/2024 07:38:00	2.3	1.8	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 07:39:00	2.2	1.7	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 07:40:00	2.3	1.7	0.0	0.00	0.00	0.00	3.3	NE
12/19/2024 07:41:00	2.4	1.7	0.0	0.00	0.00	0.00	3.3	NE
12/19/2024 07:42:00	2.5	1.6	0.0	0.00	0.00	0.00	3.6	NNE
12/19/2024 07:43:00	2.5	1.7	0.0	0.00	0.00	0.00	3.6	N
12/19/2024 07:44:00	2.5	1.7	0.0	0.00	0.00	0.00	3.7	NNE
12/19/2024 07:45:00	2.4	1.9	0.0	0.00	0.00	0.00	3.6	N
12/19/2024 07:46:00	2.3	1.9	0.0	0.00	0.00	0.00	3.4	NNW
12/19/2024 07:47:00	2.3	2.0	0.0	0.00	0.00	0.00	3.3	N
12/19/2024 07:48:00	2.4	1.9	0.0	0.00	0.00	0.00	3.3	NE
12/19/2024 07:49:00	2.5	1.9	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 07:50:00	2.4	2.0	0.0	0.00	0.00	0.00	3.1	N
12/19/2024 07:51:00	2.3	2.1	0.0	0.00	0.00	0.00	3.1	NNW
12/19/2024 07:52:00	2.4	2.1	0.0	0.00	0.00	0.00	2.9	NNE
12/19/2024 07:53:00	2.4	2.1	0.0	0.00	0.00	0.00	2.8	NNE
12/19/2024 07:54:00	2.3	2.2	0.0	0.00	0.00	0.00	2.7	N
12/19/2024 07:55:00	2.3	2.2	0.0	0.00	0.00	0.00	2.8	NNE
12/19/2024 07:56:00	2.2	2.3	0.1	0.00	0.00	0.00	2.7	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 07:57:00	2.1	2.3	0.2	0.00	0.00	0.00	2.5	NNE
12/19/2024 07:58:00	2.2	2.2	0.0	0.00	0.00	0.00	2.6	NNE
12/19/2024 07:59:00	2.2	2.3	0.1	0.00	0.00	0.00	2.4	NW
12/19/2024 08:00:00	2.2	2.2	0.0	0.00	0.00	0.00	2.6	NNE
12/19/2024 08:01:00	2.3	2.1	0.0	0.00	0.00	0.00	2.7	NE
12/19/2024 08:02:00	2.4	2.0	0.0	0.00	0.00	0.00	2.9	NE
12/19/2024 08:03:00	2.3	2.1	0.0	0.00	0.00	0.00	3.0	NNW
12/19/2024 08:04:00	2.3	2.1	0.0	0.00	0.00	0.00	3.1	NNE
12/19/2024 08:05:00	2.3	2.0	0.0	0.00	0.00	0.00	3.1	N
12/19/2024 08:06:00	2.2	2.0	0.0	0.00	0.00	0.00	3.1	NNW
12/19/2024 08:07:00	2.1	2.0	0.0	0.00	0.00	0.00	3.0	NW
12/19/2024 08:08:00	2.1	2.0	0.0	0.00	0.00	0.00	3.1	NNE
12/19/2024 08:09:00	2.2	1.9	0.0	0.00	0.00	0.00	3.2	NNE
12/19/2024 08:10:00	2.2	2.0	0.0	0.00	0.00	0.00	3.1	NW
12/19/2024 08:11:00	2.1	1.9	0.0	0.00	0.00	0.00	3.0	WNW
12/19/2024 08:12:00	2.0	2.0	0.0	0.00	0.00	0.00	2.9	WNW
12/19/2024 08:13:00	1.9	2.0	0.1	0.00	0.00	0.00	2.7	WNW
12/19/2024 08:14:00	1.9	2.0	0.1	0.00	0.00	0.00	2.9	N
12/19/2024 08:15:00	1.9	2.1	0.2	0.00	0.00	0.00	2.8	N
12/19/2024 08:16:00	1.8	2.1	0.4	0.00	0.00	0.00	2.8	NNW
12/19/2024 08:17:00	1.7	2.3	0.5	0.00	0.00	0.00	2.7	N
12/19/2024 08:18:00	1.8	2.2	0.4	0.00	0.00	0.00	2.7	NNE
12/19/2024 08:19:00	1.8	2.3	0.5	0.00	0.00	0.00	2.7	N
12/19/2024 08:20:00	1.8	2.3	0.5	0.00	0.00	0.00	2.7	NNE
12/19/2024 08:21:00	1.9	2.3	0.4	0.00	0.00	0.00	2.8	NNE
12/19/2024 08:22:00	2.0	2.2	0.2	0.00	0.00	0.00	2.8	NNE
12/19/2024 08:23:00	1.9	2.3	0.4	0.00	0.00	0.00	2.8	N
12/19/2024 08:24:00	1.9	2.4	0.5	0.00	0.01	0.01	2.7	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 08:25:00	1.9	2.3	0.4	0.04	0.01	0.00	2.7	NNE
12/19/2024 08:26:00	2.0	2.2	0.2	0.13	0.01	0.00	2.8	NNE
12/19/2024 08:27:00	2.2	2.2	0.0	0.16	0.01	0.00	2.9	NE
12/19/2024 08:28:00	2.2	2.2	0.0	0.16	0.01	0.00	3.1	NNW
12/19/2024 08:29:00	2.2	2.1	0.0	0.16	0.01	0.00	3.1	NNE
12/19/2024 08:30:00	2.3	2.1	0.0	0.16	0.01	0.00	3.2	N
12/19/2024 08:31:00	2.3	2.0	0.0	0.16	0.01	0.00	3.3	NNW
12/19/2024 08:32:00	2.2	2.0	0.0	0.16	0.01	0.00	3.5	N
12/19/2024 08:33:00	2.2	1.9	0.0	0.16	0.01	0.00	3.4	NNE
12/19/2024 08:34:00	2.2	1.8	0.0	0.16	0.01	0.00	3.4	NE
12/19/2024 08:35:00	2.2	1.8	0.0	0.16	0.01	0.00	3.4	N
12/19/2024 08:36:00	2.2	1.8	0.0	0.16	0.01	0.00	3.2	NNW
12/19/2024 08:37:00	2.1	1.8	0.0	0.16	0.01	0.00	3.3	NNE
12/19/2024 08:38:00	2.2	1.7	0.0	0.16	0.00	0.00	3.3	NNE
12/19/2024 08:39:00	2.2	1.7	0.0	0.16	0.00	0.00	3.5	N
12/19/2024 08:40:00	2.1	1.7	0.0	0.12	0.00	0.00	3.6	N
12/19/2024 08:41:00	2.0	1.8	0.0	0.04	0.00	0.00	3.5	NW
12/19/2024 08:42:00	1.8	1.8	0.0	0.00	0.00	0.00	3.6	N
12/19/2024 08:43:00	1.8	1.8	0.0	0.00	0.00	0.00	3.5	NNW
12/19/2024 08:44:00	1.7	1.8	0.1	0.00	0.00	0.00	3.6	N
12/19/2024 08:45:00	1.7	1.8	0.2	0.00	0.00	0.00	3.6	N
12/19/2024 08:46:00	1.7	1.8	0.1	0.00	0.00	0.00	3.5	NNW
12/19/2024 08:47:00	1.6	1.8	0.1	0.00	0.00	0.00	3.4	NNW
12/19/2024 08:48:00	1.6	1.8	0.2	0.00	0.00	0.00	3.5	NNW
12/19/2024 08:49:00	1.5	1.9	0.3	0.00	0.00	0.00	3.5	WNW
12/19/2024 08:50:00	1.4	1.9	0.4	0.00	0.00	0.00	3.5	NNW
12/19/2024 08:51:00	1.5	1.8	0.3	0.00	0.00	0.00	3.5	NE
12/19/2024 08:52:00	1.4	1.7	0.3	0.00	0.00	0.00	3.4	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 08:53:00	1.4	1.7	0.3	0.00	0.00	0.00	3.5	NE
12/19/2024 08:54:00	1.4	1.7	0.2	0.00	0.00	0.00	3.3	NNE
12/19/2024 08:55:00	1.5	1.7	0.1	0.00	0.00	0.00	3.3	N
12/19/2024 08:56:00	1.5	1.7	0.2	0.00	0.00	0.00	3.4	N
12/19/2024 08:57:00	1.5	1.6	0.1	0.00	0.00	0.00	3.3	NNE
12/19/2024 08:58:00	1.5	1.6	0.1	0.00	0.00	0.00	3.3	N
12/19/2024 08:59:00	1.5	1.6	0.1	0.00	0.00	0.00	3.2	NNW
12/19/2024 09:00:00	1.5	1.5	0.0	0.00	0.00	0.00	3.1	NW
12/19/2024 09:01:00	1.5	1.5	0.0	0.00	0.00	0.00	3.2	N
12/19/2024 09:02:00	1.5	1.5	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 09:03:00	1.5	1.4	0.0	0.00	0.00	0.00	3.2	N
12/19/2024 09:04:00	1.5	1.3	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 09:05:00	1.5	1.3	0.0	0.00	0.00	0.00	3.3	NNE
12/19/2024 09:06:00	1.5	1.3	0.0	0.00	0.00	0.00	3.4	NE
12/19/2024 09:07:00	1.4	1.3	0.0	0.00	0.00	0.00	3.5	NE
12/19/2024 09:08:00	1.4	1.2	0.0	0.00	0.00	0.00	3.5	N
12/19/2024 09:09:00	1.4	1.2	0.0	0.00	0.00	0.00	3.5	NE
12/19/2024 09:10:00	1.4	1.1	0.0	0.00	0.00	0.00	3.5	NNE
12/19/2024 09:11:00	1.4	1.1	0.0	0.00	0.00	0.00	3.5	NNE
12/19/2024 09:12:00	1.3	1.1	0.0	0.00	0.00	0.00	3.6	N
12/19/2024 09:13:00	1.3	1.1	0.0	0.00	0.00	0.00	3.7	N
12/19/2024 09:14:00	1.3	1.0	0.0	0.00	0.00	0.00	3.8	NNE
12/19/2024 09:15:00	1.3	0.9	0.0	0.00	0.00	0.00	3.9	NE
12/19/2024 09:16:00	1.3	0.9	0.0	0.00	0.00	0.00	4.0	N
12/19/2024 09:17:00	1.3	0.9	0.0	0.00	0.00	0.00	4.0	NNE
12/19/2024 09:18:00	1.5	0.9	0.0	0.00	0.00	0.00	4.0	NNE
12/19/2024 09:19:00	1.4	0.9	0.0	0.00	0.00	0.00	4.0	NNW
12/19/2024 09:20:00	1.3	1.0	0.0	0.00	0.00	0.00	3.9	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 09:21:00	1.3	1.0	0.0	0.00	0.00	0.00	3.8	NNE
12/19/2024 09:22:00	1.2	1.1	0.0	0.00	0.00	0.00	3.7	N
12/19/2024 09:23:00	1.2	1.1	0.0	0.00	0.00	0.00	3.7	N
12/19/2024 09:24:00	1.2	1.1	0.0	0.00	0.00	0.00	3.9	NE
12/19/2024 09:25:00	1.1	1.1	0.1	0.00	0.00	0.00	4.0	N
12/19/2024 09:26:00	1.0	1.2	0.2	0.00	0.00	0.00	4.0	N
12/19/2024 09:27:00	1.0	1.2	0.2	0.00	0.00	0.00	3.9	NW
12/19/2024 09:28:00	1.0	1.3	0.3	0.00	0.00	0.00	3.9	NW
12/19/2024 09:29:00	0.9	1.4	0.4	0.00	0.00	0.00	3.8	WNW
12/19/2024 09:30:00	0.9	1.5	0.6	0.00	0.00	0.00	3.9	NNW
12/19/2024 09:31:00	0.9	1.5	0.6	0.00	0.00	0.00	3.9	WNW
12/19/2024 09:32:00	0.8	1.6	0.7	0.00	0.00	0.00	3.9	NW
12/19/2024 09:33:00	0.7	1.6	0.9	0.00	0.00	0.00	3.9	WNW
12/19/2024 09:34:00	0.7	1.5	0.8	0.00	0.00	0.00	3.8	NNE
12/19/2024 09:35:00	0.8	1.4	0.7	0.00	0.00	0.00	3.8	NNE
12/19/2024 09:36:00	0.7	1.5	0.8	0.00	0.00	0.00	3.8	NNW
12/19/2024 09:37:00	0.8	1.5	0.8	0.00	0.00	0.00	3.8	NNW
12/19/2024 09:38:00	0.8	1.5	0.8	0.00	0.00	0.00	3.8	NW
12/19/2024 09:39:00	0.7	1.6	0.8	0.00	0.00	0.00	3.8	W
12/19/2024 09:40:00	0.7	1.6	0.9	0.00	0.00	0.00	3.7	NW
12/19/2024 09:41:00	0.7	1.7	1.0	0.00	0.01	0.01	3.8	NW
12/19/2024 09:42:00	0.7	1.7	1.0	0.00	0.01	0.01	3.6	N
12/19/2024 09:43:00	0.7	1.6	0.9	0.00	0.01	0.01	3.4	NNW
12/19/2024 09:44:00	0.6	1.5	0.9	0.00	0.01	0.01	3.3	WNW
12/19/2024 09:45:00	0.6	1.4	0.8	0.00	0.01	0.01	3.2	NNW
12/19/2024 09:46:00	0.6	1.4	0.8	0.00	0.01	0.01	3.2	NNW
12/19/2024 09:47:00	0.6	1.3	0.7	0.00	0.01	0.01	3.0	NE
12/19/2024 09:48:00	0.6	1.3	0.6	0.00	0.01	0.01	3.1	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 09:49:00	0.6	1.3	0.7	0.00	0.01	0.01	3.1	NE
12/19/2024 09:50:00	0.5	1.3	0.8	0.01	0.01	0.01	3.0	WNW
12/19/2024 09:51:00	0.5	1.2	0.7	0.01	0.01	0.00	3.1	N
12/19/2024 09:52:00	0.5	1.2	0.6	0.02	0.01	0.00	3.1	NW
12/19/2024 09:53:00	0.5	1.0	0.5	0.02	0.02	0.00	3.0	NNE
12/19/2024 09:54:00	0.5	0.9	0.4	0.02	0.02	0.00	3.1	NE
12/19/2024 09:55:00	0.6	0.8	0.3	0.02	0.02	0.00	3.2	NE
12/19/2024 09:56:00	0.6	0.6	0.1	0.02	0.02	0.00	3.1	NNE
12/19/2024 09:57:00	0.6	0.6	0.0	0.02	0.02	0.00	3.2	N
12/19/2024 09:58:00	0.6	0.6	0.0	0.02	0.02	0.00	3.3	NNW
12/19/2024 09:59:00	0.7	0.5	0.0	0.02	0.02	0.00	3.6	NE
12/19/2024 10:00:00	0.8	0.5	0.0	0.02	0.02	0.00	3.7	NE
12/19/2024 10:01:00	0.8	0.5	0.0	0.02	0.02	0.00	3.7	N
12/19/2024 10:02:00	0.8	0.5	0.0	0.02	0.01	0.00	3.7	NNE
12/19/2024 10:03:00	0.8	0.4	0.0	0.02	0.01	0.00	3.7	NNE
12/19/2024 10:04:00	0.8	0.4	0.0	0.02	0.01	0.00	3.6	NE
12/19/2024 10:05:00	0.7	0.4	0.0	0.01	0.01	0.00	3.6	N
12/19/2024 10:06:00	0.8	0.3	0.0	0.01	0.01	0.00	3.6	NNE
12/19/2024 10:07:00	0.8	0.3	0.0	0.00	0.01	0.01	3.8	NNE
12/19/2024 10:08:00	0.8	0.3	0.0	0.00	0.00	0.00	3.8	ENE
12/19/2024 10:09:00	0.9	0.3	0.0	0.00	0.00	0.00	3.9	NE
12/19/2024 10:10:00	1.0	0.3	0.0	0.00	0.00	0.00	3.8	N
12/19/2024 10:11:00	1.0	0.5	0.0	0.00	0.00	0.00	3.7	NW
12/19/2024 10:12:00	1.2	0.6	0.0	0.00	0.00	0.00	3.5	NE
12/19/2024 10:13:00	1.3	0.7	0.0	0.00	0.00	0.00	3.5	NNW
12/19/2024 10:14:00	1.3	0.9	0.0	0.00	0.00	0.00	3.3	NNW
12/19/2024 10:15:00	1.4	1.1	0.0	0.00	0.00	0.00	3.2	NNE
12/19/2024 10:16:00	1.5	1.3	0.0	0.00	0.00	0.00	3.1	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 10:17:00	1.5	1.6	0.1	0.00	0.00	0.00	3.0	NNW
12/19/2024 10:18:00	1.6	1.7	0.1	0.00	0.00	0.00	3.0	NNE
12/19/2024 10:19:00	1.6	1.9	0.3	0.00	0.00	0.00	3.1	N
12/19/2024 10:20:00	1.7	1.9	0.2	0.00	0.00	0.00	3.2	NNW
12/19/2024 10:21:00	1.7	2.2	0.5	0.00	0.00	0.00	3.2	N
12/19/2024 10:22:00	1.7	2.5	0.8	0.00	0.00	0.00	3.1	N
12/19/2024 10:23:00	1.7	2.8	1.0	0.00	0.00	0.00	3.1	N
12/19/2024 10:24:00	1.8	2.8	1.0	0.00	0.00	0.00	3.0	NE
12/19/2024 10:25:00	1.8	2.9	1.1	0.00	0.00	0.00	3.0	NNE
12/19/2024 10:26:00	1.9	2.8	0.9	0.00	0.00	0.00	3.1	NNE
12/19/2024 10:27:00	1.8	2.9	1.0	0.00	0.00	0.00	3.0	NNW
12/19/2024 10:28:00	1.8	2.8	1.1	0.00	0.00	0.00	3.0	N
12/19/2024 10:29:00	1.8	2.7	0.9	0.00	0.00	0.00	3.0	NE
12/19/2024 10:30:00	1.8	2.6	0.8	0.00	0.00	0.00	3.1	NNE
12/19/2024 10:31:00	1.8	2.4	0.6	0.00	0.00	0.00	3.2	NE
12/19/2024 10:32:00	1.8	2.2	0.4	0.00	0.00	0.00	3.3	N
12/19/2024 10:33:00	1.7	2.3	0.5	0.00	0.00	0.00	3.0	W
12/19/2024 10:34:00	1.7	2.2	0.5	0.00	0.00	0.00	2.8	WNW
12/19/2024 10:35:00	1.7	2.2	0.5	0.00	0.00	0.00	2.7	NNW
12/19/2024 10:36:00	1.7	2.1	0.5	0.00	0.00	0.00	2.6	WNW
12/19/2024 10:37:00	1.7	1.9	0.3	0.00	0.00	0.00	2.4	WNW
12/19/2024 10:38:00	1.7	1.8	0.1	0.00	0.00	0.00	2.3	WSW
12/19/2024 10:39:00	1.6	1.9	0.3	0.01	0.00	0.00	2.2	W
12/19/2024 10:40:00	1.6	2.0	0.3	0.01	0.00	0.00	2.0	WSW
12/19/2024 10:41:00	1.6	2.0	0.4	0.02	0.00	0.00	2.1	WNW
12/19/2024 10:42:00	1.7	1.9	0.3	0.02	0.00	0.00	2.2	NNE
12/19/2024 10:43:00	1.6	1.9	0.3	0.02	0.00	0.00	2.2	NNW
12/19/2024 10:44:00	1.7	1.9	0.2	0.02	0.00	0.00	2.3	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 10:45:00	1.7	1.9	0.3	0.02	0.00	0.00	2.2	NNE
12/19/2024 10:46:00	1.6	2.0	0.4	0.02	0.00	0.00	2.3	N
12/19/2024 10:47:00	1.6	2.0	0.4	0.02	0.00	0.00	2.5	NW
12/19/2024 10:48:00	1.6	2.0	0.4	0.02	0.00	0.00	2.4	SW
12/19/2024 10:49:00	1.7	2.0	0.4	0.02	0.00	0.00	2.4	W
12/19/2024 10:50:00	1.7	2.1	0.4	0.02	0.00	0.00	2.5	W
12/19/2024 10:51:00	1.8	2.1	0.3	0.02	0.00	0.00	2.5	WNW
12/19/2024 10:52:00	1.8	2.1	0.3	0.02	0.00	0.00	2.4	N
12/19/2024 10:53:00	1.9	2.1	0.2	0.02	0.00	0.00	2.3	NNE
12/19/2024 10:54:00	1.9	2.1	0.3	0.01	0.00	0.00	2.1	WNW
12/19/2024 10:55:00	1.8	2.1	0.3	0.01	0.00	0.00	2.1	W
12/19/2024 10:56:00	1.9	2.2	0.3	0.00	0.00	0.00	2.1	N
12/19/2024 10:57:00	1.8	2.3	0.5	0.00	0.00	0.00	2.0	N
12/19/2024 10:58:00	1.9	2.2	0.3	0.00	0.00	0.00	1.9	NNE
12/19/2024 10:59:00	1.8	2.3	0.5	0.00	0.00	0.00	2.0	NW
12/19/2024 11:00:00	1.7	2.3	0.6	0.00	0.00	0.00	2.1	NNW
12/19/2024 11:01:00	1.7	2.3	0.6	0.00	0.00	0.00	2.1	N
12/19/2024 11:02:00	1.7	2.3	0.6	0.00	0.00	0.00	2.1	NNW
12/19/2024 11:03:00	1.7	2.3	0.6	0.00	0.00	0.00	2.3	NNW
12/19/2024 11:04:00	1.6	2.3	0.7	0.00	0.00	0.00	2.4	NNW
12/19/2024 11:05:00	1.6	2.3	0.7	0.00	0.00	0.00	2.5	NNW
12/19/2024 11:06:00	1.6	2.2	0.7	0.00	0.00	0.00	2.5	NNW
12/19/2024 11:07:00	1.5	2.2	0.7	0.00	0.00	0.00	2.4	NW
12/19/2024 11:08:00	1.5	2.2	0.7	0.00	0.00	0.00	2.4	NNE
12/19/2024 11:09:00	1.5	2.2	0.7	0.00	0.00	0.00	2.5	NNW
12/19/2024 11:10:00	1.5	2.2	0.7	0.00	0.00	0.00	2.7	NNE
12/19/2024 11:11:00	1.6	2.1	0.5	0.00	0.00	0.00	2.8	NNE
12/19/2024 11:12:00	1.6	1.9	0.3	0.00	0.00	0.00	2.8	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 11:13:00	1.5	2.0	0.5	0.00	0.00	0.00	2.9	N
12/19/2024 11:14:00	1.6	1.9	0.3	0.00	0.00	0.00	2.9	NNE
12/19/2024 11:15:00	1.6	2.0	0.3	0.00	0.00	0.00	2.8	WNW
12/19/2024 11:16:00	1.6	2.0	0.3	0.00	0.00	0.00	2.8	NNW
12/19/2024 11:17:00	1.6	2.0	0.4	0.00	0.00	0.00	2.8	NW
12/19/2024 11:18:00	1.6	2.0	0.4	0.00	0.00	0.00	2.8	NNW
12/19/2024 11:19:00	1.6	2.0	0.4	0.00	0.00	0.00	2.8	N
12/19/2024 11:20:00	1.7	2.0	0.2	0.00	0.00	0.00	2.8	NE
12/19/2024 11:21:00	1.9	1.9	0.0	0.00	0.00	0.00	2.9	NNE
12/19/2024 11:22:00	2.0	1.8	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 11:23:00	2.1	1.8	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 11:24:00	2.2	1.7	0.0	0.00	0.00	0.00	2.9	ENE
12/19/2024 11:25:00	2.2	1.6	0.0	0.00	0.00	0.00	2.8	NE
12/19/2024 11:26:00	2.3	1.6	0.0	0.00	0.00	0.00	2.7	NE
12/19/2024 11:27:00	2.2	1.7	0.0	0.00	0.00	0.00	2.5	N
12/19/2024 11:28:00	2.3	1.6	0.0	0.00	0.00	0.00	2.4	NE
12/19/2024 11:29:00	2.4	1.6	0.0	0.00	0.00	0.00	2.3	NNE
12/19/2024 11:30:00	2.4	1.8	0.0	0.00	0.00	0.00	2.5	NNW
12/19/2024 11:31:00	3.1	1.7	0.0	0.00	0.00	0.00	2.6	NNE
12/19/2024 11:32:00	3.4	1.7	0.0	0.00	0.00	0.00	2.7	NE
12/19/2024 11:33:00	3.6	1.6	0.0	0.00	0.00	0.00	2.7	NNE
12/19/2024 11:34:00	3.6	1.8	0.0	0.00	0.00	0.00	2.6	NNW
12/19/2024 11:35:00	3.5	2.0	0.0	0.00	0.00	0.00	2.3	WNW
12/19/2024 11:36:00	3.4	2.2	0.0	0.00	0.00	0.00	2.0	WNW
12/19/2024 11:37:00	3.2	2.3	0.0	0.00	0.00	0.00	1.8	W
12/19/2024 11:38:00	3.1	2.4	0.0	0.00	0.00	0.00	1.6	WNW
12/19/2024 11:39:00	2.9	2.5	0.0	0.00	0.00	0.00	1.7	N
12/19/2024 11:40:00	2.8	2.9	0.1	0.00	0.00	0.00	1.8	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 11:41:00	2.6	3.5	0.9	0.00	0.00	0.00	2.0	NNW
12/19/2024 11:42:00	3.0	3.4	0.4	0.00	0.00	0.00	2.1	NE
12/19/2024 11:43:00	3.0	3.4	0.5	0.00	0.00	0.00	2.1	NE
12/19/2024 11:44:00	2.9	3.4	0.5	0.00	0.00	0.00	2.1	NE
12/19/2024 11:45:00	2.9	3.2	0.3	0.00	0.00	0.00	2.0	N
12/19/2024 11:46:00	2.2	3.3	1.2	0.00	0.00	0.00	1.8	W
12/19/2024 11:47:00	1.8	3.5	1.7	0.00	0.00	0.00	1.9	NW
12/19/2024 11:48:00	1.7	3.9	2.2	0.00	0.00	0.00	1.9	NW
12/19/2024 11:49:00	1.7	3.8	2.1	0.00	0.00	0.00	2.0	NNW
12/19/2024 11:50:00	2.1	3.6	1.5	0.00	0.00	0.00	2.1	NNE
12/19/2024 11:51:00	2.3	3.4	1.2	0.00	0.00	0.00	2.1	NE
12/19/2024 11:52:00	2.5	3.4	0.9	0.00	0.00	0.00	2.4	NNE
12/19/2024 11:53:00	2.7	3.3	0.6	0.00	0.00	0.00	2.5	NE
12/19/2024 11:54:00	3.1	3.1	0.0	0.00	0.00	0.00	2.5	NE
12/19/2024 11:55:00	4.0	2.8	0.0	0.00	0.00	0.00	2.5	NE
12/19/2024 11:56:00	4.5	2.2	0.0	0.00	0.00	0.00	2.6	NNE
12/19/2024 11:57:00	4.5	2.2	0.0	0.00	0.00	0.00	2.5	NNE
12/19/2024 11:58:00	4.6	2.2	0.0	0.00	0.00	0.00	2.5	NE
12/19/2024 11:59:00	4.8	2.2	0.0	0.00	0.00	0.00	2.6	NNE
12/19/2024 12:00:00	4.8	2.4	0.0	0.00	0.00	0.00	2.7	N
12/19/2024 12:01:00	4.8	2.7	0.0	0.00	0.00	0.00	2.9	NNW
12/19/2024 12:02:00	4.8	2.8	0.0	0.00	0.00	0.00	2.9	NNW
12/19/2024 12:03:00	4.8	2.6	0.0	0.00	0.00	0.00	3.0	NNW
12/19/2024 12:04:00	5.1	2.4	0.0	0.00	0.00	0.00	3.0	NNE
12/19/2024 12:05:00	4.9	2.4	0.0	0.00	0.00	0.00	2.9	NNE
12/19/2024 12:06:00	4.9	2.4	0.0	0.00	0.00	0.00	2.9	NNE
12/19/2024 12:07:00	4.7	2.7	0.0	0.00	0.00	0.00	2.9	N
12/19/2024 12:08:00	4.7	2.7	0.0	0.00	0.00	0.00	2.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 12:09:00	4.5	2.7	0.0	0.00	0.00	0.00	2.9	NE
12/19/2024 12:10:00	3.7	2.8	0.0	0.00	0.00	0.00	2.8	WNW
12/19/2024 12:11:00	3.1	3.0	0.0	0.00	0.00	0.00	2.6	NW
12/19/2024 12:12:00	3.0	3.5	0.6	0.00	0.00	0.00	2.6	N
12/19/2024 12:13:00	2.8	3.9	1.2	0.01	0.00	0.00	2.4	NW
12/19/2024 12:14:00	2.5	4.3	1.8	0.01	0.00	0.00	2.4	NW
12/19/2024 12:15:00	2.5	4.4	1.9	0.01	0.00	0.00	2.3	N
12/19/2024 12:16:00	2.5	4.1	1.6	0.01	0.00	0.00	2.1	W
12/19/2024 12:17:00	2.9	3.8	0.9	0.01	0.00	0.00	2.1	NNE
12/19/2024 12:18:00	2.9	3.8	0.8	0.01	0.00	0.00	2.2	NW
12/19/2024 12:19:00	2.6	3.9	1.3	0.01	0.00	0.00	2.2	NW
12/19/2024 12:20:00	2.4	4.6	2.2	0.01	0.00	0.00	2.2	NNW
12/19/2024 12:21:00	2.3	4.9	2.6	0.01	0.00	0.00	2.1	SW
12/19/2024 12:22:00	2.4	4.5	2.2	0.01	0.00	0.00	1.9	NNE
12/19/2024 12:23:00	2.2	4.8	2.6	0.01	0.00	0.00	2.0	N
12/19/2024 12:24:00	2.0	5.0	3.0	0.01	0.00	0.00	2.1	N
12/19/2024 12:25:00	2.0	5.0	3.0	0.01	0.00	0.00	2.1	NW
12/19/2024 12:26:00	2.0	5.0	3.0	0.01	0.00	0.00	2.1	NW
12/19/2024 12:27:00	1.9	4.6	2.7	0.00	0.00	0.00	2.1	W
12/19/2024 12:28:00	1.9	4.4	2.5	0.00	0.00	0.00	2.0	WSW
12/19/2024 12:29:00	2.1	4.0	1.9	0.00	0.00	0.00	1.8	NE
12/19/2024 12:30:00	2.1	4.1	2.0	0.00	0.00	0.00	1.8	N
12/19/2024 12:31:00	2.1	4.1	2.0	0.00	0.00	0.00	1.9	NW
12/19/2024 12:32:00	1.8	4.1	2.3	0.00	0.00	0.00	1.9	NNE
12/19/2024 12:33:00	1.9	4.0	2.1	0.00	0.00	0.00	1.8	NE
12/19/2024 12:34:00	1.9	3.9	1.9	0.00	0.00	0.00	1.7	NNE
12/19/2024 12:35:00	2.0	3.2	1.2	0.00	0.00	0.00	1.7	NNE
12/19/2024 12:36:00	2.0	3.1	1.1	0.00	0.00	0.00	2.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 12:37:00	1.9	3.8	1.9	0.00	0.00	0.00	1.9	NW
12/19/2024 12:38:00	1.9	3.8	1.9	0.00	0.00	0.00	1.9	NNW
12/19/2024 12:39:00	1.8	3.9	2.1	0.00	0.00	0.00	1.9	NNW
12/19/2024 12:40:00	1.9	3.8	1.9	0.00	0.00	0.00	1.8	NE
12/19/2024 12:41:00	2.0	3.6	1.7	0.00	0.00	0.00	1.9	NNE
12/19/2024 12:42:00	2.1	3.5	1.4	0.00	0.00	0.00	2.1	NNE
12/19/2024 12:43:00	2.2	3.3	1.1	0.00	0.00	0.00	2.3	NNE
12/19/2024 12:44:00	2.2	3.3	1.1	0.00	0.00	0.00	2.5	NNE
12/19/2024 12:45:00	2.4	2.8	0.5	0.00	0.00	0.00	2.6	NE
12/19/2024 12:46:00	2.5	2.7	0.2	0.00	0.00	0.00	2.7	NNE
12/19/2024 12:47:00	2.4	2.8	0.5	0.00	0.00	0.00	2.5	WSW
12/19/2024 12:48:00	2.3	2.9	0.6	0.00	0.00	0.00	2.4	WNW
12/19/2024 12:49:00	2.3	3.0	0.7	0.00	0.00	0.00	2.3	WNW
12/19/2024 12:50:00	2.2	3.1	0.9	0.00	0.00	0.00	2.3	N
12/19/2024 12:51:00	2.1	3.0	0.9	0.00	0.00	0.00	2.2	NW
12/19/2024 12:52:00	2.1	2.5	0.4	0.00	0.00	0.00	2.1	WNW
12/19/2024 12:53:00	2.2	2.4	0.2	0.00	0.00	0.00	2.0	NW
12/19/2024 12:54:00	2.3	2.0	0.0	0.00	0.00	0.00	2.0	NNE
12/19/2024 12:55:00	2.4	2.0	0.0	0.00	0.00	0.00	2.2	NNE
12/19/2024 12:56:00	2.4	2.1	0.0	0.00	0.00	0.00	2.3	NNE
12/19/2024 12:57:00	2.3	2.2	0.0	0.00	0.00	0.00	2.2	NNW
12/19/2024 12:58:00	2.1	2.3	0.2	0.00	0.00	0.00	2.2	NW
12/19/2024 12:59:00	2.0	2.4	0.5	0.00	0.00	0.00	2.2	WNW
12/19/2024 13:00:00	1.8	2.6	0.7	0.00	0.00	0.00	2.2	NNW
12/19/2024 13:01:00	1.8	2.6	0.8	0.00	0.00	0.00	2.2	NNE
12/19/2024 13:02:00	1.9	2.5	0.6	0.00	0.00	0.00	2.3	NE
12/19/2024 13:03:00	2.0	2.3	0.3	0.00	0.00	0.00	2.4	NE
12/19/2024 13:04:00	2.1	2.2	0.1	0.00	0.00	0.00	2.6	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/19/2024 13:05:00	2.1	2.2	0.1	0.00	0.00	0.00	2.6	NNW
12/19/2024 13:06:00	2.3	2.1	0.0	0.00	0.00	0.00	2.7	NNE

DAILY FIELD REPORT 172

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 20, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo
Plaxall Inc. Jordan Hare
McLaren Engineering: Sean Dirscherl

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ. See material tracking section for further details.
- Trevcon installed geotextile fabric on top of previously installed concrete planks in the south-central part of Block 25 to prepare for 0.5-inch recycled aggregate backfill and compaction.
- Trevcon backfilled and compacted an about 40-foot-long by 5-foot-wide area with 0.5-inch recycled aggregate in the south-central part of ABC Block 25 to prepare for ASTM No. 57 stone backfill and compaction.
- Trevcon installed geotextile fabric on top of compacted 0.5-inch recycled aggregate in the south-central part of Block 25 to prepare for No. 57 stone backfill and compaction.
- Trevcon backfilled and compacted an about 40-foot-long by 5-foot-wide area with ASTM No. 57 stone in the south-central part of ABC Block 25 to complete the backfill sequence.

Material Tracking:

- No material was exported from the site.
- Trevcon imported one load of 0.5-inch recycled aggregate from Impact Environmental of Jersey City, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**88**
	Quantity (CY)	0	**1740**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**40**
		Quantity (CY)	0	**840**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	1	**12**
		Quantity (CY)	20	**240**

Samples Collected:

- No samples were taken today.

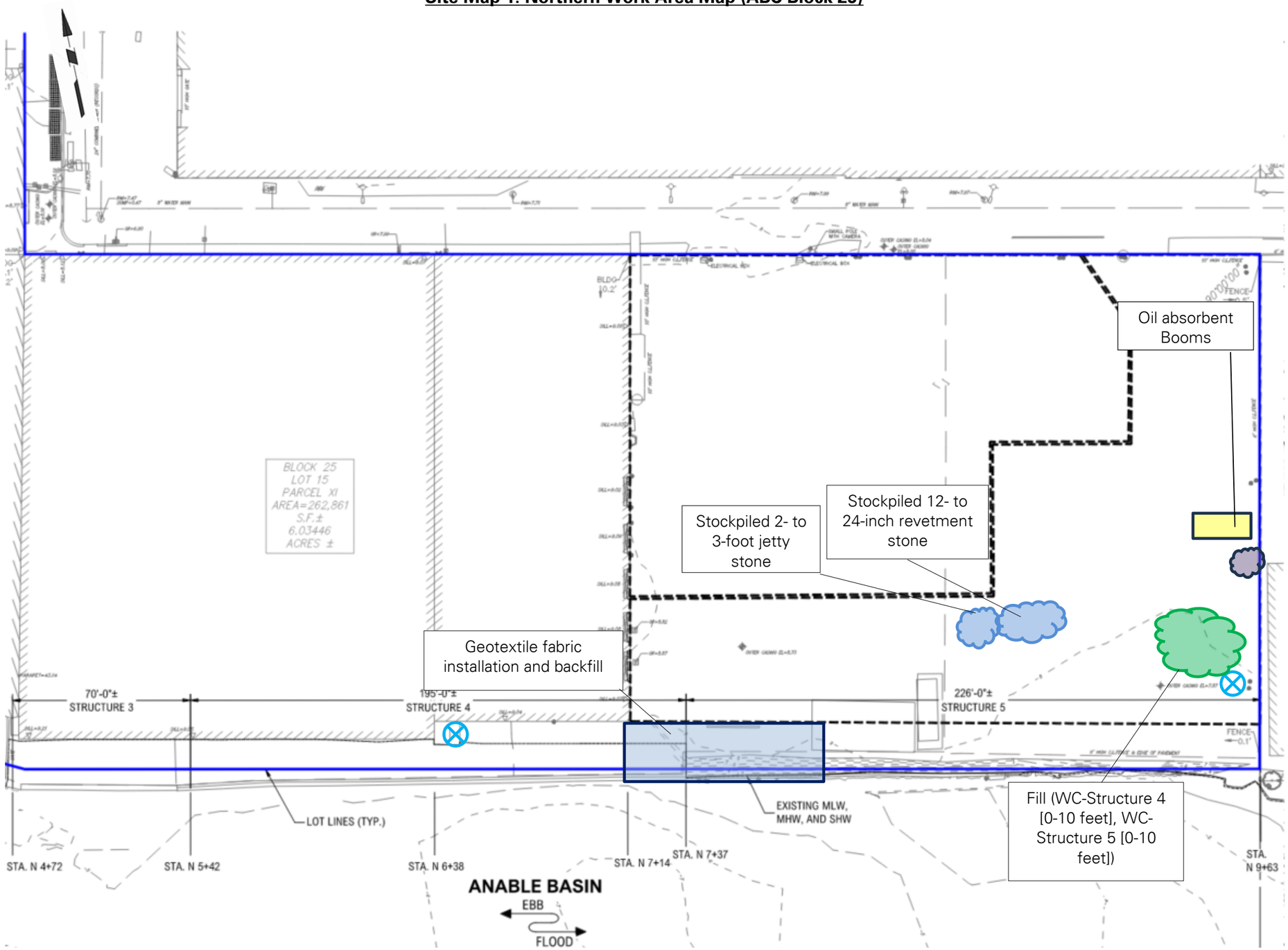
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

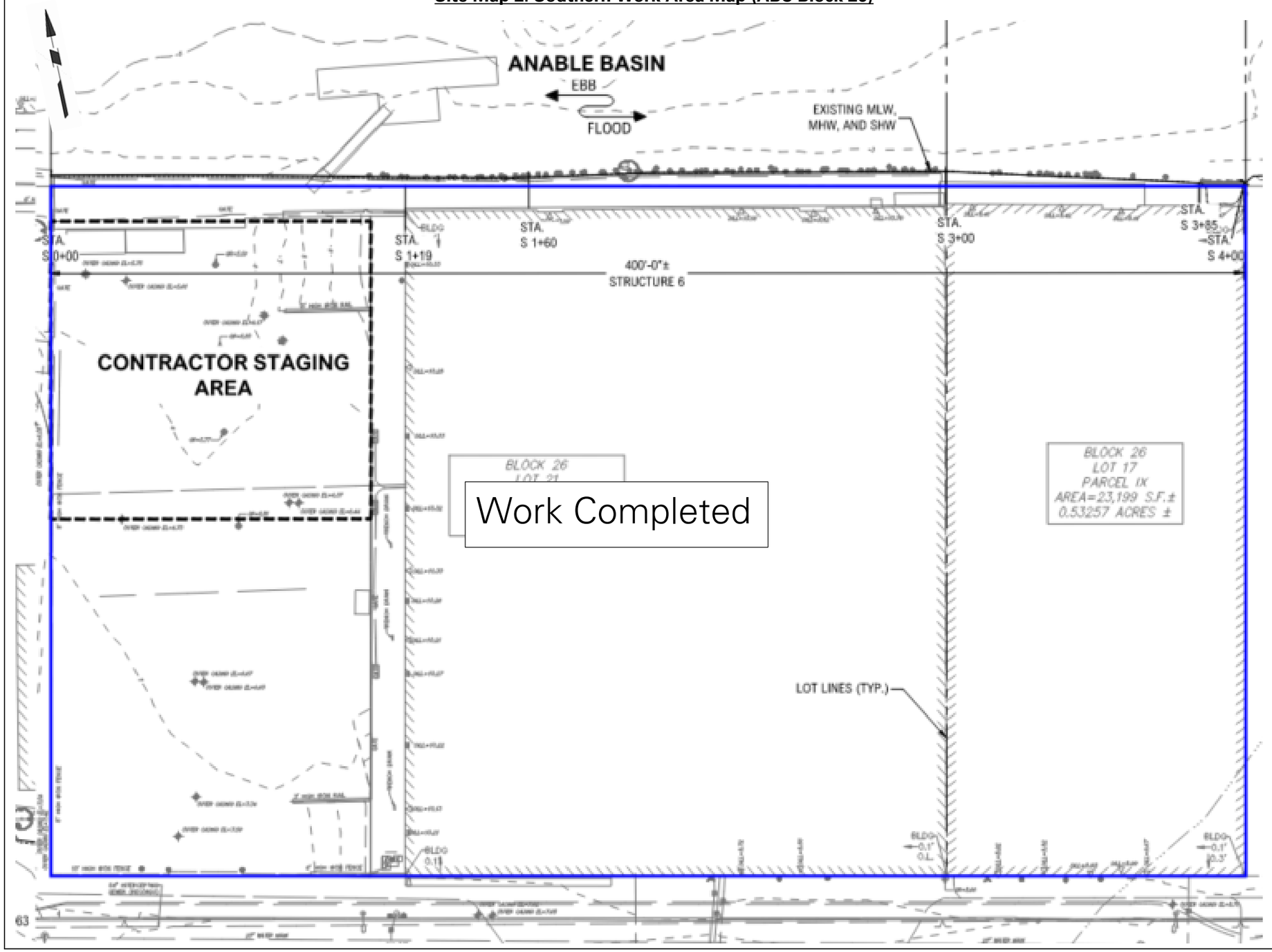


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.20 - Anable Basin Bulkhead Stabilization - Day 172

Site Map 2: Southern Work Area Map (ABC Block 26)



Work Completed

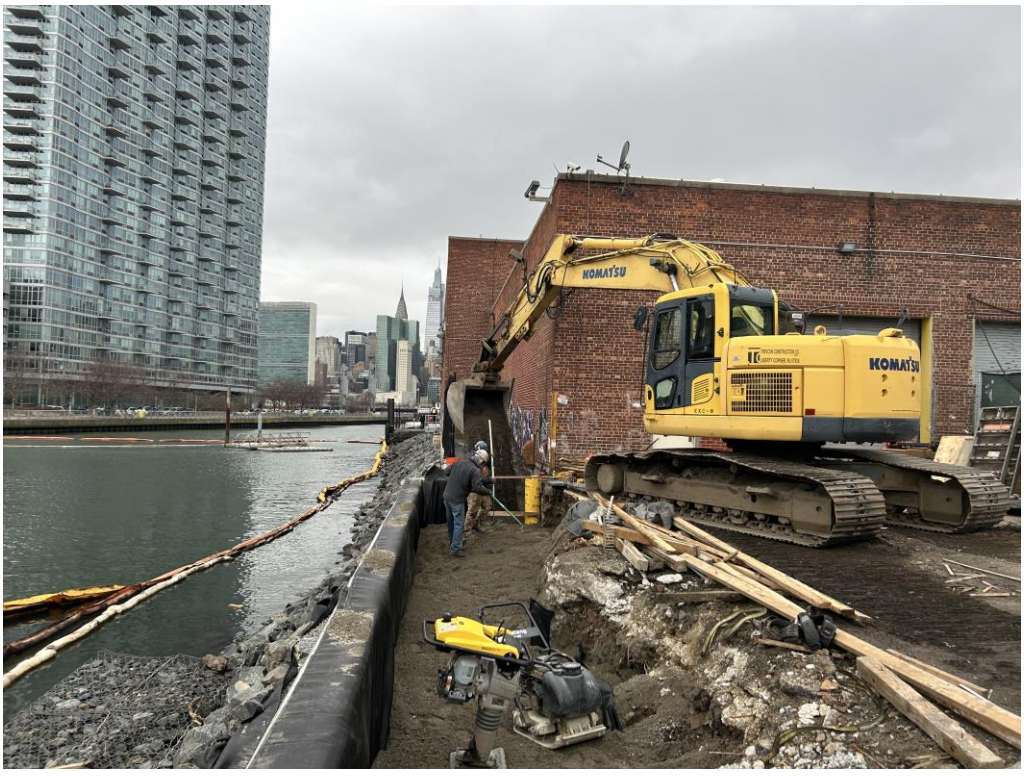
LEGEND

Approximate Site Boundary

General Area of Work

File Name: 2024.12.20 - Anable Basin Bulkhead Stabilization - Day 172

Photo Log

Photo 1: Trevcon importing 0.5-inch recycled aggregate in the south-central part of Block 25 (facing west).	
Photo 2: Trevcon backfilling in the south-central part of ABC Block 25 (facing west).	

File Name: 2024.12.20 - Anable Basin Bulkhead Stabilization - Day 172

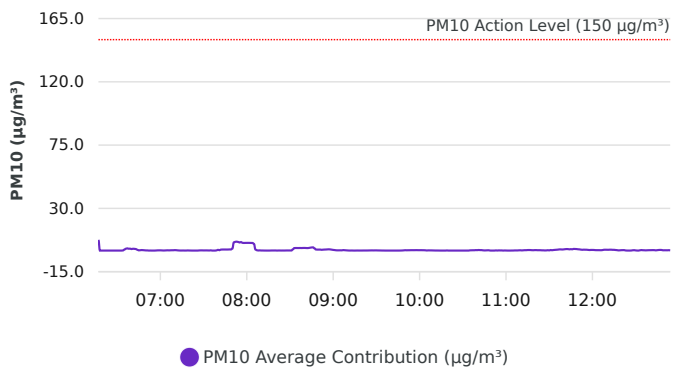
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/20/2024 04:00
		To:	12/20/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/20/2024	0.4-4.6	N

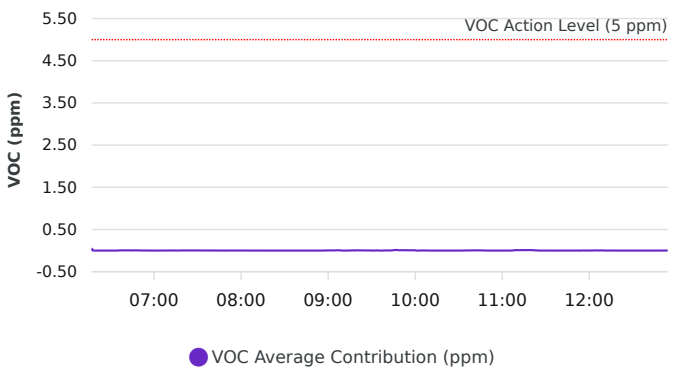
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/20/2024	0.0	06:18	0.00	06:18
Max Contribution (15 min avg.) - 12/20/2024	7.6	06:17	0.05	06:17



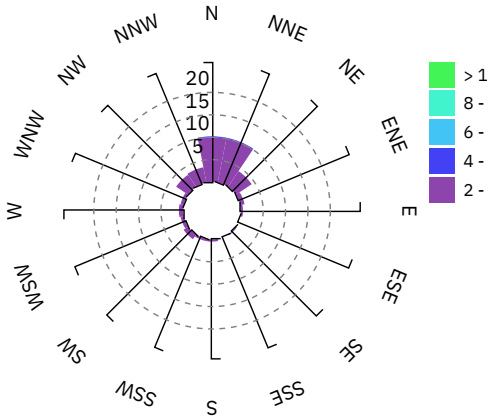
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 06:15:00							2.6	NNE
12/20/2024 06:16:00							1.2	W
12/20/2024 06:17:00	2.2	9.8	7.6	0.00	0.05	0.05	1.0	W
12/20/2024 06:18:00	6.0	5.7	0.0	0.03	0.03	0.00	0.8	NNE
12/20/2024 06:19:00	7.3	4.3	0.0	0.03	0.02	0.00	0.8	NNE
12/20/2024 06:20:00	7.9	3.6	0.0	0.04	0.01	0.00	0.9	NNE
12/20/2024 06:21:00	8.3	3.2	0.0	0.04	0.01	0.00	0.9	N
12/20/2024 06:22:00	7.6	2.9	0.0	0.04	0.01	0.00	0.8	ENE
12/20/2024 06:23:00	6.7	3.0	0.0	0.03	0.01	0.00	0.6	SSW
12/20/2024 06:24:00	6.5	3.4	0.0	0.03	0.01	0.00	0.7	NNW
12/20/2024 06:25:00	6.2	3.8	0.0	0.02	0.01	0.00	0.7	WNW
12/20/2024 06:26:00	6.1	3.6	0.0	0.02	0.01	0.00	0.6	ENE
12/20/2024 06:27:00	5.8	3.7	0.0	0.02	0.01	0.00	0.7	NNW
12/20/2024 06:28:00	5.6	3.8	0.0	0.02	0.01	0.00	0.8	N
12/20/2024 06:29:00	5.4	4.3	0.0	0.02	0.01	0.00	0.8	N
12/20/2024 06:30:00	5.2	4.7	0.0	0.02	0.01	0.00	0.7	NNW
12/20/2024 06:31:00	5.2	4.7	0.0	0.02	0.01	0.00	0.7	ENE
12/20/2024 06:32:00	5.3	4.3	0.0	0.02	0.01	0.00	0.7	ESE
12/20/2024 06:33:00	4.9	4.4	0.0	0.01	0.01	0.00	0.6	W
12/20/2024 06:34:00	4.5	4.5	0.1	0.01	0.01	0.00	0.6	NNW
12/20/2024 06:35:00	4.0	4.7	0.7	0.01	0.01	0.00	0.6	NW
12/20/2024 06:36:00	3.6	4.9	1.3	0.00	0.01	0.00	0.7	N
12/20/2024 06:37:00	3.5	5.1	1.6	0.00	0.01	0.01	0.8	NNW
12/20/2024 06:38:00	3.7	5.0	1.3	0.00	0.01	0.01	0.8	SSE
12/20/2024 06:39:00	3.6	5.0	1.4	0.00	0.01	0.01	0.8	N
12/20/2024 06:40:00	3.6	4.7	1.1	0.00	0.01	0.00	0.9	NNE
12/20/2024 06:41:00	3.5	4.8	1.3	0.00	0.01	0.01	0.9	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 06:42:00	3.5	4.8	1.2	0.00	0.01	0.01	0.8	W
12/20/2024 06:43:00	3.6	4.7	1.1	0.00	0.01	0.01	0.8	N
12/20/2024 06:44:00	3.7	4.2	0.6	0.00	0.01	0.00	0.7	WSW
12/20/2024 06:45:00	3.7	3.8	0.2	0.00	0.01	0.00	0.7	WNW
12/20/2024 06:46:00	3.6	3.8	0.3	0.00	0.01	0.01	0.8	WSW
12/20/2024 06:47:00	3.5	3.9	0.4	0.00	0.01	0.01	0.8	SW
12/20/2024 06:48:00	3.5	3.9	0.3	0.00	0.01	0.01	0.7	NNE
12/20/2024 06:49:00	3.6	3.8	0.2	0.00	0.01	0.00	0.7	NE
12/20/2024 06:50:00	3.7	3.8	0.1	0.00	0.01	0.00	0.7	NNE
12/20/2024 06:51:00	3.7	3.8	0.1	0.00	0.01	0.00	0.6	W
12/20/2024 06:52:00	3.7	3.7	0.0	0.00	0.00	0.00	0.6	NNE
12/20/2024 06:53:00	3.7	3.7	0.0	0.00	0.00	0.00	0.7	NE
12/20/2024 06:54:00	3.7	3.6	0.0	0.00	0.00	0.00	0.6	NE
12/20/2024 06:55:00	3.7	3.6	0.0	0.00	0.00	0.00	0.5	E
12/20/2024 06:56:00	3.7	3.6	0.0	0.00	0.00	0.00	0.8	N
12/20/2024 06:57:00	3.6	3.7	0.1	0.00	0.00	0.00	0.8	N
12/20/2024 06:58:00	3.5	3.7	0.1	0.00	0.00	0.00	0.8	N
12/20/2024 06:59:00	3.5	3.7	0.2	0.00	0.00	0.00	1.0	NNW
12/20/2024 07:00:00	3.5	3.6	0.2	0.00	0.00	0.00	1.0	WNW
12/20/2024 07:01:00	3.4	3.5	0.1	0.00	0.00	0.00	1.2	N
12/20/2024 07:02:00	3.4	3.5	0.1	0.00	0.00	0.00	1.2	SW
12/20/2024 07:03:00	3.4	3.4	0.1	0.00	0.00	0.00	1.1	E
12/20/2024 07:04:00	3.3	3.4	0.1	0.00	0.00	0.00	1.1	NW
12/20/2024 07:05:00	3.2	3.4	0.2	0.00	0.00	0.00	1.0	SE
12/20/2024 07:06:00	3.2	3.3	0.1	0.00	0.00	0.00	1.0	W
12/20/2024 07:07:00	3.1	3.3	0.2	0.00	0.00	0.00	0.9	N
12/20/2024 07:08:00	3.1	3.3	0.2	0.00	0.00	0.00	0.9	N
12/20/2024 07:09:00	3.0	3.3	0.2	0.00	0.00	0.00	0.8	ENE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 07:10:00	3.0	3.3	0.3	0.00	0.00	0.00	1.0	N
12/20/2024 07:11:00	3.0	3.2	0.3	0.00	0.00	0.00	0.8	NW
12/20/2024 07:12:00	3.0	3.1	0.1	0.00	0.00	0.00	0.8	NNE
12/20/2024 07:13:00	3.0	3.1	0.1	0.00	0.00	0.00	0.7	ESE
12/20/2024 07:14:00	3.1	3.1	0.0	0.00	0.00	0.00	0.6	N
12/20/2024 07:15:00	3.1	3.1	0.0	0.00	0.00	0.00	0.7	NW
12/20/2024 07:16:00	3.1	3.1	0.1	0.00	0.00	0.00	0.7	NNE
12/20/2024 07:17:00	3.1	3.1	0.0	0.00	0.00	0.00	0.7	WNW
12/20/2024 07:18:00	3.1	3.1	0.0	0.00	0.00	0.00	0.9	N
12/20/2024 07:19:00	3.1	3.2	0.1	0.00	0.00	0.00	1.1	N
12/20/2024 07:20:00	3.1	3.2	0.1	0.00	0.00	0.00	1.2	NE
12/20/2024 07:21:00	3.1	3.2	0.0	0.00	0.00	0.00	1.3	NNE
12/20/2024 07:22:00	3.1	3.1	0.0	0.00	0.00	0.00	1.3	NNE
12/20/2024 07:23:00	3.2	3.1	0.0	0.00	0.00	0.00	1.4	NE
12/20/2024 07:24:00	3.2	3.1	0.0	0.00	0.00	0.00	1.5	NNE
12/20/2024 07:25:00	3.2	3.1	0.0	0.00	0.00	0.00	1.3	SW
12/20/2024 07:26:00	3.2	3.1	0.0	0.00	0.00	0.00	1.4	NNE
12/20/2024 07:27:00	3.2	3.3	0.1	0.00	0.00	0.00	1.4	NW
12/20/2024 07:28:00	3.2	3.3	0.1	0.00	0.00	0.00	1.5	NNW
12/20/2024 07:29:00	3.2	3.3	0.1	0.00	0.00	0.00	1.6	NE
12/20/2024 07:30:00	3.2	3.3	0.1	0.00	0.00	0.00	1.6	NNE
12/20/2024 07:31:00	3.2	3.3	0.1	0.00	0.00	0.00	1.6	N
12/20/2024 07:32:00	3.2	3.3	0.1	0.00	0.00	0.00	1.5	WSW
12/20/2024 07:33:00	3.2	3.3	0.1	0.00	0.00	0.00	1.4	NNE
12/20/2024 07:34:00	3.2	3.3	0.1	0.00	0.00	0.00	1.3	N
12/20/2024 07:35:00	3.2	3.4	0.2	0.00	0.00	0.00	1.3	NW
12/20/2024 07:36:00	3.6	3.4	0.0	0.00	0.00	0.00	1.1	SSE
12/20/2024 07:37:00	3.5	3.4	0.0	0.00	0.00	0.00	1.1	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 07:38:00	3.5	3.5	0.0	0.00	0.00	0.00	1.1	N
12/20/2024 07:39:00	3.5	3.6	0.1	0.00	0.00	0.00	1.1	NW
12/20/2024 07:40:00	3.4	3.9	0.5	0.00	0.00	0.00	1.2	WSW
12/20/2024 07:41:00	3.6	3.9	0.3	0.00	0.00	0.00	1.1	NNE
12/20/2024 07:42:00	3.6	4.3	0.7	0.00	0.00	0.00	1.1	N
12/20/2024 07:43:00	3.6	4.3	0.7	0.00	0.00	0.00	1.2	NW
12/20/2024 07:44:00	3.6	4.3	0.8	0.00	0.00	0.00	1.1	N
12/20/2024 07:45:00	3.6	4.3	0.8	0.00	0.00	0.00	1.1	NW
12/20/2024 07:46:00	3.5	4.3	0.7	0.00	0.00	0.00	1.2	N
12/20/2024 07:47:00	3.5	4.3	0.8	0.00	0.00	0.00	1.3	W
12/20/2024 07:48:00	3.5	4.3	0.8	0.00	0.00	0.00	1.3	WNW
12/20/2024 07:49:00	3.5	4.3	0.8	0.00	0.00	0.00	1.3	W
12/20/2024 07:50:00	3.5	4.9	1.4	0.00	0.00	0.00	1.4	NW
12/20/2024 07:51:00	3.1	8.9	5.8	0.00	0.00	0.00	1.6	N
12/20/2024 07:52:00	3.1	9.3	6.2	0.00	0.00	0.00	1.4	WSW
12/20/2024 07:53:00	3.1	9.5	6.3	0.00	0.00	0.00	1.4	WSW
12/20/2024 07:54:00	3.3	9.4	6.1	0.00	0.00	0.00	1.4	N
12/20/2024 07:55:00	3.3	9.0	5.8	0.00	0.00	0.00	1.5	NW
12/20/2024 07:56:00	3.0	9.1	6.0	0.00	0.00	0.00	1.6	NNW
12/20/2024 07:57:00	3.0	8.6	5.5	0.00	0.00	0.00	1.6	N
12/20/2024 07:58:00	3.1	8.5	5.4	0.00	0.00	0.00	1.6	NNW
12/20/2024 07:59:00	3.0	8.5	5.5	0.00	0.00	0.00	1.4	SE
12/20/2024 08:00:00	3.1	8.5	5.5	0.00	0.00	0.00	1.5	N
12/20/2024 08:01:00	3.1	8.6	5.5	0.00	0.00	0.00	1.5	NNW
12/20/2024 08:02:00	3.1	8.6	5.5	0.00	0.00	0.00	1.5	NNE
12/20/2024 08:03:00	3.1	8.6	5.4	0.00	0.00	0.00	1.5	NNE
12/20/2024 08:04:00	3.1	8.5	5.4	0.00	0.00	0.00	1.5	NE
12/20/2024 08:05:00	3.1	7.9	4.7	0.00	0.00	0.00	1.5	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 08:06:00	3.2	3.9	0.8	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:07:00	3.3	3.5	0.2	0.00	0.00	0.00	1.5	N
12/20/2024 08:08:00	3.3	3.3	0.1	0.00	0.00	0.00	1.6	NNE
12/20/2024 08:09:00	3.2	3.4	0.1	0.00	0.00	0.00	1.6	NE
12/20/2024 08:10:00	3.3	3.3	0.1	0.00	0.00	0.00	1.6	N
12/20/2024 08:11:00	3.3	3.3	0.1	0.00	0.00	0.00	1.5	N
12/20/2024 08:12:00	3.3	3.3	0.0	0.00	0.00	0.00	1.5	NNE
12/20/2024 08:13:00	3.3	3.3	0.0	0.00	0.00	0.00	1.6	NNE
12/20/2024 08:14:00	3.4	3.4	0.0	0.00	0.00	0.00	1.7	N
12/20/2024 08:15:00	3.4	3.4	0.0	0.00	0.00	0.00	1.6	NNE
12/20/2024 08:16:00	3.4	3.4	0.0	0.00	0.00	0.00	1.7	N
12/20/2024 08:17:00	3.4	3.5	0.1	0.00	0.00	0.00	1.7	N
12/20/2024 08:18:00	3.4	3.5	0.1	0.00	0.00	0.00	1.7	N
12/20/2024 08:19:00	3.5	3.5	0.1	0.00	0.00	0.00	1.7	N
12/20/2024 08:20:00	3.4	3.5	0.1	0.00	0.00	0.00	1.6	WNW
12/20/2024 08:21:00	3.4	3.5	0.0	0.00	0.00	0.00	1.6	N
12/20/2024 08:22:00	3.4	3.4	0.1	0.00	0.00	0.00	1.7	NNE
12/20/2024 08:23:00	3.4	3.4	0.1	0.00	0.00	0.00	1.7	NNW
12/20/2024 08:24:00	3.4	3.4	0.0	0.00	0.00	0.00	1.7	N
12/20/2024 08:25:00	3.4	3.4	0.0	0.00	0.00	0.00	1.7	NNW
12/20/2024 08:26:00	3.3	3.4	0.0	0.00	0.00	0.00	1.5	S
12/20/2024 08:27:00	3.3	3.4	0.1	0.00	0.00	0.00	1.5	NNE
12/20/2024 08:28:00	3.3	3.4	0.1	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:29:00	3.3	3.3	0.1	0.00	0.00	0.00	1.4	NW
12/20/2024 08:30:00	3.2	3.3	0.1	0.00	0.00	0.00	1.5	N
12/20/2024 08:31:00	3.2	3.3	0.1	0.00	0.00	0.00	1.4	W
12/20/2024 08:32:00	3.3	4.1	0.9	0.00	0.00	0.00	1.3	N
12/20/2024 08:33:00	3.2	5.0	1.8	0.00	0.00	0.00	1.3	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 08:34:00	3.2	5.0	1.8	0.00	0.00	0.00	1.3	N
12/20/2024 08:35:00	3.3	5.1	1.8	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:36:00	3.3	5.1	1.8	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:37:00	3.3	5.1	1.8	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:38:00	3.3	5.1	1.8	0.00	0.00	0.00	1.3	NE
12/20/2024 08:39:00	3.3	5.1	1.9	0.00	0.00	0.00	1.4	NNE
12/20/2024 08:40:00	3.3	5.1	1.9	0.00	0.00	0.00	1.3	NNW
12/20/2024 08:41:00	3.3	5.2	1.8	0.00	0.00	0.00	1.7	NNE
12/20/2024 08:42:00	3.4	5.2	1.8	0.00	0.00	0.00	1.6	NNE
12/20/2024 08:43:00	3.4	5.2	1.8	0.00	0.00	0.00	1.6	NE
12/20/2024 08:44:00	3.4	5.4	2.0	0.00	0.00	0.00	1.6	NE
12/20/2024 08:45:00	3.4	5.6	2.2	0.00	0.00	0.00	1.6	NE
12/20/2024 08:46:00	3.4	5.7	2.3	0.01	0.00	0.00	1.8	ENE
12/20/2024 08:47:00	3.4	5.0	1.6	0.01	0.00	0.00	1.9	NNE
12/20/2024 08:48:00	3.4	4.2	0.8	0.01	0.00	0.00	1.9	NNE
12/20/2024 08:49:00	3.4	4.1	0.7	0.01	0.00	0.00	1.9	NNW
12/20/2024 08:50:00	3.4	4.1	0.7	0.01	0.00	0.00	1.9	NE
12/20/2024 08:51:00	3.4	4.1	0.7	0.01	0.00	0.00	2.0	NNE
12/20/2024 08:52:00	3.6	4.1	0.5	0.01	0.00	0.00	2.1	NNE
12/20/2024 08:53:00	3.6	4.2	0.7	0.01	0.00	0.00	2.0	WNW
12/20/2024 08:54:00	3.6	4.3	0.7	0.01	0.01	0.00	2.0	NNW
12/20/2024 08:55:00	3.5	4.3	0.8	0.01	0.01	0.00	2.1	N
12/20/2024 08:56:00	3.5	4.3	0.8	0.01	0.01	0.00	2.1	N
12/20/2024 08:57:00	3.4	4.3	0.9	0.01	0.01	0.00	2.0	NW
12/20/2024 08:58:00	3.4	4.2	0.8	0.01	0.01	0.00	2.1	N
12/20/2024 08:59:00	3.4	4.0	0.6	0.01	0.01	0.00	2.0	W
12/20/2024 09:00:00	3.4	3.8	0.5	0.01	0.01	0.00	2.0	N
12/20/2024 09:01:00	3.3	3.7	0.4	0.00	0.01	0.00	2.1	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 09:02:00	3.3	3.5	0.2	0.00	0.01	0.00	2.1	N
12/20/2024 09:03:00	3.3	3.4	0.2	0.00	0.01	0.00	2.1	NNE
12/20/2024 09:04:00	3.2	3.4	0.2	0.00	0.01	0.00	2.2	N
12/20/2024 09:05:00	3.2	3.4	0.2	0.00	0.01	0.01	2.1	WNW
12/20/2024 09:06:00	3.1	3.3	0.2	0.00	0.01	0.01	2.0	NW
12/20/2024 09:07:00	2.9	3.3	0.3	0.00	0.01	0.01	1.9	WNW
12/20/2024 09:08:00	2.9	3.1	0.3	0.00	0.01	0.01	1.9	N
12/20/2024 09:09:00	2.9	3.0	0.2	0.00	0.00	0.00	1.7	S
12/20/2024 09:10:00	2.8	2.9	0.1	0.00	0.00	0.00	1.5	WSW
12/20/2024 09:11:00	2.8	2.9	0.0	0.00	0.00	0.00	1.3	SW
12/20/2024 09:12:00	2.8	2.9	0.0	0.00	0.00	0.00	1.2	WSW
12/20/2024 09:13:00	2.8	2.8	0.1	0.00	0.00	0.00	1.0	E
12/20/2024 09:14:00	2.8	2.8	0.0	0.00	0.00	0.00	0.9	WSW
12/20/2024 09:15:00	2.8	2.8	0.0	0.00	0.00	0.00	0.9	WSW
12/20/2024 09:16:00	2.8	2.8	0.0	0.00	0.00	0.00	0.9	NNW
12/20/2024 09:17:00	2.7	2.8	0.0	0.00	0.01	0.01	0.9	SSW
12/20/2024 09:18:00	2.7	2.7	0.0	0.01	0.01	0.00	0.9	NNE
12/20/2024 09:19:00	2.7	2.7	0.0	0.01	0.01	0.01	0.9	NW
12/20/2024 09:20:00	2.7	2.7	0.0	0.01	0.01	0.01	0.9	N
12/20/2024 09:21:00	2.6	2.7	0.1	0.01	0.01	0.01	0.7	NE
12/20/2024 09:22:00	2.6	2.7	0.1	0.01	0.01	0.01	0.6	NE
12/20/2024 09:23:00	2.6	2.7	0.1	0.01	0.01	0.01	0.6	N
12/20/2024 09:24:00	2.6	2.7	0.1	0.01	0.01	0.00	0.7	NNE
12/20/2024 09:25:00	2.6	2.7	0.1	0.01	0.01	0.00	0.8	NNE
12/20/2024 09:26:00	2.6	2.7	0.1	0.01	0.01	0.00	0.9	NNW
12/20/2024 09:27:00	2.6	2.7	0.1	0.01	0.01	0.00	1.1	NNW
12/20/2024 09:28:00	2.6	2.7	0.1	0.01	0.01	0.00	1.3	N
12/20/2024 09:29:00	2.6	2.7	0.1	0.01	0.01	0.00	1.6	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 09:30:00	2.5	2.7	0.1	0.01	0.01	0.00	1.7	ENE
12/20/2024 09:31:00	2.5	2.6	0.1	0.01	0.01	0.00	1.7	NNW
12/20/2024 09:32:00	2.5	2.6	0.1	0.01	0.01	0.00	1.8	WNW
12/20/2024 09:33:00	2.5	2.6	0.1	0.00	0.01	0.01	1.8	N
12/20/2024 09:34:00	2.6	2.6	0.0	0.00	0.01	0.00	1.7	W
12/20/2024 09:35:00	2.5	2.6	0.0	0.01	0.01	0.00	1.7	NNE
12/20/2024 09:36:00	2.5	2.5	0.0	0.01	0.01	0.00	1.7	WNW
12/20/2024 09:37:00	2.5	2.5	0.0	0.01	0.01	0.00	1.8	N
12/20/2024 09:38:00	2.5	2.5	0.0	0.01	0.01	0.00	1.7	N
12/20/2024 09:39:00	2.5	2.4	0.0	0.00	0.01	0.00	1.6	SW
12/20/2024 09:40:00	2.5	2.4	0.0	0.00	0.01	0.00	1.5	W
12/20/2024 09:41:00	2.5	2.4	0.0	0.00	0.01	0.00	1.4	NE
12/20/2024 09:42:00	2.5	2.4	0.0	0.00	0.01	0.00	1.3	SSW
12/20/2024 09:43:00	2.5	2.4	0.0	0.00	0.01	0.00	1.2	N
12/20/2024 09:44:00	2.5	2.5	0.0	0.00	0.01	0.00	1.0	SW
12/20/2024 09:45:00	2.5	2.5	0.0	0.00	0.01	0.01	1.1	WSW
12/20/2024 09:46:00	2.5	2.5	0.0	0.00	0.01	0.01	1.0	SW
12/20/2024 09:47:00	2.5	2.5	0.0	0.00	0.02	0.01	1.0	NNW
12/20/2024 09:48:00	2.5	2.5	0.1	0.01	0.02	0.01	0.9	NE
12/20/2024 09:49:00	2.5	2.6	0.1	0.01	0.01	0.01	0.9	NNE
12/20/2024 09:50:00	2.5	2.7	0.3	0.01	0.01	0.01	0.8	NNE
12/20/2024 09:51:00	2.6	2.8	0.2	0.01	0.01	0.01	0.9	N
12/20/2024 09:52:00	2.6	2.8	0.2	0.01	0.01	0.01	0.9	NNE
12/20/2024 09:53:00	2.6	2.8	0.2	0.01	0.01	0.01	1.0	NNW
12/20/2024 09:54:00	2.6	2.9	0.3	0.01	0.01	0.01	1.1	NNW
12/20/2024 09:55:00	2.6	2.9	0.3	0.01	0.01	0.01	1.3	N
12/20/2024 09:56:00	2.6	2.9	0.3	0.01	0.01	0.01	1.4	N
12/20/2024 09:57:00	2.6	2.9	0.3	0.01	0.01	0.01	1.5	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 09:58:00	2.5	2.9	0.3	0.01	0.01	0.01	1.4	NNW
12/20/2024 09:59:00	2.5	2.8	0.3	0.01	0.01	0.01	1.6	NNW
12/20/2024 10:00:00	2.5	2.8	0.3	0.01	0.01	0.01	1.7	WNW
12/20/2024 10:01:00	2.5	2.8	0.3	0.01	0.01	0.00	1.8	NNE
12/20/2024 10:02:00	2.6	2.8	0.3	0.01	0.01	0.00	1.8	N
12/20/2024 10:03:00	2.5	2.8	0.3	0.01	0.01	0.00	1.8	NE
12/20/2024 10:04:00	2.5	2.7	0.2	0.01	0.01	0.00	1.8	N
12/20/2024 10:05:00	2.6	2.6	0.1	0.01	0.01	0.00	1.7	SW
12/20/2024 10:06:00	2.5	2.6	0.1	0.01	0.01	0.00	1.4	SW
12/20/2024 10:07:00	2.5	2.6	0.1	0.01	0.01	0.00	1.3	NE
12/20/2024 10:08:00	2.5	2.6	0.1	0.01	0.01	0.00	1.3	N
12/20/2024 10:09:00	2.5	2.6	0.1	0.01	0.01	0.00	1.2	NE
12/20/2024 10:10:00	2.5	2.6	0.1	0.01	0.01	0.00	1.0	ESE
12/20/2024 10:11:00	2.5	2.5	0.0	0.01	0.01	0.00	0.8	NE
12/20/2024 10:12:00	2.5	2.6	0.0	0.01	0.01	0.00	1.0	NNW
12/20/2024 10:13:00	2.5	2.6	0.0	0.01	0.01	0.00	1.0	NNE
12/20/2024 10:14:00	2.5	2.5	0.0	0.01	0.01	0.00	1.0	NNE
12/20/2024 10:15:00	2.5	2.5	0.0	0.01	0.01	0.00	1.0	NE
12/20/2024 10:16:00	2.5	2.5	0.0	0.01	0.01	0.00	1.0	NNW
12/20/2024 10:17:00	2.5	2.5	0.0	0.01	0.01	0.00	1.0	NNW
12/20/2024 10:18:00	2.5	2.5	0.0	0.01	0.01	0.00	0.9	WNW
12/20/2024 10:19:00	2.5	2.6	0.1	0.01	0.01	0.00	0.9	NNW
12/20/2024 10:20:00	2.6	2.6	0.0	0.01	0.01	0.00	1.1	NNE
12/20/2024 10:21:00	2.7	2.6	0.0	0.02	0.01	0.00	1.4	NNE
12/20/2024 10:22:00	2.8	2.6	0.0	0.01	0.01	0.00	1.3	ENE
12/20/2024 10:23:00	2.8	2.6	0.0	0.01	0.00	0.00	1.2	ENE
12/20/2024 10:24:00	2.9	2.6	0.0	0.01	0.00	0.00	1.2	E
12/20/2024 10:25:00	2.9	2.6	0.0	0.01	0.00	0.00	1.3	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 10:26:00	2.9	2.6	0.0	0.01	0.00	0.00	1.4	NNE
12/20/2024 10:27:00	2.9	2.6	0.0	0.01	0.00	0.00	1.4	N
12/20/2024 10:28:00	2.9	2.7	0.0	0.01	0.00	0.00	1.4	NNW
12/20/2024 10:29:00	3.0	2.8	0.0	0.01	0.00	0.00	1.4	N
12/20/2024 10:30:00	3.0	2.9	0.0	0.01	0.00	0.00	1.4	N
12/20/2024 10:31:00	3.0	2.9	0.0	0.01	0.01	0.00	1.3	WSW
12/20/2024 10:32:00	3.0	3.0	0.0	0.01	0.01	0.00	1.3	N
12/20/2024 10:33:00	3.0	3.0	0.0	0.01	0.01	0.00	1.4	NNW
12/20/2024 10:34:00	3.0	3.0	0.0	0.01	0.01	0.00	1.2	SSW
12/20/2024 10:35:00	2.9	3.0	0.2	0.00	0.01	0.00	1.1	NNW
12/20/2024 10:36:00	2.9	3.0	0.2	0.00	0.01	0.00	0.9	S
12/20/2024 10:37:00	2.8	3.0	0.2	0.00	0.01	0.00	1.1	NNE
12/20/2024 10:38:00	2.8	3.0	0.2	0.00	0.01	0.00	0.9	SE
12/20/2024 10:39:00	2.7	3.1	0.3	0.00	0.01	0.00	0.8	SSW
12/20/2024 10:40:00	2.7	3.0	0.3	0.00	0.01	0.01	0.7	SE
12/20/2024 10:41:00	2.7	3.1	0.4	0.00	0.01	0.01	0.4	SW
12/20/2024 10:42:00	2.7	3.0	0.3	0.00	0.01	0.01	0.2	S
12/20/2024 10:43:00	2.7	3.0	0.3	0.00	0.01	0.01	0.2	NNW
12/20/2024 10:44:00	2.7	2.9	0.2	0.00	0.01	0.01	0.2	NE
12/20/2024 10:45:00	2.7	2.8	0.1	0.00	0.01	0.00	0.0	SSE
12/20/2024 10:46:00	2.7	2.9	0.1	0.00	0.01	0.00	0.0	WSW
12/20/2024 10:47:00	2.7	2.9	0.2	0.00	0.01	0.00	0.2	SSW
12/20/2024 10:48:00	2.6	2.9	0.2	0.00	0.01	0.00	0.4	WSW
12/20/2024 10:49:00	2.8	2.8	0.0	0.01	0.01	0.00	0.2	NNE
12/20/2024 10:50:00	2.8	2.7	0.0	0.01	0.00	0.00	0.2	NNE
12/20/2024 10:51:00	2.8	2.7	0.0	0.01	0.00	0.00	0.1	NNE
12/20/2024 10:52:00	2.8	2.8	0.0	0.00	0.00	0.00	0.2	WNW
12/20/2024 10:53:00	2.7	2.8	0.1	0.00	0.00	0.00	0.2	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 10:54:00	2.8	2.8	0.0	0.01	0.00	0.00	0.3	NNE
12/20/2024 10:55:00	2.7	2.9	0.1	0.01	0.00	0.00	0.4	N
12/20/2024 10:56:00	2.7	2.8	0.1	0.01	0.00	0.00	0.6	N
12/20/2024 10:57:00	2.7	2.8	0.1	0.01	0.00	0.00	1.0	NNE
12/20/2024 10:58:00	2.8	2.8	0.0	0.01	0.00	0.00	1.0	NNE
12/20/2024 10:59:00	2.8	2.8	0.1	0.01	0.01	0.00	1.0	N
12/20/2024 11:00:00	2.8	2.8	0.0	0.01	0.01	0.00	1.3	NNE
12/20/2024 11:01:00	2.9	2.8	0.0	0.01	0.00	0.00	1.4	NE
12/20/2024 11:02:00	2.9	2.7	0.0	0.01	0.00	0.00	1.6	NNW
12/20/2024 11:03:00	2.9	2.7	0.0	0.01	0.00	0.00	1.6	SSW
12/20/2024 11:04:00	2.8	2.8	0.0	0.00	0.00	0.00	1.5	WNW
12/20/2024 11:05:00	2.8	2.8	0.0	0.00	0.00	0.00	1.4	E
12/20/2024 11:06:00	2.8	2.9	0.1	0.00	0.01	0.00	1.3	NW
12/20/2024 11:07:00	2.8	2.8	0.1	0.00	0.01	0.00	1.4	NNW
12/20/2024 11:08:00	2.8	2.9	0.1	0.00	0.01	0.01	1.4	NNW
12/20/2024 11:09:00	2.7	2.9	0.2	0.00	0.01	0.01	1.3	NNW
12/20/2024 11:10:00	2.7	2.9	0.2	0.00	0.01	0.01	1.3	N
12/20/2024 11:11:00	2.8	2.9	0.1	0.01	0.01	0.01	1.2	NNE
12/20/2024 11:12:00	2.7	2.9	0.2	0.00	0.01	0.01	1.1	NNW
12/20/2024 11:13:00	2.7	2.9	0.3	0.00	0.01	0.01	1.1	N
12/20/2024 11:14:00	2.7	2.9	0.3	0.00	0.01	0.01	1.2	N
12/20/2024 11:15:00	2.6	3.0	0.4	0.00	0.01	0.01	1.2	N
12/20/2024 11:16:00	2.6	3.0	0.4	0.00	0.01	0.01	1.2	NNE
12/20/2024 11:17:00	2.6	2.9	0.4	0.00	0.01	0.01	1.1	W
12/20/2024 11:18:00	2.6	2.9	0.3	0.00	0.01	0.01	1.2	ENE
12/20/2024 11:19:00	2.6	2.9	0.2	0.00	0.01	0.01	1.0	SW
12/20/2024 11:20:00	2.6	2.9	0.3	0.00	0.01	0.01	1.2	NW
12/20/2024 11:21:00	2.6	3.0	0.3	0.00	0.01	0.01	1.1	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 11:22:00	2.7	2.9	0.3	0.00	0.01	0.01	1.0	NE
12/20/2024 11:23:00	2.7	2.9	0.3	0.00	0.01	0.01	1.1	N
12/20/2024 11:24:00	2.7	3.0	0.3	0.00	0.01	0.00	1.1	N
12/20/2024 11:25:00	2.8	2.9	0.2	0.00	0.00	0.00	1.1	ENE
12/20/2024 11:26:00	2.8	2.9	0.2	0.00	0.00	0.00	1.1	NNE
12/20/2024 11:27:00	2.8	2.9	0.1	0.00	0.00	0.00	1.1	NNE
12/20/2024 11:28:00	2.8	3.0	0.1	0.00	0.00	0.00	1.1	NW
12/20/2024 11:29:00	2.9	3.1	0.3	0.00	0.00	0.00	1.0	N
12/20/2024 11:30:00	2.9	3.1	0.1	0.00	0.00	0.00	0.9	NE
12/20/2024 11:31:00	2.9	3.3	0.4	0.00	0.00	0.00	1.0	N
12/20/2024 11:32:00	3.0	3.3	0.3	0.00	0.00	0.00	1.1	NNE
12/20/2024 11:33:00	3.0	3.4	0.4	0.00	0.00	0.00	1.3	N
12/20/2024 11:34:00	3.0	3.5	0.5	0.00	0.00	0.00	1.5	WNW
12/20/2024 11:35:00	3.0	3.5	0.6	0.00	0.00	0.00	1.2	SW
12/20/2024 11:36:00	2.9	3.6	0.7	0.00	0.00	0.00	1.2	SW
12/20/2024 11:37:00	2.8	3.7	0.8	0.00	0.00	0.00	1.0	SSW
12/20/2024 11:38:00	2.8	3.6	0.8	0.00	0.00	0.00	1.0	W
12/20/2024 11:39:00	2.8	3.6	0.8	0.00	0.00	0.00	1.0	NNE
12/20/2024 11:40:00	2.8	3.6	0.8	0.00	0.00	0.00	1.2	NW
12/20/2024 11:41:00	2.7	3.7	1.0	0.00	0.00	0.00	1.3	N
12/20/2024 11:42:00	2.6	3.7	1.1	0.00	0.00	0.00	1.3	WNW
12/20/2024 11:43:00	2.6	3.7	1.0	0.00	0.00	0.00	1.4	N
12/20/2024 11:44:00	2.7	3.6	0.9	0.00	0.00	0.00	1.5	N
12/20/2024 11:45:00	2.6	3.6	1.0	0.00	0.00	0.00	1.4	SW
12/20/2024 11:46:00	2.6	3.5	0.9	0.00	0.00	0.00	1.5	NW
12/20/2024 11:47:00	2.5	3.7	1.2	0.00	0.00	0.00	1.6	N
12/20/2024 11:48:00	2.5	3.6	1.1	0.00	0.00	0.00	1.5	NW
12/20/2024 11:49:00	2.5	3.5	1.1	0.00	0.00	0.00	1.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 11:50:00	2.5	3.5	0.9	0.00	0.00	0.00	1.5	NNE
12/20/2024 11:51:00	2.6	3.4	0.8	0.00	0.00	0.00	1.7	NW
12/20/2024 11:52:00	2.7	3.3	0.7	0.00	0.00	0.00	1.8	NNE
12/20/2024 11:53:00	2.7	3.3	0.6	0.00	0.00	0.00	1.8	NNE
12/20/2024 11:54:00	2.7	3.4	0.7	0.00	0.00	0.00	1.7	W
12/20/2024 11:55:00	2.7	3.4	0.6	0.00	0.00	0.00	1.5	SW
12/20/2024 11:56:00	2.8	3.4	0.6	0.00	0.01	0.00	1.4	NNW
12/20/2024 11:57:00	2.8	3.3	0.5	0.00	0.01	0.00	1.5	NNE
12/20/2024 11:58:00	2.9	3.3	0.4	0.01	0.01	0.00	1.4	NE
12/20/2024 11:59:00	2.9	3.3	0.5	0.01	0.01	0.00	1.3	NW
12/20/2024 12:00:00	2.9	3.3	0.5	0.01	0.01	0.00	1.5	NNW
12/20/2024 12:01:00	2.9	3.3	0.4	0.01	0.01	0.00	1.4	NW
12/20/2024 12:02:00	3.0	3.3	0.3	0.01	0.01	0.00	1.2	N
12/20/2024 12:03:00	3.0	3.3	0.3	0.01	0.01	0.00	1.2	WNW
12/20/2024 12:04:00	3.0	3.3	0.3	0.01	0.01	0.00	1.2	N
12/20/2024 12:05:00	3.0	3.3	0.3	0.01	0.01	0.00	1.2	NNE
12/20/2024 12:06:00	3.1	3.3	0.3	0.01	0.01	0.00	1.3	NNE
12/20/2024 12:07:00	3.1	3.4	0.3	0.01	0.01	0.00	1.3	NNE
12/20/2024 12:08:00	3.1	3.7	0.6	0.00	0.01	0.00	1.4	NE
12/20/2024 12:09:00	3.1	3.7	0.6	0.00	0.01	0.00	1.5	NE
12/20/2024 12:10:00	3.1	3.7	0.6	0.00	0.01	0.00	1.4	SSW
12/20/2024 12:11:00	3.2	3.7	0.6	0.01	0.00	0.00	1.4	NNE
12/20/2024 12:12:00	3.2	3.8	0.6	0.00	0.01	0.00	1.4	NNW
12/20/2024 12:13:00	3.2	3.8	0.6	0.00	0.01	0.00	1.5	NNE
12/20/2024 12:14:00	3.2	3.7	0.5	0.00	0.01	0.00	1.7	NNE
12/20/2024 12:15:00	3.2	3.7	0.5	0.00	0.01	0.00	1.7	N
12/20/2024 12:16:00	3.2	3.7	0.4	0.00	0.01	0.00	1.8	NE
12/20/2024 12:17:00	3.3	3.6	0.3	0.00	0.00	0.00	2.0	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 12:18:00	3.5	3.6	0.1	0.00	0.00	0.00	2.1	NNE
12/20/2024 12:19:00	3.5	3.6	0.2	0.00	0.00	0.00	2.1	NW
12/20/2024 12:20:00	3.4	3.7	0.3	0.00	0.00	0.00	2.1	NW
12/20/2024 12:21:00	3.4	3.7	0.3	0.00	0.00	0.00	2.0	N
12/20/2024 12:22:00	3.3	3.6	0.3	0.00	0.00	0.00	2.1	N
12/20/2024 12:23:00	3.3	3.4	0.1	0.00	0.00	0.00	2.0	NNE
12/20/2024 12:24:00	3.3	3.3	0.0	0.00	0.00	0.00	2.0	NE
12/20/2024 12:25:00	3.3	3.3	0.0	0.00	0.00	0.00	2.1	E
12/20/2024 12:26:00	3.3	3.3	0.0	0.00	0.00	0.00	2.1	ENE
12/20/2024 12:27:00	3.3	3.3	0.1	0.00	0.00	0.00	2.1	ENE
12/20/2024 12:28:00	3.2	3.4	0.2	0.00	0.00	0.00	2.0	NE
12/20/2024 12:29:00	3.2	3.5	0.3	0.00	0.00	0.00	1.8	NNW
12/20/2024 12:30:00	3.3	3.4	0.1	0.00	0.00	0.00	1.8	NNE
12/20/2024 12:31:00	3.4	3.4	0.0	0.00	0.00	0.00	1.7	ESE
12/20/2024 12:32:00	3.4	3.4	0.0	0.00	0.00	0.00	1.3	S
12/20/2024 12:33:00	3.2	3.4	0.2	0.00	0.00	0.00	1.4	NNE
12/20/2024 12:34:00	3.2	3.6	0.4	0.00	0.00	0.00	1.5	ENE
12/20/2024 12:35:00	3.3	3.6	0.3	0.00	0.00	0.00	1.5	N
12/20/2024 12:36:00	3.4	3.6	0.2	0.00	0.00	0.00	1.4	WNW
12/20/2024 12:37:00	3.4	3.6	0.1	0.00	0.00	0.00	1.4	ENE
12/20/2024 12:38:00	3.4	3.6	0.2	0.00	0.00	0.00	1.4	N
12/20/2024 12:39:00	3.4	3.6	0.3	0.00	0.00	0.00	1.2	NW
12/20/2024 12:40:00	3.4	3.6	0.3	0.00	0.00	0.00	1.2	WNW
12/20/2024 12:41:00	3.3	3.6	0.3	0.00	0.00	0.00	1.2	N
12/20/2024 12:42:00	3.3	3.6	0.3	0.00	0.00	0.00	1.2	WNW
12/20/2024 12:43:00	3.2	3.5	0.3	0.00	0.00	0.00	1.1	N
12/20/2024 12:44:00	3.3	3.5	0.1	0.00	0.00	0.00	1.1	NNE
12/20/2024 12:45:00	3.2	3.5	0.3	0.00	0.00	0.00	1.1	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/20/2024 12:46:00	3.1	3.5	0.4	0.00	0.00	0.00	1.3	NNE
12/20/2024 12:47:00	3.1	3.5	0.5	0.00	0.00	0.00	1.5	E
12/20/2024 12:48:00	3.1	3.5	0.4	0.00	0.00	0.00	1.4	NE
12/20/2024 12:49:00	3.1	3.3	0.2	0.00	0.00	0.00	1.5	NE
12/20/2024 12:50:00	3.1	3.3	0.2	0.00	0.00	0.00	1.5	NW
12/20/2024 12:51:00	3.0	3.2	0.2	0.00	0.00	0.00	1.5	N
12/20/2024 12:52:00	3.0	3.2	0.2	0.00	0.00	0.00	1.6	NNE
12/20/2024 12:53:00	2.9	3.2	0.3	0.00	0.00	0.00	1.5	N
12/20/2024 12:54:00	3.0	3.1	0.2	0.00	0.00	0.00	1.5	NE
12/20/2024 12:55:00							1.5	NE
12/20/2024 12:56:00							1.5	NNE

DAILY FIELD REPORT 173

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 21, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon imported one load of 12- to 24-inch revetment stone from Stavola Construction Materials, Inc. of Bridgewater, NJ. See material tracking section for further details.
- Trevcon backfilled an about 30-foot-long by 2-foot-wide area with 1- to 2-foot revetment stone in the south-central part of ABC Block 25 to complete the stone slope in the outside of the concrete retaining wall.
- Trevcon replaced previously installed absorbent booms to the south of ABC Block 25.
- Trevcon removed the Block 25 local turbidity curtain and absorbent booms on western end of the ABC block 25 to collect residual sheen from construction activities in the past month.

Material Tracking:

- No material was exported from the site.
- Trevcon imported one load of 12- to 24-inch Revetment Stone from Stavola Construction Materials, Inc. of Bridgewater, NJ.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**88**
	Quantity (CY)	0	**1740**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	1	**41**
		Quantity (CY)	20	**860**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**12**
		Quantity (CY)	0	**240**

Samples Collected:

- No samples were taken today.

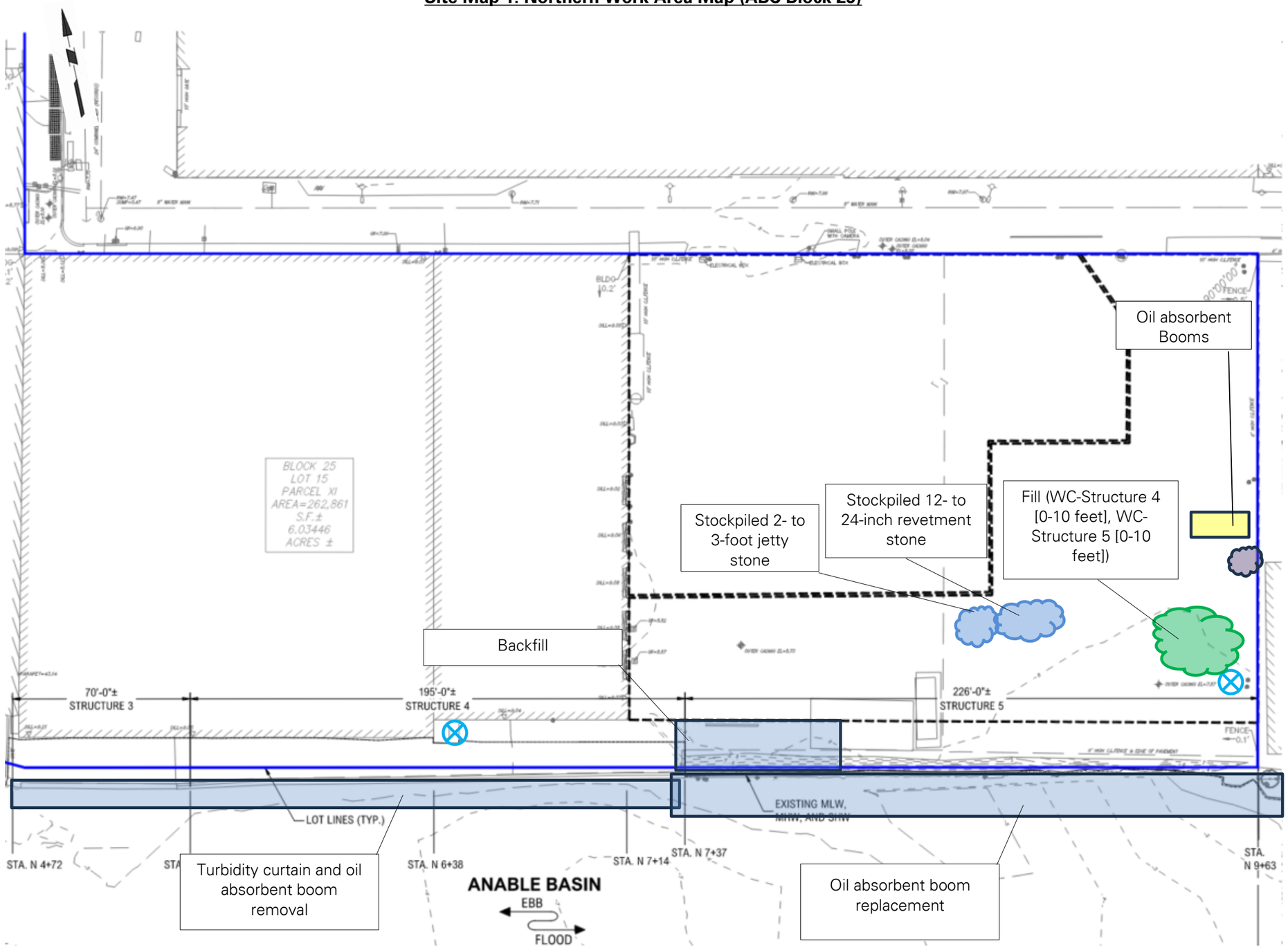
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.
- CAMP was not initiated from 6:00 AM-9:16 AM due to sustained moderate precipitation.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

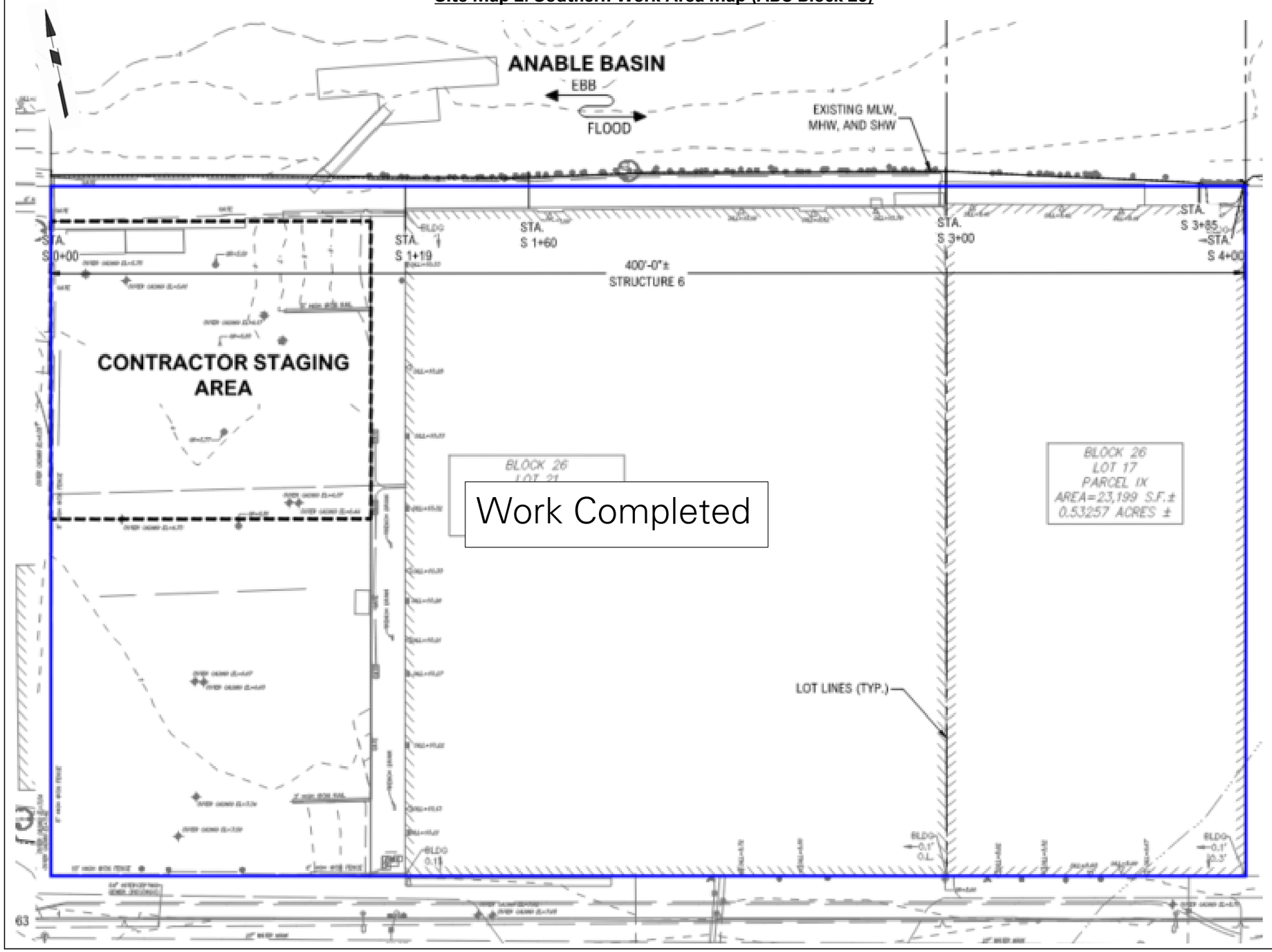


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.21 - Anable Basin Bulkhead Stabilization - Day 173

Site Map 2: Southern Work Area Map (ABC Block 26)



Work Completed

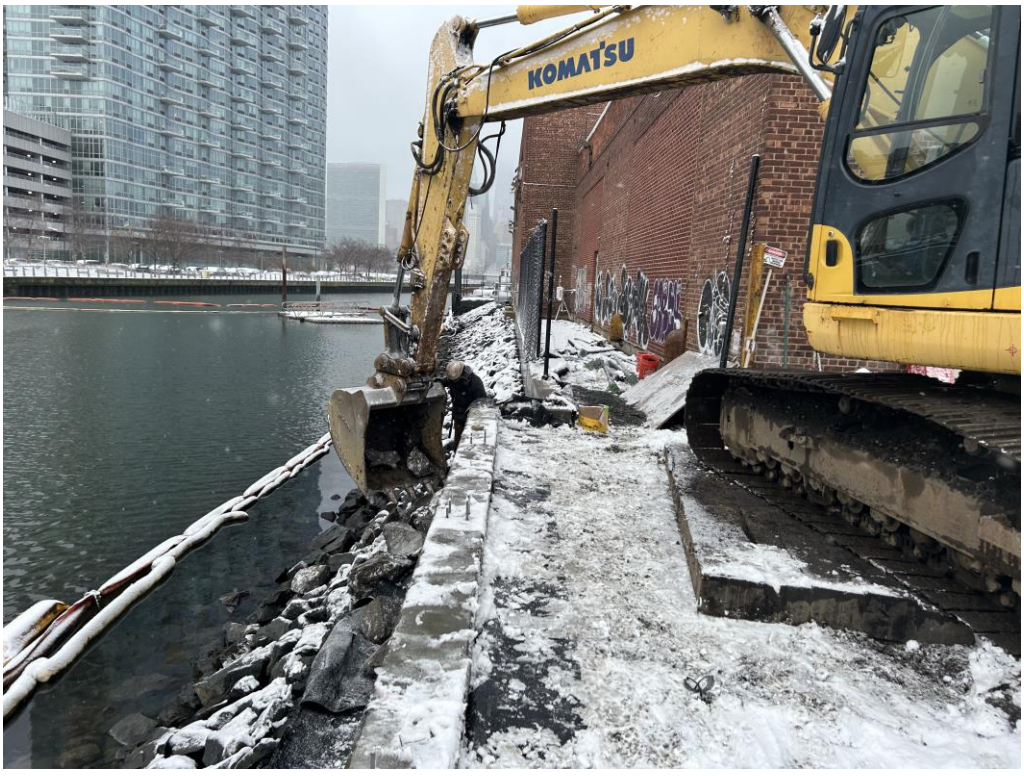
LEGEND

Approximate Site Boundary

General Area of Work

File Name: 2024.12.21 - Anable Basin Bulkhead Stabilization - Day 173

Photo Log

Photo 1: Trevcon removing the western turbidity curtain in the south-central part of Block 25 (facing west).	
Photo 2: Trevcon backfilling in the south-central part of ABC Block 25 (facing west).	

File Name: 2024.12.21 - Anable Basin Bulkhead Stabilization - Day 173

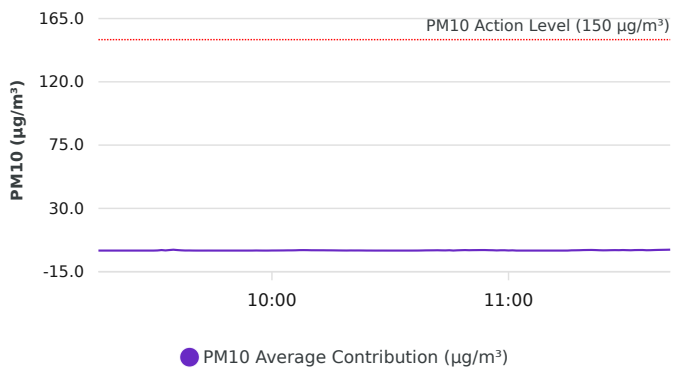
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/21/2024 04:00
		To:	12/21/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/21/2024	1.8-8.3	N

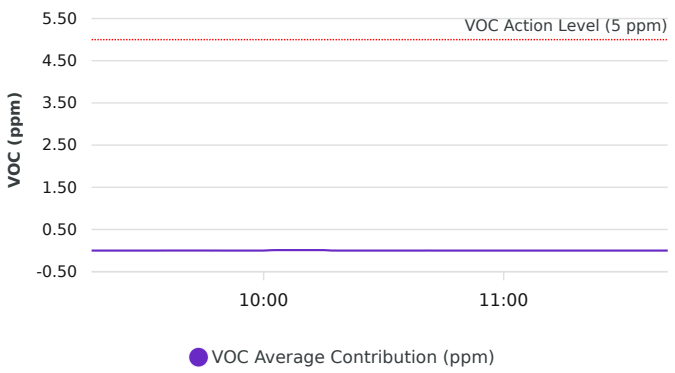
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/21/2024	0.0	09:16	0.00	09:17
Max Contribution (15 min avg.) - 12/21/2024	0.6	11:41	0.01	10:03



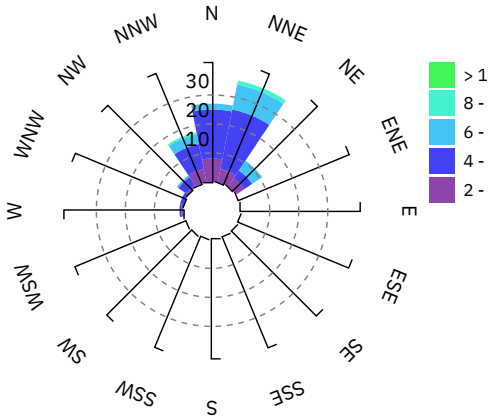
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 09:15:00							1.8	NNE
12/21/2024 09:16:00	8.5	1.9	0.0				3.3	NNE
12/21/2024 09:17:00	7.4	1.8	0.0	0.03	0.00	0.00	4.2	NNE
12/21/2024 09:18:00	5.6	3.3	0.0	0.01	0.01	0.00	4.5	N
12/21/2024 09:19:00	5.8	2.9	0.0	0.02	0.01	0.00	4.5	NNE
12/21/2024 09:20:00	5.9	2.7	0.0	0.02	0.01	0.00	5.1	NNE
12/21/2024 09:21:00	5.2	3.1	0.0	0.02	0.01	0.00	5.0	N
12/21/2024 09:22:00	4.7	3.2	0.0	0.01	0.01	0.00	5.2	N
12/21/2024 09:23:00	4.3	3.2	0.0	0.01	0.01	0.00	5.2	N
12/21/2024 09:24:00	4.3	3.2	0.0	0.01	0.01	0.00	4.9	NW
12/21/2024 09:25:00	4.1	3.2	0.0	0.01	0.00	0.00	5.1	NNE
12/21/2024 09:26:00	3.9	3.1	0.0	0.01	0.00	0.00	5.0	N
12/21/2024 09:27:00	3.7	3.0	0.0	0.01	0.00	0.00	5.0	NNE
12/21/2024 09:28:00	3.5	3.0	0.0	0.01	0.00	0.00	5.1	NNE
12/21/2024 09:29:00	3.5	2.9	0.0	0.01	0.00	0.00	5.0	NNW
12/21/2024 09:30:00	3.4	3.0	0.0	0.01	0.00	0.00	5.0	N
12/21/2024 09:31:00	3.0	3.1	0.1	0.01	0.00	0.00	4.8	N
12/21/2024 09:32:00	2.7	3.1	0.4	0.00	0.00	0.00	4.6	NW
12/21/2024 09:33:00	2.7	2.8	0.1	0.01	0.00	0.00	4.4	NNE
12/21/2024 09:34:00	2.4	2.8	0.4	0.00	0.00	0.00	4.5	N
12/21/2024 09:35:00	2.1	2.7	0.6	0.00	0.00	0.00	4.1	NNW
12/21/2024 09:36:00	2.1	2.4	0.4	0.00	0.00	0.00	4.0	N
12/21/2024 09:37:00	2.1	2.3	0.2	0.00	0.00	0.00	3.8	N
12/21/2024 09:38:00	2.1	2.1	0.1	0.00	0.00	0.00	3.7	N
12/21/2024 09:39:00	2.0	2.0	0.1	0.00	0.00	0.00	3.8	NNW
12/21/2024 09:40:00	1.9	1.9	0.0	0.00	0.00	0.00	3.5	N
12/21/2024 09:41:00	1.9	1.9	0.0	0.00	0.00	0.00	3.3	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 09:42:00	1.9	1.9	0.0	0.00	0.00	0.00	3.4	NE
12/21/2024 09:43:00	1.9	1.8	0.0	0.00	0.00	0.00	3.3	NNE
12/21/2024 09:44:00	1.8	1.8	0.0	0.00	0.00	0.00	3.4	NNE
12/21/2024 09:45:00	1.8	1.7	0.0	0.00	0.00	0.00	3.3	WNW
12/21/2024 09:46:00	1.7	1.6	0.0	0.00	0.00	0.00	3.6	NNE
12/21/2024 09:47:00	1.6	1.6	0.0	0.00	0.00	0.00	3.9	NNE
12/21/2024 09:48:00	1.6	1.6	0.0	0.00	0.00	0.00	4.0	NNE
12/21/2024 09:49:00	1.6	1.5	0.0	0.00	0.00	0.00	4.0	N
12/21/2024 09:50:00	1.6	1.5	0.0	0.00	0.00	0.00	4.0	NNW
12/21/2024 09:51:00	1.7	1.6	0.0	0.00	0.00	0.00	4.4	NNE
12/21/2024 09:52:00	1.8	1.6	0.0	0.00	0.00	0.00	4.5	NNE
12/21/2024 09:53:00	1.8	1.6	0.0	0.00	0.00	0.00	4.4	NNE
12/21/2024 09:54:00	1.8	1.7	0.0	0.00	0.00	0.00	4.5	NNW
12/21/2024 09:55:00	1.8	1.8	0.0	0.00	0.00	0.00	4.5	NW
12/21/2024 09:56:00	1.8	1.8	0.1	0.00	0.00	0.00	4.7	N
12/21/2024 09:57:00	1.8	1.8	0.0	0.00	0.00	0.00	4.6	NNW
12/21/2024 09:58:00	1.9	1.8	0.0	0.00	0.00	0.00	4.4	W
12/21/2024 09:59:00	1.8	1.8	0.0	0.00	0.00	0.00	4.2	NNE
12/21/2024 10:00:00	1.8	1.8	0.1	0.00	0.00	0.00	4.4	NNE
12/21/2024 10:01:00	1.8	1.9	0.1	0.00	0.01	0.01	4.2	NNE
12/21/2024 10:02:00	1.8	1.9	0.1	0.00	0.01	0.01	4.1	NNE
12/21/2024 10:03:00	1.7	1.8	0.1	0.00	0.01	0.01	4.0	NNE
12/21/2024 10:04:00	1.7	1.9	0.1	0.00	0.01	0.01	4.0	NNE
12/21/2024 10:05:00	1.7	1.9	0.1	0.00	0.01	0.01	3.8	W
12/21/2024 10:06:00	1.6	1.8	0.2	0.00	0.01	0.01	3.5	N
12/21/2024 10:07:00	1.5	1.8	0.3	0.00	0.01	0.01	3.5	NNW
12/21/2024 10:08:00	1.4	1.8	0.3	0.00	0.01	0.01	3.7	N
12/21/2024 10:09:00	1.4	1.7	0.3	0.00	0.01	0.01	3.6	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 10:10:00	1.4	1.6	0.2	0.00	0.01	0.01	3.7	N
12/21/2024 10:11:00	1.4	1.6	0.2	0.00	0.01	0.01	3.8	N
12/21/2024 10:12:00	1.3	1.6	0.2	0.00	0.01	0.01	3.8	N
12/21/2024 10:13:00	1.3	1.5	0.2	0.00	0.01	0.01	4.0	NNW
12/21/2024 10:14:00	1.3	1.5	0.2	0.00	0.01	0.01	4.4	N
12/21/2024 10:15:00	1.3	1.5	0.2	0.00	0.01	0.01	4.2	NNW
12/21/2024 10:16:00	1.3	1.5	0.1	0.00	0.01	0.01	4.2	NNW
12/21/2024 10:17:00	1.4	1.5	0.1	0.00	0.00	0.00	4.4	NNE
12/21/2024 10:18:00	1.4	1.5	0.1	0.00	0.00	0.00	4.6	N
12/21/2024 10:19:00	1.4	1.5	0.0	0.00	0.00	0.00	4.7	NNE
12/21/2024 10:20:00	1.4	1.5	0.1	0.00	0.00	0.00	4.8	N
12/21/2024 10:21:00	1.5	1.6	0.1	0.00	0.00	0.00	5.0	NNE
12/21/2024 10:22:00	1.5	1.5	0.1	0.00	0.00	0.00	4.9	NNE
12/21/2024 10:23:00	1.4	1.5	0.1	0.00	0.00	0.00	4.8	N
12/21/2024 10:24:00	1.4	1.5	0.0	0.00	0.00	0.00	4.8	NNW
12/21/2024 10:25:00	1.4	1.4	0.0	0.00	0.00	0.00	4.8	NNE
12/21/2024 10:26:00	1.4	1.4	0.0	0.00	0.00	0.00	4.7	NNW
12/21/2024 10:27:00	1.4	1.4	0.0	0.00	0.00	0.00	4.5	NNE
12/21/2024 10:28:00	1.4	1.4	0.0	0.00	0.00	0.00	4.7	NNE
12/21/2024 10:29:00	1.4	1.4	0.0	0.00	0.00	0.00	4.4	NNW
12/21/2024 10:30:00	1.4	1.3	0.0	0.00	0.00	0.00	4.5	NNW
12/21/2024 10:31:00	1.3	1.3	0.0	0.00	0.00	0.00	4.7	N
12/21/2024 10:32:00	1.3	1.2	0.0	0.00	0.00	0.00	4.7	NNE
12/21/2024 10:33:00	1.3	1.2	0.0	0.00	0.00	0.00	4.6	NNE
12/21/2024 10:34:00	1.2	1.2	0.0	0.00	0.00	0.00	4.4	NE
12/21/2024 10:35:00	1.2	1.1	0.0	0.00	0.00	0.00	4.3	N
12/21/2024 10:36:00	1.1	1.1	0.0	0.00	0.00	0.00	4.3	NE
12/21/2024 10:37:00	1.1	1.1	0.0	0.00	0.00	0.00	4.3	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 10:38:00	1.1	1.1	0.1	0.00	0.00	0.00	4.3	NNE
12/21/2024 10:39:00	1.0	1.2	0.1	0.00	0.00	0.00	4.4	NNE
12/21/2024 10:40:00	1.0	1.2	0.2	0.00	0.00	0.00	4.4	N
12/21/2024 10:41:00	1.0	1.2	0.2	0.00	0.00	0.00	4.4	N
12/21/2024 10:42:00	0.9	1.2	0.2	0.00	0.00	0.00	4.4	N
12/21/2024 10:43:00	1.0	1.1	0.1	0.00	0.00	0.00	4.2	NNW
12/21/2024 10:44:00	1.0	1.1	0.1	0.00	0.00	0.00	4.2	NNW
12/21/2024 10:45:00	0.9	1.1	0.2	0.00	0.00	0.00	4.4	NNE
12/21/2024 10:46:00	1.0	1.1	0.0	0.00	0.00	0.00	4.3	N
12/21/2024 10:47:00	0.9	1.1	0.2	0.00	0.00	0.00	4.0	NE
12/21/2024 10:48:00	0.9	1.1	0.3	0.00	0.00	0.00	4.0	NE
12/21/2024 10:49:00	0.8	1.2	0.3	0.00	0.00	0.00	4.0	NE
12/21/2024 10:50:00	0.9	1.1	0.3	0.00	0.00	0.00	4.0	NNW
12/21/2024 10:51:00	0.8	1.1	0.3	0.00	0.00	0.00	4.0	NNE
12/21/2024 10:52:00	0.8	1.1	0.3	0.00	0.00	0.00	4.2	NNE
12/21/2024 10:53:00	0.8	1.1	0.4	0.00	0.00	0.00	4.3	NNE
12/21/2024 10:54:00	0.8	1.1	0.4	0.00	0.00	0.00	4.5	NNE
12/21/2024 10:55:00	0.8	1.1	0.3	0.00	0.00	0.00	4.5	N
12/21/2024 10:56:00	0.8	1.0	0.2	0.00	0.00	0.00	4.5	NW
12/21/2024 10:57:00	0.8	0.9	0.1	0.00	0.00	0.00	4.5	N
12/21/2024 10:58:00	0.7	0.9	0.2	0.00	0.00	0.00	4.8	NNE
12/21/2024 10:59:00	0.7	0.9	0.2	0.00	0.00	0.00	4.8	NW
12/21/2024 11:00:00	0.8	0.8	0.1	0.00	0.00	0.00	4.8	NNW
12/21/2024 11:01:00	0.7	0.9	0.2	0.00	0.00	0.00	5.0	N
12/21/2024 11:02:00	0.8	0.8	0.0	0.00	0.00	0.00	5.2	N
12/21/2024 11:03:00	1.0	0.8	0.0	0.00	0.00	0.00	5.2	NW
12/21/2024 11:04:00	1.1	0.7	0.0	0.00	0.00	0.00	5.4	NNW
12/21/2024 11:05:00	1.1	0.8	0.0	0.00	0.00	0.00	5.5	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 11:06:00	1.2	0.8	0.0	0.00	0.00	0.00	5.5	NNW
12/21/2024 11:07:00	1.3	0.9	0.0	0.00	0.00	0.00	5.7	NNW
12/21/2024 11:08:00	1.3	1.0	0.0	0.00	0.00	0.00	5.7	NNW
12/21/2024 11:09:00	1.4	1.1	0.0	0.00	0.00	0.00	5.5	N
12/21/2024 11:10:00	1.4	1.2	0.0	0.00	0.00	0.00	5.4	NE
12/21/2024 11:11:00	1.4	1.3	0.0	0.00	0.00	0.00	5.5	NW
12/21/2024 11:12:00	1.4	1.3	0.0	0.00	0.00	0.00	5.3	NNE
12/21/2024 11:13:00	1.4	1.3	0.0	0.00	0.00	0.00	5.2	NNE
12/21/2024 11:14:00	1.4	1.3	0.0	0.00	0.00	0.00	5.1	NNW
12/21/2024 11:15:00	1.4	1.4	0.0	0.00	0.00	0.00	5.0	NNE
12/21/2024 11:16:00	1.3	1.4	0.2	0.00	0.00	0.00	5.0	NNE
12/21/2024 11:17:00	1.2	1.4	0.2	0.00	0.00	0.00	5.1	NNW
12/21/2024 11:18:00	1.1	1.3	0.3	0.00	0.00	0.00	5.1	N
12/21/2024 11:19:00	1.0	1.4	0.4	0.00	0.00	0.00	5.1	NNE
12/21/2024 11:20:00	0.9	1.3	0.4	0.00	0.00	0.00	5.2	NNE
12/21/2024 11:21:00	0.9	1.4	0.4	0.00	0.00	0.00	5.2	N
12/21/2024 11:22:00	0.9	1.3	0.4	0.00	0.00	0.00	5.0	NNW
12/21/2024 11:23:00	0.9	1.1	0.2	0.00	0.00	0.00	5.0	NNE
12/21/2024 11:24:00	0.8	1.0	0.2	0.00	0.00	0.00	5.1	NE
12/21/2024 11:25:00	0.8	1.0	0.2	0.00	0.00	0.00	5.1	NE
12/21/2024 11:26:00	0.8	1.0	0.3	0.00	0.00	0.00	5.3	NNE
12/21/2024 11:27:00	0.7	1.1	0.3	0.00	0.00	0.00	5.4	NE
12/21/2024 11:28:00	0.8	1.1	0.3	0.00	0.00	0.00	5.6	NE
12/21/2024 11:29:00	0.7	1.1	0.4	0.00	0.00	0.00	5.7	NNE
12/21/2024 11:30:00	0.8	1.1	0.3	0.00	0.00	0.00	5.8	N
12/21/2024 11:31:00	0.8	1.1	0.2	0.00	0.00	0.00	5.5	N
12/21/2024 11:32:00	0.8	1.2	0.3	0.00	0.00	0.00	5.4	NNE
12/21/2024 11:33:00	0.9	1.3	0.4	0.00	0.00	0.00	5.3	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/21/2024 11:34:00	1.0	1.4	0.4	0.00	0.00	0.00	5.1	NE
12/21/2024 11:35:00	1.1	1.3	0.2	0.00	0.00	0.00	4.9	N
12/21/2024 11:36:00	1.0	1.3	0.3	0.00	0.00	0.00	5.1	NE
12/21/2024 11:37:00	1.0	1.4	0.4	0.00	0.00	0.00	5.3	NNE
12/21/2024 11:38:00	1.0	1.4	0.5	0.00	0.00	0.00	5.3	NNE
12/21/2024 11:39:00	1.0	1.5	0.5	0.00	0.00	0.00	5.1	NE
12/21/2024 11:40:00	1.0	1.6	0.6	0.00	0.00	0.00	4.8	NNE
12/21/2024 11:41:00	1.0	1.6	0.6	0.00	0.00	0.00	4.7	NE
12/21/2024 11:42:00							4.6	N

DAILY FIELD REPORT 174

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Sunny	
TEMP.	< 30		32-50	X	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 22, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 12:00 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: JN Stanley
Trevcon Construction (Trevcon): Jaime Lijo

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon backfilled an about 25-foot-long by 5-foot-wide area with 1- to 2-foot revetment stone in the south-central part of ABC Block 25 to complete the stone slope in the outside of the concrete retaining wall.

Material Tracking:

- No material was exported from the site.
- No material was imported to the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	0	**88**
	Quantity (CY)	0	**1740**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**41**
		Quantity (CY)	0	**860**

Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**12**
		Quantity (CY)	0	**240**

Samples Collected:

- No samples were taken today.

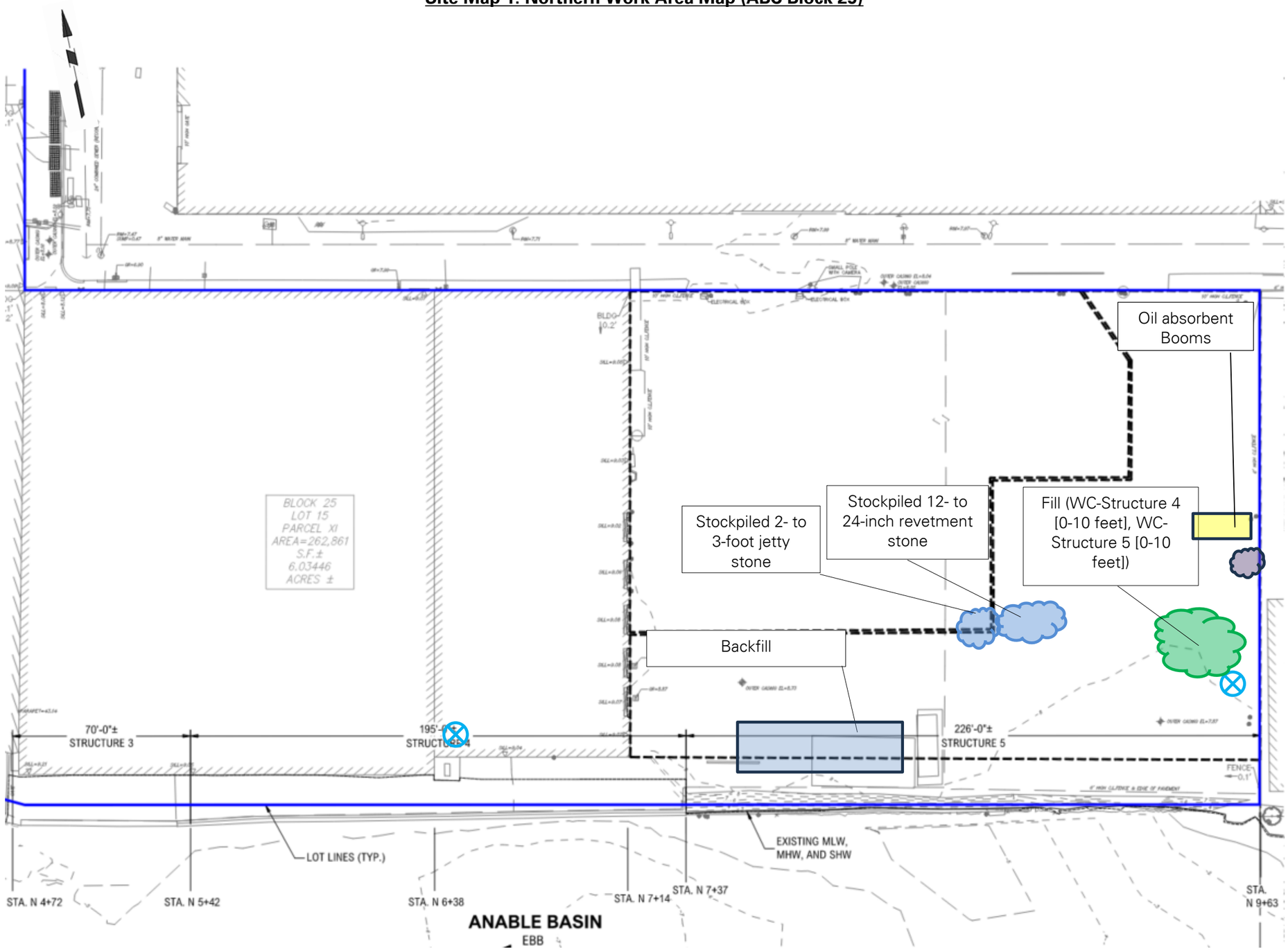
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

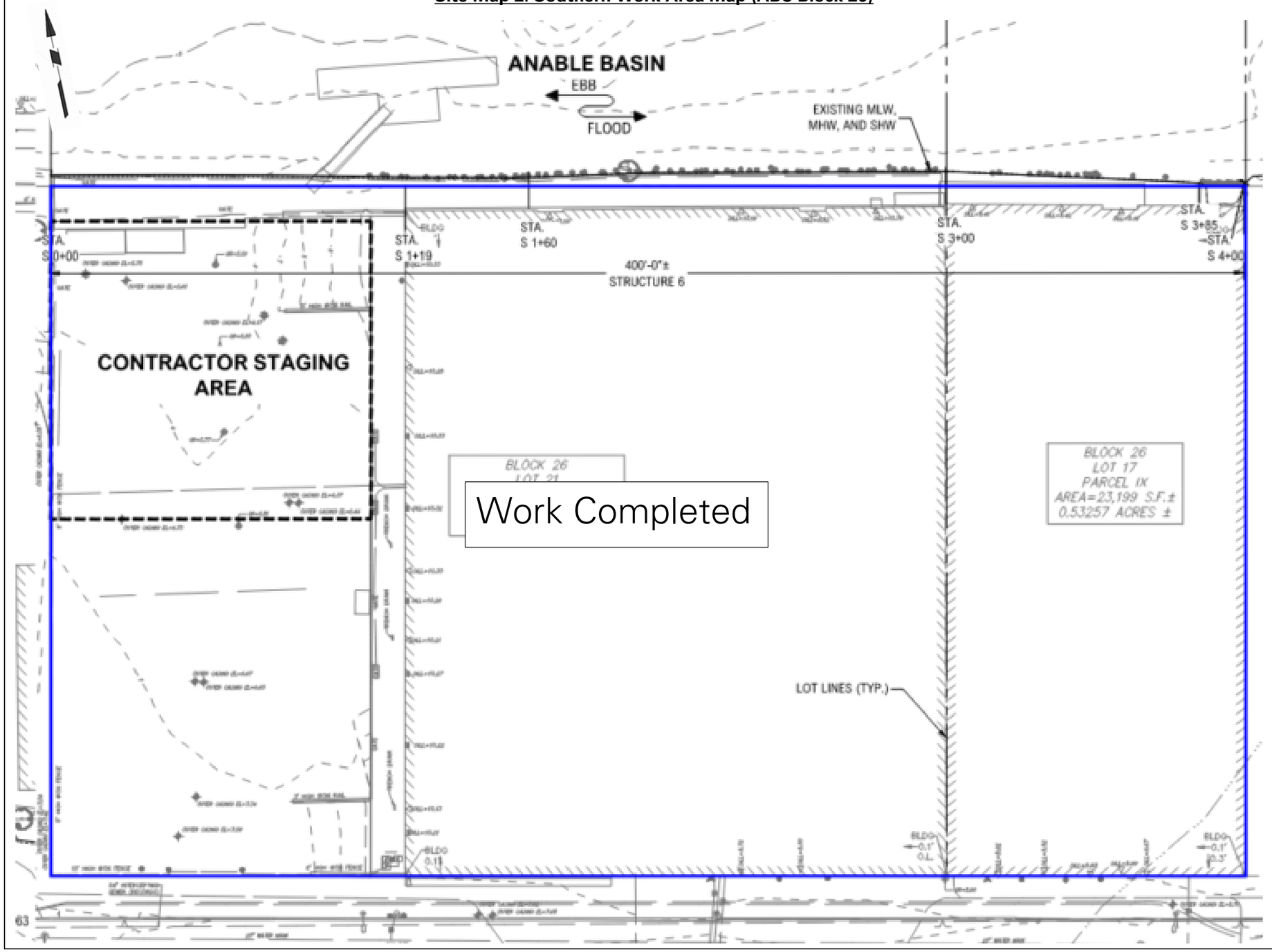


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate soil/fill stockpile location**
- **Approximate soil disposal container location**
- **Approximate C&D debris stockpile location**
- **Approximate C&D debris disposal container location**
- **Approximate import stockpile location**
- **Approximate oil absorbent booms stored in 55-gallon drums location**

File Name: 2024.12.22 - Anable Basin Bulkhead Stabilization - Day 174

Site Map 2: Southern Work Area Map (ABC Block 26)

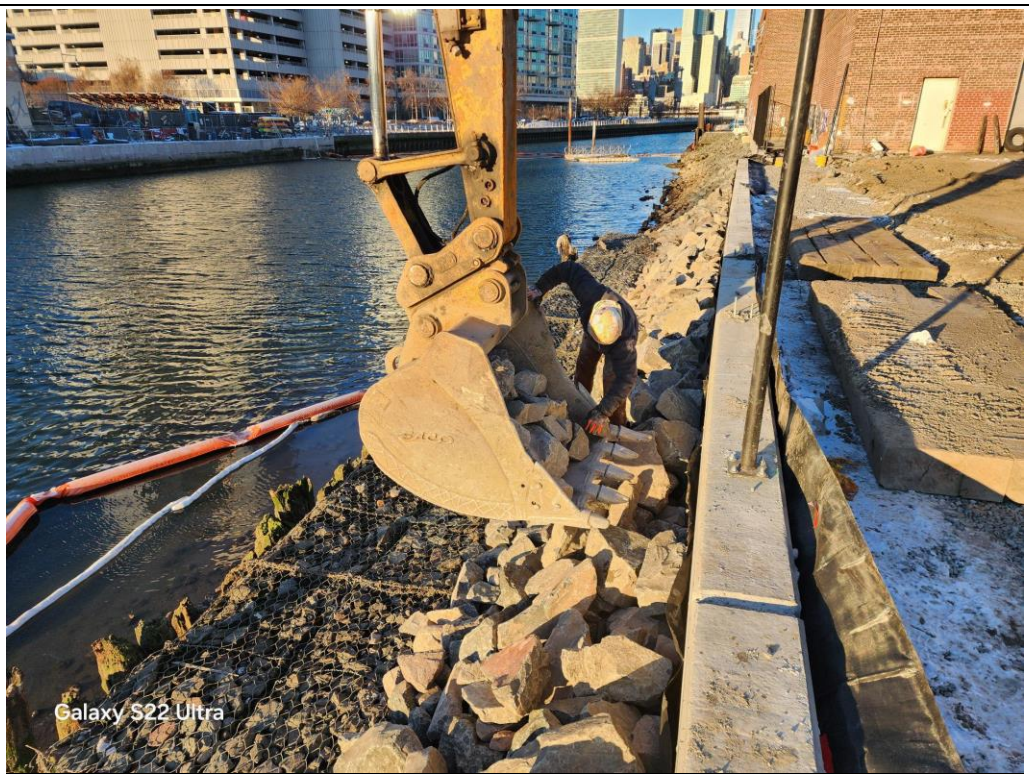
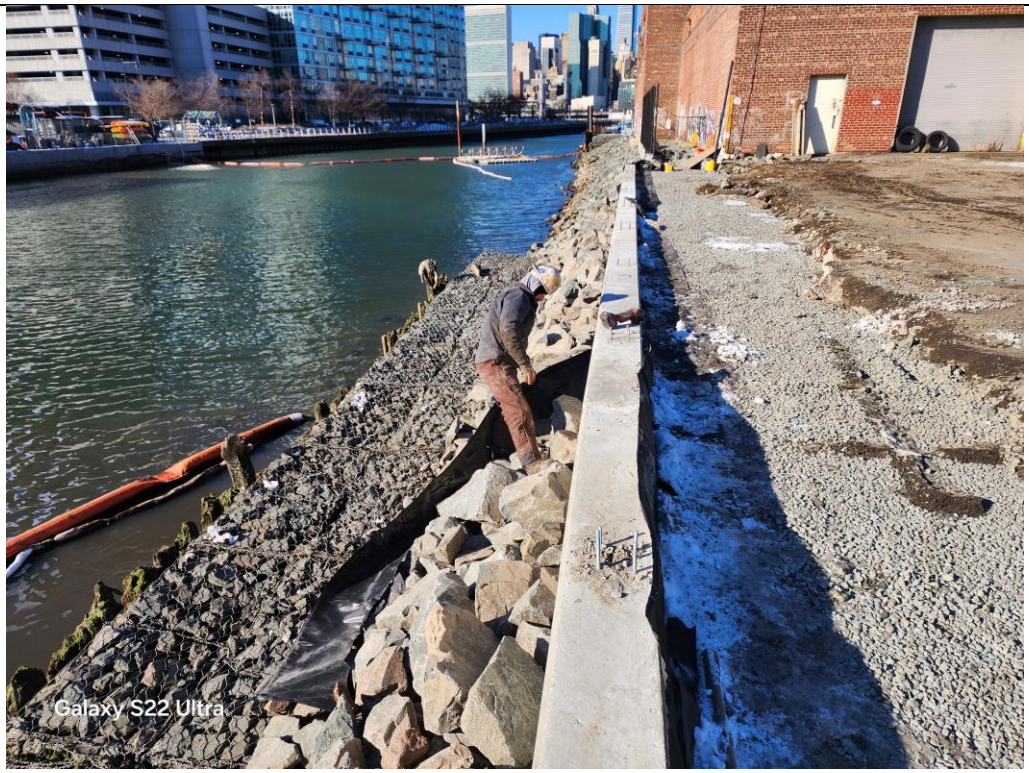


LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.22 - Anable Basin Bulkhead Stabilization - Day 174

Photo Log

Photo 1: Trevcon backfilling 1- to 2-foot revetment stone in the south-central part of ABC Block 25 (facing west).	
Photo 2: General view of the southern part of ABC Block 25 (facing west).	

File Name: 2024.12.22 - Anable Basin Bulkhead Stabilization - Day 174

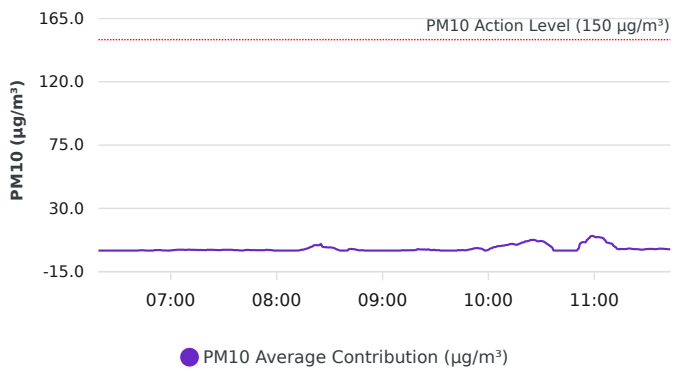
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/22/2024 04:00
		To:	12/22/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/22/2024	0.8-8.1	N

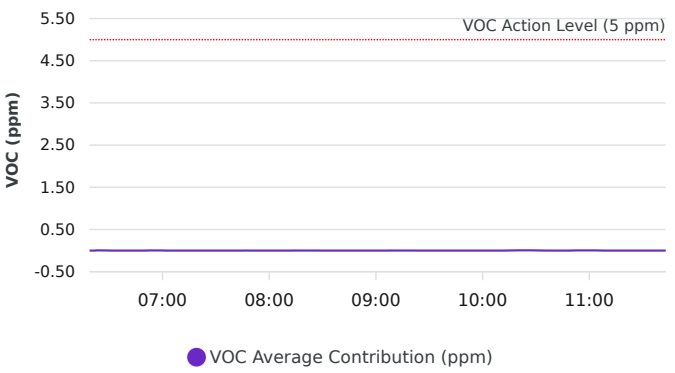
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/22/2024	0.0	06:19	0.00	06:19
Max Contribution (15 min avg.) - 12/22/2024	10.4	10:59	0.01	10:21



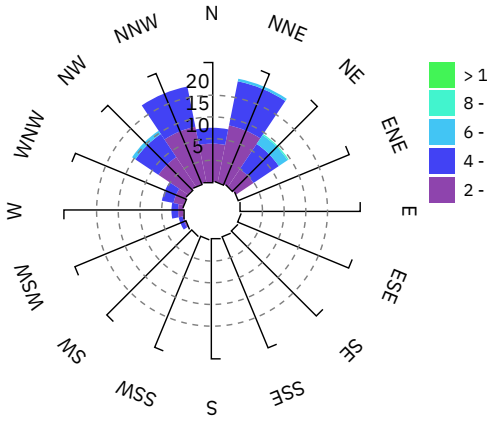
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 06:17:00							0.8	SW
12/22/2024 06:18:00							1.3	NE
12/22/2024 06:19:00	6.2	3.8	0.0	0.02	0.00	0.00	2.2	NNE
12/22/2024 06:20:00	5.4	5.0	0.0	0.01	0.01	0.00	2.6	NNW
12/22/2024 06:21:00	5.7	5.3	0.0	0.01	0.01	0.00	2.7	N
12/22/2024 06:22:00	5.7	5.5	0.0	0.01	0.01	0.00	2.7	NNW
12/22/2024 06:23:00	5.7	5.6	0.0	0.01	0.01	0.00	2.7	NNW
12/22/2024 06:24:00	5.7	5.4	0.0	0.01	0.01	0.01	2.8	NW
12/22/2024 06:25:00	5.8	5.0	0.0	0.01	0.01	0.00	2.7	WNW
12/22/2024 06:26:00	5.6	4.9	0.0	0.01	0.01	0.00	2.5	W
12/22/2024 06:27:00	5.6	4.8	0.0	0.00	0.01	0.00	2.6	NW
12/22/2024 06:28:00	5.5	4.9	0.0	0.00	0.01	0.00	2.6	NNW
12/22/2024 06:29:00	5.4	4.8	0.0	0.01	0.01	0.00	2.6	NNE
12/22/2024 06:30:00	5.2	4.7	0.0	0.01	0.01	0.00	2.5	NNE
12/22/2024 06:31:00	5.0	4.5	0.0	0.01	0.01	0.00	2.4	NE
12/22/2024 06:32:00	4.8	4.3	0.0	0.01	0.01	0.00	2.7	NNE
12/22/2024 06:33:00	4.7	4.1	0.0	0.01	0.01	0.00	2.8	NE
12/22/2024 06:34:00	4.5	4.0	0.0	0.01	0.01	0.00	2.8	N
12/22/2024 06:35:00	4.4	3.9	0.0	0.01	0.00	0.00	2.7	NNW
12/22/2024 06:36:00	4.5	3.7	0.0	0.01	0.00	0.00	2.7	NNE
12/22/2024 06:37:00	4.3	3.5	0.0	0.01	0.00	0.00	2.7	NE
12/22/2024 06:38:00	4.1	3.3	0.0	0.01	0.00	0.00	2.8	NNE
12/22/2024 06:39:00	3.8	3.2	0.0	0.01	0.00	0.00	2.9	NE
12/22/2024 06:40:00	3.5	3.2	0.0	0.01	0.00	0.00	3.2	NE
12/22/2024 06:41:00	3.2	3.2	0.0	0.01	0.00	0.00	3.6	NE
12/22/2024 06:42:00	3.0	3.1	0.1	0.01	0.00	0.00	3.8	NNE
12/22/2024 06:43:00	2.7	2.9	0.2	0.01	0.00	0.00	3.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 06:44:00	2.5	2.8	0.3	0.01	0.00	0.00	4.0	NE
12/22/2024 06:45:00	2.5	2.7	0.1	0.01	0.00	0.00	4.0	N
12/22/2024 06:46:00	2.5	2.6	0.0	0.01	0.00	0.00	3.9	NW
12/22/2024 06:47:00	2.5	2.5	0.0	0.01	0.00	0.00	3.8	NNW
12/22/2024 06:48:00	2.5	2.4	0.0	0.01	0.00	0.00	3.4	WNW
12/22/2024 06:49:00	2.4	2.4	0.0	0.01	0.00	0.00	3.4	N
12/22/2024 06:50:00	2.3	2.3	0.0	0.01	0.00	0.00	3.4	NNW
12/22/2024 06:51:00	1.9	2.2	0.4	0.00	0.00	0.00	3.5	NE
12/22/2024 06:52:00	1.8	2.1	0.4	0.00	0.00	0.00	3.6	NE
12/22/2024 06:53:00	1.6	2.0	0.4	0.00	0.00	0.00	3.8	NE
12/22/2024 06:54:00	1.6	1.9	0.4	0.00	0.00	0.00	3.8	NE
12/22/2024 06:55:00	1.6	1.8	0.1	0.00	0.00	0.00	3.6	N
12/22/2024 06:56:00	1.6	1.7	0.1	0.00	0.00	0.00	3.6	NNE
12/22/2024 06:57:00	1.5	1.6	0.1	0.00	0.00	0.00	3.6	NNE
12/22/2024 06:58:00	1.5	1.5	0.0	0.00	0.01	0.00	3.6	N
12/22/2024 06:59:00	1.5	1.4	0.0	0.00	0.01	0.00	3.4	NNE
12/22/2024 07:00:00	1.3	1.4	0.1	0.00	0.00	0.00	3.4	NNE
12/22/2024 07:01:00	1.2	1.5	0.3	0.00	0.00	0.00	3.6	NNE
12/22/2024 07:02:00	1.2	1.5	0.4	0.00	0.00	0.00	3.6	NE
12/22/2024 07:03:00	1.1	1.6	0.5	0.00	0.00	0.00	3.9	NE
12/22/2024 07:04:00	1.0	1.6	0.6	0.01	0.00	0.00	3.9	NNE
12/22/2024 07:05:00	0.9	1.5	0.6	0.01	0.00	0.00	4.0	NNE
12/22/2024 07:06:00	0.9	1.4	0.6	0.01	0.00	0.00	3.9	NNE
12/22/2024 07:07:00	0.9	1.6	0.6	0.01	0.00	0.00	3.6	NNW
12/22/2024 07:08:00	1.1	1.5	0.5	0.01	0.00	0.00	3.4	NNE
12/22/2024 07:09:00	1.1	1.6	0.5	0.01	0.00	0.00	3.2	NNW
12/22/2024 07:10:00	1.1	1.8	0.7	0.01	0.00	0.00	3.2	NNW
12/22/2024 07:11:00	1.1	1.7	0.6	0.01	0.00	0.00	3.3	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 07:12:00	1.1	1.7	0.5	0.01	0.00	0.00	3.4	NNE
12/22/2024 07:13:00	1.1	1.7	0.6	0.01	0.00	0.00	3.4	NNE
12/22/2024 07:14:00	1.2	1.6	0.5	0.01	0.00	0.00	3.6	NE
12/22/2024 07:15:00	1.2	1.6	0.4	0.01	0.00	0.00	3.8	NNE
12/22/2024 07:16:00	1.2	1.6	0.4	0.01	0.00	0.00	3.8	NNE
12/22/2024 07:17:00	1.1	1.6	0.5	0.01	0.00	0.00	3.9	NE
12/22/2024 07:18:00	1.2	1.6	0.4	0.01	0.00	0.00	4.0	N
12/22/2024 07:19:00	1.2	1.6	0.4	0.00	0.00	0.00	3.9	NNW
12/22/2024 07:20:00	1.2	1.6	0.4	0.00	0.00	0.00	3.8	NW
12/22/2024 07:21:00	1.2	1.8	0.6	0.00	0.00	0.00	3.8	N
12/22/2024 07:22:00	1.2	1.6	0.5	0.00	0.00	0.00	3.9	NE
12/22/2024 07:23:00	1.0	1.6	0.6	0.00	0.00	0.00	4.0	NNE
12/22/2024 07:24:00	1.0	1.5	0.5	0.00	0.00	0.00	4.0	NNW
12/22/2024 07:25:00	0.9	1.4	0.4	0.00	0.00	0.00	4.1	NNE
12/22/2024 07:26:00	0.9	1.3	0.4	0.00	0.00	0.00	4.0	NNE
12/22/2024 07:27:00	1.0	1.3	0.3	0.00	0.00	0.00	3.9	NNE
12/22/2024 07:28:00	1.0	1.3	0.3	0.00	0.00	0.00	3.9	NNW
12/22/2024 07:29:00	1.0	1.4	0.5	0.00	0.00	0.00	3.8	NNW
12/22/2024 07:30:00	1.0	1.6	0.6	0.00	0.00	0.00	3.6	NW
12/22/2024 07:31:00	1.0	1.6	0.6	0.00	0.00	0.00	3.5	NNW
12/22/2024 07:32:00	1.0	1.6	0.5	0.00	0.00	0.00	3.5	N
12/22/2024 07:33:00	1.0	1.6	0.6	0.00	0.00	0.00	3.4	NE
12/22/2024 07:34:00	1.0	1.5	0.6	0.00	0.00	0.00	3.4	NE
12/22/2024 07:35:00	1.0	1.5	0.5	0.00	0.00	0.00	3.5	NNE
12/22/2024 07:36:00	1.0	1.3	0.3	0.00	0.00	0.00	3.5	NNE
12/22/2024 07:37:00	0.9	1.3	0.3	0.00	0.00	0.00	3.5	NE
12/22/2024 07:38:00	0.9	1.3	0.3	0.00	0.00	0.00	3.3	NW
12/22/2024 07:39:00	1.2	1.3	0.1	0.00	0.00	0.00	3.4	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 07:40:00	1.2	1.3	0.1	0.00	0.00	0.00	3.3	NNW
12/22/2024 07:41:00	1.2	1.3	0.1	0.00	0.00	0.00	3.2	WNW
12/22/2024 07:42:00	1.0	1.4	0.3	0.00	0.00	0.00	3.1	NW
12/22/2024 07:43:00	1.0	1.5	0.5	0.00	0.00	0.00	3.2	NNW
12/22/2024 07:44:00	1.0	1.5	0.5	0.00	0.00	0.00	3.2	NNW
12/22/2024 07:45:00	1.0	1.3	0.3	0.00	0.00	0.00	3.1	NW
12/22/2024 07:46:00	0.9	1.3	0.3	0.00	0.00	0.00	3.1	NW
12/22/2024 07:47:00	0.9	1.3	0.3	0.00	0.00	0.00	3.2	N
12/22/2024 07:48:00	0.9	1.2	0.3	0.00	0.00	0.00	3.2	N
12/22/2024 07:49:00	0.9	1.2	0.2	0.00	0.00	0.00	3.2	NNE
12/22/2024 07:50:00	0.9	1.2	0.3	0.00	0.00	0.00	3.1	NE
12/22/2024 07:51:00	0.8	1.1	0.3	0.00	0.00	0.00	3.0	NNE
12/22/2024 07:52:00	0.8	1.1	0.3	0.00	0.00	0.00	3.2	NNE
12/22/2024 07:53:00	0.8	1.0	0.3	0.00	0.00	0.00	3.2	NE
12/22/2024 07:54:00	0.5	1.0	0.5	0.00	0.00	0.00	3.2	NNE
12/22/2024 07:55:00	0.5	1.0	0.5	0.00	0.00	0.00	3.2	NE
12/22/2024 07:56:00	0.5	0.9	0.4	0.00	0.00	0.00	3.3	NNE
12/22/2024 07:57:00	0.5	0.8	0.3	0.00	0.00	0.00	3.4	NNW
12/22/2024 07:58:00	0.5	0.6	0.1	0.00	0.00	0.00	3.3	NW
12/22/2024 07:59:00	0.5	0.5	0.0	0.00	0.00	0.00	3.4	NNW
12/22/2024 08:00:00	0.5	0.5	0.0	0.00	0.00	0.00	3.5	N
12/22/2024 08:01:00	0.6	0.5	0.0	0.00	0.00	0.00	3.6	NNE
12/22/2024 08:02:00	0.6	0.5	0.0	0.00	0.00	0.00	3.6	NE
12/22/2024 08:03:00	0.6	0.5	0.0	0.00	0.00	0.00	3.7	NNE
12/22/2024 08:04:00	0.6	0.5	0.0	0.00	0.00	0.00	3.5	NNE
12/22/2024 08:05:00	0.6	0.5	0.0	0.00	0.00	0.00	3.6	NNW
12/22/2024 08:06:00	0.7	0.6	0.0	0.00	0.00	0.00	3.7	N
12/22/2024 08:07:00	0.7	0.6	0.0	0.00	0.00	0.00	3.4	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 08:08:00	0.7	0.7	0.0	0.00	0.00	0.00	3.2	WNW
12/22/2024 08:09:00	0.8	0.7	0.0	0.00	0.00	0.00	3.2	NNE
12/22/2024 08:10:00	0.8	0.7	0.0	0.00	0.00	0.00	3.3	NNE
12/22/2024 08:11:00	0.8	0.7	0.0	0.00	0.00	0.00	3.3	NNW
12/22/2024 08:12:00	0.8	0.8	0.0	0.00	0.00	0.00	3.2	NNW
12/22/2024 08:13:00	0.8	0.9	0.2	0.00	0.00	0.00	3.1	NNW
12/22/2024 08:14:00	0.8	1.3	0.6	0.00	0.00	0.00	3.0	NW
12/22/2024 08:15:00	0.7	1.4	0.6	0.00	0.00	0.00	2.9	NW
12/22/2024 08:16:00	0.6	1.6	1.0	0.00	0.00	0.00	2.9	NNW
12/22/2024 08:17:00	0.7	2.0	1.4	0.00	0.00	0.00	3.0	N
12/22/2024 08:18:00	0.7	2.4	1.8	0.00	0.00	0.00	3.1	NNW
12/22/2024 08:19:00	0.6	3.1	2.4	0.00	0.00	0.00	3.3	NNW
12/22/2024 08:20:00	0.6	3.4	2.8	0.00	0.00	0.00	3.5	NNW
12/22/2024 08:21:00	0.6	4.2	3.6	0.00	0.00	0.00	3.7	NW
12/22/2024 08:22:00	0.6	4.5	3.9	0.00	0.00	0.00	3.7	WNW
12/22/2024 08:23:00	0.6	4.4	3.8	0.00	0.00	0.00	3.8	NNE
12/22/2024 08:24:00	0.5	4.4	3.8	0.00	0.00	0.00	4.0	NW
12/22/2024 08:25:00	0.5	5.1	4.6	0.00	0.00	0.00	4.1	NW
12/22/2024 08:26:00	2.4	5.1	2.7	0.00	0.00	0.00	4.1	NNE
12/22/2024 08:27:00	2.7	5.1	2.4	0.00	0.00	0.00	4.2	NE
12/22/2024 08:28:00	2.7	5.1	2.5	0.00	0.00	0.00	4.1	NNW
12/22/2024 08:29:00	2.7	4.8	2.2	0.00	0.00	0.00	4.2	NW
12/22/2024 08:30:00	2.7	5.0	2.3	0.00	0.00	0.00	4.2	NNW
12/22/2024 08:31:00	2.7	4.8	2.2	0.00	0.00	0.00	4.2	N
12/22/2024 08:32:00	2.7	4.7	2.0	0.00	0.00	0.00	4.3	N
12/22/2024 08:33:00	2.8	4.3	1.5	0.00	0.00	0.00	4.2	NNE
12/22/2024 08:34:00	2.8	3.7	0.9	0.00	0.00	0.00	4.1	NNW
12/22/2024 08:35:00	2.8	3.2	0.4	0.00	0.00	0.00	3.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 08:36:00	2.8	2.4	0.0	0.00	0.00	0.00	3.8	N
12/22/2024 08:37:00	2.9	2.2	0.0	0.00	0.00	0.00	3.9	NNW
12/22/2024 08:38:00	2.8	2.2	0.0	0.00	0.00	0.00	3.8	NNW
12/22/2024 08:39:00	2.8	2.3	0.0	0.00	0.00	0.00	3.7	NW
12/22/2024 08:40:00	2.8	1.8	0.0	0.00	0.00	0.00	3.6	N
12/22/2024 08:41:00	0.9	2.0	1.0	0.00	0.00	0.00	3.4	WNW
12/22/2024 08:42:00	0.8	2.0	1.2	0.00	0.00	0.00	3.2	NNE
12/22/2024 08:43:00	0.8	1.8	1.1	0.00	0.00	0.00	3.3	N
12/22/2024 08:44:00	0.8	1.8	1.0	0.00	0.00	0.00	3.4	NNE
12/22/2024 08:45:00	1.0	1.6	0.7	0.00	0.00	0.00	3.4	NNE
12/22/2024 08:46:00	1.0	1.4	0.4	0.00	0.00	0.00	3.4	NE
12/22/2024 08:47:00	1.1	1.2	0.1	0.00	0.00	0.00	3.3	NNE
12/22/2024 08:48:00	1.0	1.3	0.3	0.00	0.00	0.00	3.2	N
12/22/2024 08:49:00	1.0	1.2	0.2	0.00	0.00	0.00	3.4	NNE
12/22/2024 08:50:00	1.2	1.2	0.0	0.00	0.00	0.00	3.5	NNE
12/22/2024 08:51:00	1.5	1.2	0.0	0.00	0.00	0.00	3.5	NNE
12/22/2024 08:52:00	1.6	1.1	0.0	0.00	0.00	0.00	3.6	NNE
12/22/2024 08:53:00	1.6	1.1	0.0	0.00	0.00	0.00	3.5	N
12/22/2024 08:54:00	1.6	1.2	0.0	0.00	0.00	0.00	3.6	N
12/22/2024 08:55:00	1.9	1.0	0.0	0.00	0.00	0.00	3.8	NNE
12/22/2024 08:56:00	2.4	0.8	0.0	0.00	0.00	0.00	4.2	NE
12/22/2024 08:57:00	2.3	0.8	0.0	0.00	0.00	0.00	4.3	NNE
12/22/2024 08:58:00	2.3	0.7	0.0	0.00	0.00	0.00	4.3	NE
12/22/2024 08:59:00	2.2	0.7	0.0	0.00	0.00	0.00	4.1	NE
12/22/2024 09:00:00	2.1	0.7	0.0	0.00	0.00	0.00	4.0	NNE
12/22/2024 09:01:00	2.0	0.7	0.0	0.00	0.00	0.00	3.9	N
12/22/2024 09:02:00	1.9	0.7	0.0	0.00	0.00	0.00	3.7	NNW
12/22/2024 09:03:00	2.0	0.7	0.0	0.00	0.00	0.00	3.7	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 09:04:00	2.0	0.7	0.0	0.00	0.00	0.00	3.5	NE
12/22/2024 09:05:00	1.8	0.7	0.0	0.00	0.00	0.00	3.5	NNE
12/22/2024 09:06:00	1.4	0.7	0.0	0.00	0.00	0.00	3.4	NW
12/22/2024 09:07:00	1.3	0.7	0.0	0.00	0.00	0.00	3.4	NNW
12/22/2024 09:08:00	1.3	0.8	0.0	0.00	0.00	0.00	3.5	NNW
12/22/2024 09:09:00	1.3	0.7	0.0	0.00	0.00	0.00	3.6	N
12/22/2024 09:10:00	0.9	0.8	0.0	0.00	0.00	0.00	3.5	NNW
12/22/2024 09:11:00	0.6	0.8	0.2	0.00	0.00	0.00	3.4	NNE
12/22/2024 09:12:00	0.6	0.8	0.2	0.00	0.00	0.00	3.4	NNE
12/22/2024 09:13:00	0.6	0.8	0.2	0.00	0.00	0.00	3.5	N
12/22/2024 09:14:00	0.7	0.8	0.2	0.00	0.00	0.00	3.5	NE
12/22/2024 09:15:00	0.7	0.9	0.2	0.00	0.00	0.00	3.5	NE
12/22/2024 09:16:00	0.7	0.9	0.3	0.00	0.00	0.00	3.5	NE
12/22/2024 09:17:00	0.7	0.9	0.2	0.00	0.00	0.00	3.6	NE
12/22/2024 09:18:00	0.6	0.9	0.3	0.00	0.00	0.00	3.7	NNE
12/22/2024 09:19:00	0.6	1.1	0.5	0.00	0.00	0.00	3.7	NW
12/22/2024 09:20:00	0.6	1.6	1.0	0.00	0.00	0.00	3.7	NNW
12/22/2024 09:21:00	0.8	1.6	0.8	0.00	0.00	0.00	3.8	NE
12/22/2024 09:22:00	0.8	1.6	0.8	0.00	0.00	0.00	3.4	WSW
12/22/2024 09:23:00	0.8	1.5	0.7	0.00	0.00	0.00	3.2	NW
12/22/2024 09:24:00	0.8	1.6	0.8	0.00	0.00	0.00	3.1	NW
12/22/2024 09:25:00	1.0	1.6	0.6	0.00	0.00	0.00	3.1	NNE
12/22/2024 09:26:00	0.9	1.9	0.9	0.00	0.00	0.00	3.2	N
12/22/2024 09:27:00	1.4	1.8	0.4	0.00	0.00	0.00	3.0	NE
12/22/2024 09:28:00	1.5	1.8	0.3	0.00	0.00	0.00	3.0	NNE
12/22/2024 09:29:00	1.4	2.0	0.6	0.00	0.00	0.00	3.2	N
12/22/2024 09:30:00	1.7	2.0	0.3	0.00	0.00	0.00	3.1	NNE
12/22/2024 09:31:00	1.7	1.9	0.3	0.00	0.00	0.00	3.1	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 09:32:00	1.7	2.0	0.3	0.00	0.00	0.00	2.9	NW
12/22/2024 09:33:00	2.1	1.9	0.0	0.00	0.00	0.00	2.8	NE
12/22/2024 09:34:00	2.3	1.7	0.0	0.00	0.00	0.00	2.8	NNE
12/22/2024 09:35:00	2.4	1.2	0.0	0.00	0.00	0.00	2.8	NE
12/22/2024 09:36:00	2.5	1.2	0.0	0.00	0.00	0.00	2.6	NE
12/22/2024 09:37:00	2.7	1.1	0.0	0.00	0.00	0.00	3.1	NE
12/22/2024 09:38:00	2.9	1.1	0.0	0.00	0.00	0.00	3.3	NE
12/22/2024 09:39:00	3.1	0.9	0.0	0.00	0.00	0.00	3.6	NE
12/22/2024 09:40:00	2.9	1.1	0.0	0.00	0.00	0.00	3.6	NNW
12/22/2024 09:41:00	2.9	0.8	0.0	0.00	0.00	0.00	3.7	NNE
12/22/2024 09:42:00	2.3	1.6	0.0	0.00	0.00	0.00	3.9	NW
12/22/2024 09:43:00	2.1	2.5	0.4	0.00	0.00	0.00	3.9	NNW
12/22/2024 09:44:00	2.2	2.3	0.1	0.00	0.00	0.00	3.8	NW
12/22/2024 09:45:00	1.9	2.3	0.4	0.00	0.00	0.00	3.8	NW
12/22/2024 09:46:00	2.0	2.3	0.3	0.00	0.00	0.00	3.9	NNE
12/22/2024 09:47:00	2.0	2.2	0.1	0.00	0.00	0.00	4.0	NNE
12/22/2024 09:48:00	1.8	2.2	0.4	0.00	0.00	0.00	4.1	NNE
12/22/2024 09:49:00	1.6	2.4	0.7	0.00	0.00	0.00	4.1	NNW
12/22/2024 09:50:00	1.5	2.4	0.9	0.00	0.00	0.00	4.2	NNW
12/22/2024 09:51:00	1.2	2.5	1.2	0.00	0.00	0.00	4.2	NNW
12/22/2024 09:52:00	1.0	2.6	1.6	0.00	0.00	0.00	4.1	NNW
12/22/2024 09:53:00	0.9	2.6	1.7	0.00	0.00	0.00	4.1	NNE
12/22/2024 09:54:00	0.8	2.6	1.8	0.00	0.00	0.00	4.0	NE
12/22/2024 09:55:00	0.9	2.4	1.5	0.00	0.00	0.00	3.9	NNE
12/22/2024 09:56:00	1.0	2.4	1.4	0.00	0.00	0.00	3.8	NNE
12/22/2024 09:57:00	1.0	1.8	0.8	0.00	0.00	0.00	3.7	N
12/22/2024 09:58:00	1.0	1.1	0.0	0.00	0.00	0.00	3.5	NW
12/22/2024 09:59:00	1.0	1.2	0.1	0.00	0.00	0.00	3.3	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 10:00:00	1.1	1.7	0.6	0.00	0.00	0.00	3.5	NNW
12/22/2024 10:01:00	0.9	2.3	1.4	0.00	0.00	0.00	3.5	NNW
12/22/2024 10:02:00	0.9	2.7	1.8	0.00	0.00	0.00	3.6	NNW
12/22/2024 10:03:00	0.7	3.1	2.4	0.00	0.00	0.00	3.5	NNW
12/22/2024 10:04:00	0.7	3.2	2.5	0.00	0.00	0.00	3.4	W
12/22/2024 10:05:00	0.7	3.8	3.1	0.00	0.00	0.00	3.3	NW
12/22/2024 10:06:00	0.7	3.9	3.2	0.00	0.00	0.00	3.2	W
12/22/2024 10:07:00	0.7	4.0	3.3	0.00	0.00	0.00	3.2	NW
12/22/2024 10:08:00	0.7	4.1	3.5	0.00	0.00	0.00	3.4	NW
12/22/2024 10:09:00	0.6	4.2	3.6	0.00	0.00	0.00	3.6	WNW
12/22/2024 10:10:00	0.5	4.4	3.9	0.00	0.00	0.00	3.7	NNW
12/22/2024 10:11:00	0.4	4.4	4.0	0.00	0.00	0.00	3.8	NW
12/22/2024 10:12:00	0.4	4.9	4.5	0.00	0.00	0.00	4.0	NNW
12/22/2024 10:13:00	0.4	5.1	4.8	0.00	0.00	0.00	4.0	NW
12/22/2024 10:14:00	0.3	5.1	4.7	0.00	0.00	0.00	3.9	WNW
12/22/2024 10:15:00	0.3	4.6	4.3	0.00	0.00	0.00	3.9	NW
12/22/2024 10:16:00	0.3	4.4	4.1	0.00	0.00	0.00	3.7	NNW
12/22/2024 10:17:00	0.3	4.9	4.5	0.00	0.00	0.00	3.8	NNW
12/22/2024 10:18:00	0.3	5.4	5.0	0.00	0.00	0.00	3.9	W
12/22/2024 10:19:00	0.3	6.0	5.6	0.00	0.01	0.01	4.0	NW
12/22/2024 10:20:00	0.3	6.2	5.9	0.00	0.01	0.01	3.9	NW
12/22/2024 10:21:00	0.3	6.8	6.6	0.00	0.01	0.01	4.0	WNW
12/22/2024 10:22:00	0.3	6.9	6.6	0.00	0.01	0.01	4.0	NW
12/22/2024 10:23:00	0.2	7.2	7.0	0.00	0.01	0.01	3.9	NNW
12/22/2024 10:24:00	0.3	7.9	7.6	0.00	0.01	0.01	3.8	NNW
12/22/2024 10:25:00	0.4	8.0	7.5	0.00	0.01	0.01	3.7	N
12/22/2024 10:26:00	0.5	8.1	7.6	0.00	0.01	0.01	3.7	NNW
12/22/2024 10:27:00	0.6	7.7	7.1	0.00	0.01	0.01	3.6	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 10:28:00	0.9	7.4	6.5	0.00	0.01	0.01	3.6	NNE
12/22/2024 10:29:00	1.0	7.7	6.7	0.00	0.01	0.01	3.6	NW
12/22/2024 10:30:00	1.1	7.9	6.8	0.00	0.00	0.00	3.6	WNW
12/22/2024 10:31:00	1.1	7.7	6.5	0.00	0.00	0.00	3.7	NW
12/22/2024 10:32:00	1.2	7.2	5.9	0.00	0.00	0.00	3.6	NNW
12/22/2024 10:33:00	1.4	6.4	5.0	0.00	0.00	0.00	3.4	NNE
12/22/2024 10:34:00	1.6	5.7	4.2	0.00	0.00	0.00	3.5	NNW
12/22/2024 10:35:00	1.7	5.0	3.2	0.00	0.00	0.00	3.3	NE
12/22/2024 10:36:00	1.9	4.2	2.3	0.00	0.00	0.00	3.2	NNE
12/22/2024 10:37:00	4.0	4.0	0.1	0.00	0.00	0.00	3.3	NNE
12/22/2024 10:38:00	4.5	3.6	0.0	0.00	0.00	0.00	3.2	NNE
12/22/2024 10:39:00	4.5	3.3	0.0	0.00	0.00	0.00	3.2	NNW
12/22/2024 10:40:00	4.5	3.6	0.0	0.00	0.00	0.00	3.2	N
12/22/2024 10:41:00	4.5	3.5	0.0	0.00	0.00	0.00	3.2	NNW
12/22/2024 10:42:00	4.7	3.4	0.0	0.00	0.00	0.00	3.2	NNE
12/22/2024 10:43:00	4.6	3.4	0.0	0.00	0.00	0.00	3.2	NE
12/22/2024 10:44:00	4.6	3.2	0.0	0.00	0.00	0.00	3.3	N
12/22/2024 10:45:00	4.6	3.4	0.0	0.00	0.00	0.00	3.3	NW
12/22/2024 10:46:00	4.6	3.9	0.0	0.00	0.00	0.00	3.4	NNW
12/22/2024 10:47:00	4.7	3.6	0.0	0.00	0.00	0.00	3.5	NNE
12/22/2024 10:48:00	4.6	3.8	0.0	0.00	0.00	0.00	3.6	NNW
12/22/2024 10:49:00	4.6	4.0	0.0	0.00	0.00	0.00	3.6	NNW
12/22/2024 10:50:00	4.5	4.3	0.0	0.00	0.00	0.00	3.5	WNW
12/22/2024 10:51:00	4.4	5.7	1.3	0.00	0.00	0.00	3.5	NW
12/22/2024 10:52:00	2.4	7.5	5.0	0.00	0.00	0.00	3.5	NNW
12/22/2024 10:53:00	2.0	7.8	5.9	0.00	0.00	0.00	3.4	NNW
12/22/2024 10:54:00	2.0	8.0	6.0	0.00	0.00	0.00	3.4	WNW
12/22/2024 10:55:00	2.0	7.9	5.9	0.00	0.00	0.00	3.2	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 10:56:00	2.0	9.7	7.7	0.00	0.00	0.00	3.2	N
12/22/2024 10:57:00	1.7	10.6	8.8	0.00	0.00	0.00	3.2	NW
12/22/2024 10:58:00	1.7	11.9	10.2	0.00	0.00	0.00	3.4	NW
12/22/2024 10:59:00	1.7	12.1	10.4	0.00	0.00	0.00	3.4	N
12/22/2024 11:00:00	1.8	11.8	10.0	0.00	0.00	0.00	3.2	NE
12/22/2024 11:01:00	1.8	11.2	9.4	0.00	0.00	0.00	3.2	NNW
12/22/2024 11:02:00	1.7	11.3	9.6	0.00	0.00	0.00	3.1	NW
12/22/2024 11:03:00	1.7	11.1	9.4	0.00	0.00	0.00	3.0	N
12/22/2024 11:04:00	1.7	10.9	9.2	0.00	0.00	0.00	2.9	NNE
12/22/2024 11:05:00	1.8	10.6	8.8	0.00	0.00	0.00	2.8	NE
12/22/2024 11:06:00	1.8	9.3	7.5	0.00	0.00	0.00	2.8	NNW
12/22/2024 11:07:00	1.8	7.5	5.8	0.00	0.00	0.00	2.5	WSW
12/22/2024 11:08:00	1.8	7.3	5.5	0.00	0.00	0.00	2.5	W
12/22/2024 11:09:00	1.8	6.8	5.1	0.00	0.00	0.00	2.4	W
12/22/2024 11:10:00	1.8	6.6	4.9	0.00	0.00	0.00	2.6	NW
12/22/2024 11:11:00	1.8	5.1	3.3	0.00	0.00	0.00	2.7	NNW
12/22/2024 11:12:00	1.8	4.2	2.4	0.00	0.00	0.00	2.7	NNW
12/22/2024 11:13:00	1.7	3.0	1.2	0.00	0.00	0.00	2.6	NW
12/22/2024 11:14:00	1.8	2.7	1.0	0.00	0.00	0.00	2.6	WNW
12/22/2024 11:15:00	1.6	2.8	1.1	0.00	0.00	0.00	2.7	NNW
12/22/2024 11:16:00	1.6	2.8	1.1	0.00	0.00	0.00	2.6	N
12/22/2024 11:17:00	1.7	2.7	1.1	0.00	0.00	0.00	2.7	NNW
12/22/2024 11:18:00	1.7	2.8	1.1	0.00	0.00	0.00	2.7	WSW
12/22/2024 11:19:00	1.7	3.0	1.4	0.00	0.00	0.00	2.9	NNW
12/22/2024 11:20:00	1.6	3.1	1.5	0.00	0.00	0.00	3.2	NW
12/22/2024 11:21:00	1.7	3.0	1.3	0.00	0.00	0.00	3.1	NNE
12/22/2024 11:22:00	1.9	3.0	1.1	0.00	0.00	0.00	3.0	NNE
12/22/2024 11:23:00	1.9	2.9	1.0	0.00	0.00	0.00	2.9	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/22/2024 11:24:00	2.0	2.9	1.0	0.00	0.00	0.00	2.9	WNW
12/22/2024 11:25:00	2.0	2.9	1.0	0.00	0.00	0.00	2.9	WNW
12/22/2024 11:26:00	2.0	2.7	0.7	0.00	0.00	0.00	2.9	NW
12/22/2024 11:27:00	2.0	2.6	0.7	0.00	0.00	0.00	2.9	W
12/22/2024 11:28:00	2.0	2.7	0.7	0.00	0.00	0.00	3.0	WNW
12/22/2024 11:29:00	2.0	3.0	1.0	0.00	0.00	0.00	3.1	NW
12/22/2024 11:30:00	2.0	3.1	1.1	0.00	0.00	0.00	3.2	NW
12/22/2024 11:31:00	2.0	3.1	1.2	0.00	0.00	0.00	3.3	W
12/22/2024 11:32:00	2.0	3.2	1.2	0.00	0.00	0.00	3.3	W
12/22/2024 11:33:00	1.9	3.0	1.2	0.00	0.00	0.00	3.3	N
12/22/2024 11:34:00	1.9	2.9	1.0	0.00	0.00	0.00	3.4	NNW
12/22/2024 11:35:00	1.9	2.9	1.0	0.00	0.00	0.00	3.4	NW
12/22/2024 11:36:00	1.8	2.9	1.2	0.00	0.00	0.00	3.4	NW
12/22/2024 11:37:00	1.6	3.0	1.4	0.00	0.00	0.00	3.5	NNW
12/22/2024 11:38:00	1.6	2.9	1.3	0.00	0.00	0.00	3.5	N
12/22/2024 11:39:00	1.6	2.9	1.3	0.00	0.00	0.00	3.5	N
12/22/2024 11:40:00	1.7	2.8	1.2	0.00	0.00	0.00	3.3	NNE
12/22/2024 11:41:00	1.7	2.8	1.1	0.00	0.00	0.00	3.2	NNE
12/22/2024 11:42:00	1.8	2.7	0.9	0.00	0.00	0.00	3.1	NE
12/22/2024 11:43:00	1.8	2.6	0.9	0.00	0.00	0.00	3.1	N
12/22/2024 11:44:00							3.0	N

DAILY FIELD REPORT 175

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	**X**
TEMP.	< 30		32-50	**X**	50-70		70-85		>85	

NYSDEC BCP Site No.:	C241173 & C241174	**Date:**	December 23, 2024
Project Name:	Plaxall Anable Basin Facility – Bulkhead Stabilization	**Time:**	6:00 am to 1:30 pm

Equipment:
Komatsu PC138USLC Excavator
Komatsu PC228USLC Excavator
Kubota SSv75 Forklift
Yanmar C50R-5ATV
JCB 525-60 Agri

Present At Site:
Langan: Carli Piretra
Trevcon Construction (Trevcon): Jaime Lijo
McLaren Engineering Sean Dirschel

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was onsite to document implementation of the New York State Department of Environmental Conservation (NYSDEC)–approved Soil/Materials Management Plan (SMMP) dated June 16, 2023 for Brownfield Cleanup Program (BCP) Site Nos. C241173 (ABC Block 25) and C241174 (ABC Block 26) during the stabilization and reinforcement of waterfront structures at the Plaxall Anable Basin Facility. Site Maps 1 and 2 present the north and south parts of the Anable Basin, which together comprise the work area subject to the SMMP.

Work Activities Performed:

- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cell (WC-Structure 4 [0-10 feet bgs] and WC-Structure 5 [0-10 feet bgs]) using tri-axle trucks with valid Part 364 permits for off-site disposal. See material tracking section for details.
- Trevcon exported concrete using a tri-axle truck with a valid Part 364 permit for off-site disposal. See material tracking section for details.
- Trevcon exported 16 drums of spent oil absorbent booms to Clean Water of New York in Staten Island, NY.

Material Tracking:

- Trevcon exported two truckloads of non-hazardous fill/soil from waste characterization cells (WC-Structure 4 [0-10 feet bgs] and WC- Structure 5 [0-10 feet bgs]) to Bayshore Soil Management (BSM) in Keasbey, NJ.
- Trevcon exported 1 truckload of concrete to Allocco Recycling in Brooklyn, NY.
- Trevcon exported 16 drums of spent oil absorbent booms to Clean Water of New York in Staten Island, NY.
- No material was imported to the site.

Soil/Fill Export Summary			
Facility	**Exported**	**Today**	**Total**
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	**No. Loads**	2	**90**
	Quantity (CY)	40	**1780**

Material Import Summary				
Facility	**NYSDEC Approved Quantity (CY)**	**Imported**	**Today**	**Total**
Tilcon New York Inc. Wharton, NJ 07054 ASTM No. 57 Stone	200	**No. Loads**	0	**8**
		Quantity (CY)	0	**160**
Stavola Construction Materials, Inc Bridgewater, NJ 3- to 5-Inch Rip Rap	1,000	**No. Loads**	0	**34**
		Quantity (CY)	0	**670**
Stavola Construction Materials, Inc Bridgewater, NJ 2- to 3-Foot Jetty Stone	400	**No. Loads**	0	**2**
		Quantity (CY)	0	**40**
Stavola Construction Materials, Inc Bridgewater, NJ 12- to 24-Inch Revetment Stone	1,000	**No. Loads**	0	**41**
		Quantity (CY)	0	**860**
Impact Environmental Jersey City, NJ 0.5- Inch Recycled Aggregate	400	**No. Loads**	0	**12**
		Quantity (CY)	0	**240**

Samples Collected:

- No samples were taken today.

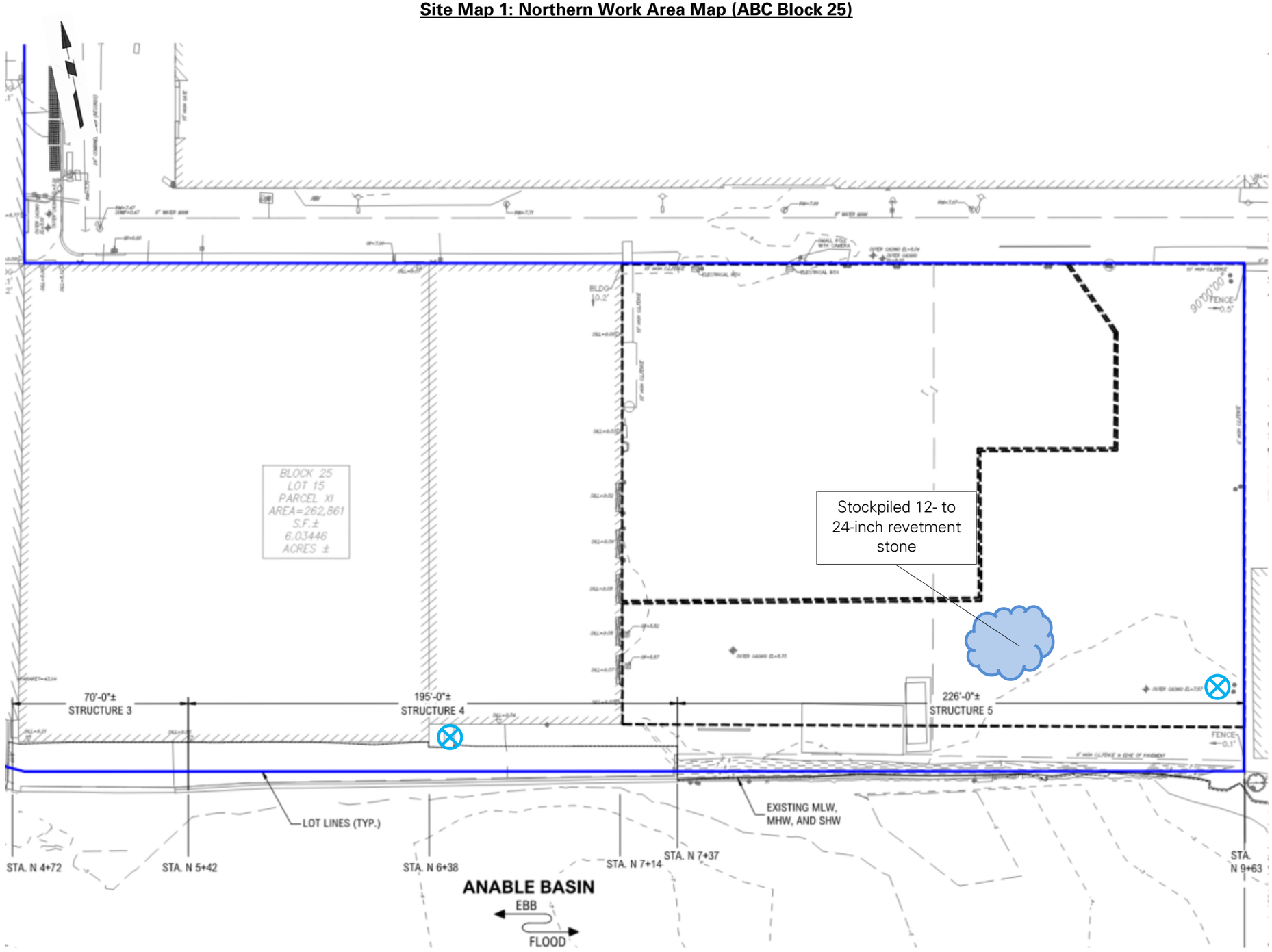
Air Monitoring:

- Langan conducted real-time air monitoring for VOC and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m^3 for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 10 µg/m^3 or 5 ppm, respectively, on this day.
- See attached CAMP summary report.

Planned Activities:

- Trevcon will continue to construct waterfront structures at ABC Block 25.

Site Map 1: Northern Work Area Map (ABC Block 25)

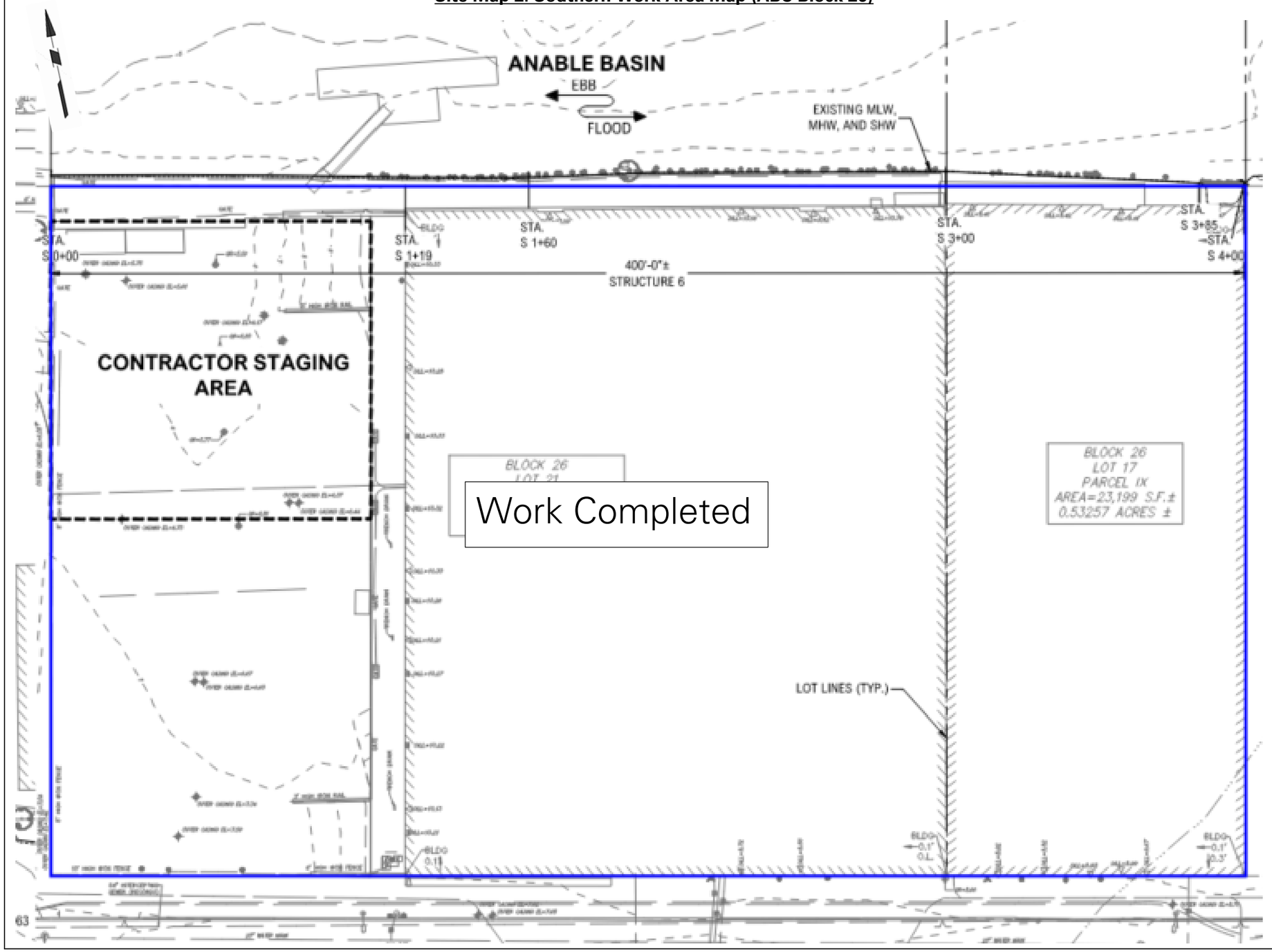


Legend

- **Approximate BCP Site Boundary**
- **Approximate Location of Air Monitoring Station**
- **General Area of Work**
- **Approximate import stockpile location**

File Name: 2024.12.23 - Anable Basin Bulkhead Stabilization - Day 175

Site Map 2: Southern Work Area Map (ABC Block 26)



LEGEND

- **Approximate Site Boundary**
- **General Area of Work**

File Name: 2024.12.23 - Anable Basin Bulkhead Stabilization - Day 175

Photo Log

Photo 1: Trevcon exporting spent oil absorbent booms in the northeastern part of Block 25 (facing east).	
Photo 2: Trevcon exporting soil/fill using a tri-axel truck with a valid part 364 permit in the northeastern part of ABC Block 25 (facing southeast).	

File Name: 2024.12.23 - Anable Basin Bulkhead Stabilization - Day 175

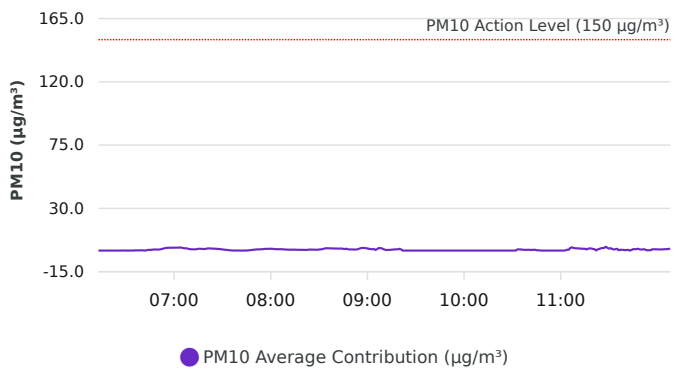
LANGAN	Air Monitoring Report	170340201 - 5-26 45th Avenue	
		Report Period	
		From:	12/23/2024 04:00
		To:	12/23/2024 18:00
		PM10 Action Level:	150 µg/m³
		VOC Action Level:	5 ppm

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/23/2024	0.3-4.7	N

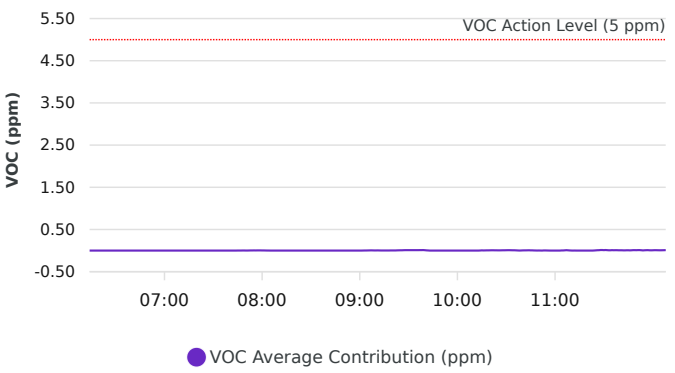
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/23/2024	0.0	06:13	0.00	06:14
Max Contribution (15 min avg.) - 12/23/2024	2.7	11:28	0.01	11:28



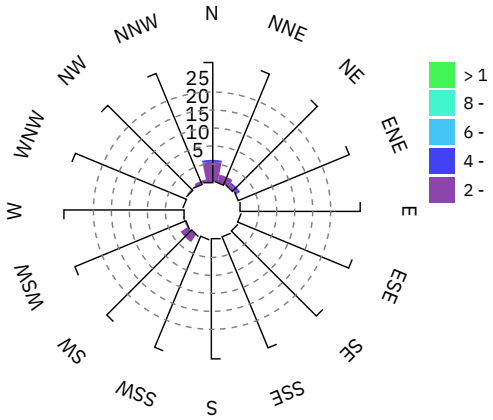
PM10 Average Contribution (µg/m³)



VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 06:12:00							0.9	NE
12/23/2024 06:13:00	6.3	3.3	0.0				0.9	NE
12/23/2024 06:14:00	6.1	3.5	0.0	0.05	0.00	0.00	1.0	NE
12/23/2024 06:15:00	6.0	4.1	0.0	0.04	0.00	0.00	1.2	NE
12/23/2024 06:16:00	6.0	4.5	0.0	0.04	0.00	0.00	1.2	NE
12/23/2024 06:17:00	5.9	4.7	0.0	0.04	0.00	0.00	1.2	NE
12/23/2024 06:18:00	5.9	4.8	0.0	0.03	0.00	0.00	1.2	NE
12/23/2024 06:19:00	5.6	4.9	0.0	0.03	0.00	0.00	1.2	NNE
12/23/2024 06:20:00	5.4	4.9	0.0	0.03	0.00	0.00	1.2	NE
12/23/2024 06:21:00	5.1	4.6	0.0	0.03	0.00	0.00	1.2	NNE
12/23/2024 06:22:00	4.9	4.4	0.0	0.02	0.00	0.00	1.2	NNE
12/23/2024 06:23:00	4.8	4.2	0.0	0.02	0.00	0.00	1.2	NE
12/23/2024 06:24:00	4.7	4.2	0.0	0.02	0.00	0.00	1.2	NE
12/23/2024 06:25:00	4.6	4.2	0.0	0.02	0.00	0.00	1.1	S
12/23/2024 06:26:00	4.4	4.2	0.0	0.02	0.00	0.00	1.0	ENE
12/23/2024 06:27:00	4.3	4.3	0.0	0.02	0.00	0.00	1.0	NE
12/23/2024 06:28:00	4.2	4.2	0.1	0.02	0.00	0.00	1.1	NNE
12/23/2024 06:29:00	4.2	4.2	0.0	0.02	0.00	0.00	1.1	NNE
12/23/2024 06:30:00	4.1	4.0	0.0	0.01	0.00	0.00	1.0	NNE
12/23/2024 06:31:00	3.9	3.9	0.0	0.01	0.00	0.00	1.0	NE
12/23/2024 06:32:00	3.7	3.7	0.0	0.01	0.00	0.00	1.0	NE
12/23/2024 06:33:00	3.5	3.6	0.1	0.01	0.00	0.00	1.0	NE
12/23/2024 06:34:00	3.5	3.5	0.0	0.01	0.00	0.00	0.9	SE
12/23/2024 06:35:00	3.4	3.4	0.0	0.01	0.01	0.00	0.9	NNE
12/23/2024 06:36:00	3.3	3.5	0.2	0.01	0.01	0.00	0.8	NE
12/23/2024 06:37:00	3.3	3.4	0.1	0.01	0.01	0.00	0.8	NNW
12/23/2024 06:38:00	3.3	3.4	0.1	0.01	0.01	0.00	0.8	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 06:39:00	3.2	3.4	0.2	0.01	0.01	0.00	0.7	E
12/23/2024 06:40:00	3.2	3.3	0.2	0.01	0.01	0.00	0.8	NNE
12/23/2024 06:41:00	3.1	3.2	0.1	0.01	0.00	0.00	0.9	NNE
12/23/2024 06:42:00	3.1	3.1	0.0	0.01	0.00	0.00	0.8	NNE
12/23/2024 06:43:00	2.9	3.1	0.2	0.01	0.00	0.00	0.8	NE
12/23/2024 06:44:00	2.6	3.1	0.5	0.01	0.00	0.00	0.8	NNE
12/23/2024 06:45:00	2.6	3.1	0.5	0.01	0.00	0.00	0.7	N
12/23/2024 06:46:00	2.5	3.1	0.6	0.01	0.00	0.00	0.8	NNE
12/23/2024 06:47:00	2.4	3.1	0.7	0.01	0.00	0.00	0.7	NNE
12/23/2024 06:48:00	2.3	3.0	0.8	0.01	0.00	0.00	0.7	NE
12/23/2024 06:49:00	2.2	2.9	0.8	0.01	0.00	0.00	0.8	NE
12/23/2024 06:50:00	2.1	2.8	0.7	0.01	0.00	0.00	0.7	NNE
12/23/2024 06:51:00	2.1	2.9	0.8	0.01	0.00	0.00	0.7	ENE
12/23/2024 06:52:00	1.9	2.9	1.0	0.01	0.00	0.00	0.8	NE
12/23/2024 06:53:00	1.7	3.0	1.3	0.01	0.00	0.00	0.8	NE
12/23/2024 06:54:00	1.6	3.2	1.6	0.01	0.00	0.00	0.9	NE
12/23/2024 06:55:00	1.5	3.3	1.9	0.01	0.00	0.00	0.9	NE
12/23/2024 06:56:00	1.4	3.4	2.0	0.01	0.00	0.00	0.9	NE
12/23/2024 06:57:00	1.3	3.4	2.0	0.01	0.00	0.00	0.9	NE
12/23/2024 06:58:00	1.3	3.3	2.0	0.01	0.00	0.00	0.9	ESE
12/23/2024 06:59:00	1.3	3.3	2.0	0.01	0.00	0.00	0.9	NE
12/23/2024 07:00:00	1.1	3.2	2.1	0.01	0.00	0.00	0.8	WSW
12/23/2024 07:01:00	1.1	3.2	2.1	0.01	0.00	0.00	0.8	NNE
12/23/2024 07:02:00	1.1	3.2	2.1	0.01	0.00	0.00	0.8	ENE
12/23/2024 07:03:00	1.1	3.2	2.1	0.01	0.01	0.00	0.7	NNE
12/23/2024 07:04:00	1.0	3.2	2.2	0.02	0.01	0.00	0.7	NNE
12/23/2024 07:05:00	1.1	3.1	2.0	0.01	0.01	0.00	0.7	N
12/23/2024 07:06:00	1.2	2.9	1.7	0.01	0.01	0.00	0.7	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 07:07:00	1.2	2.9	1.6	0.01	0.01	0.00	0.6	NE
12/23/2024 07:08:00	1.3	2.8	1.5	0.01	0.01	0.00	0.6	NE
12/23/2024 07:09:00	1.3	2.5	1.2	0.01	0.01	0.00	0.5	ESE
12/23/2024 07:10:00	1.3	2.3	1.0	0.01	0.01	0.00	0.5	NE
12/23/2024 07:11:00	1.3	2.2	0.9	0.01	0.01	0.00	0.5	NE
12/23/2024 07:12:00	1.3	2.2	0.9	0.01	0.01	0.00	0.5	NE
12/23/2024 07:13:00	1.3	2.2	0.9	0.01	0.01	0.00	0.6	NE
12/23/2024 07:14:00	1.2	2.2	1.0	0.01	0.01	0.00	0.6	ENE
12/23/2024 07:15:00	1.1	2.4	1.3	0.01	0.01	0.00	0.7	NE
12/23/2024 07:16:00	1.1	2.4	1.3	0.01	0.01	0.00	0.7	NE
12/23/2024 07:17:00	1.1	2.3	1.2	0.01	0.01	0.00	0.8	NE
12/23/2024 07:18:00	1.1	2.3	1.2	0.01	0.01	0.00	0.9	NE
12/23/2024 07:19:00	1.1	2.2	1.1	0.01	0.01	0.00	0.9	NE
12/23/2024 07:20:00	1.0	2.3	1.3	0.01	0.01	0.00	1.0	NE
12/23/2024 07:21:00	0.9	2.4	1.5	0.01	0.01	0.00	1.1	ENE
12/23/2024 07:22:00	0.9	2.4	1.5	0.01	0.01	0.00	1.1	NNE
12/23/2024 07:23:00	0.9	2.4	1.5	0.01	0.01	0.00	1.1	NE
12/23/2024 07:24:00	1.0	2.4	1.4	0.01	0.01	0.00	1.1	NE
12/23/2024 07:25:00	1.0	2.4	1.4	0.01	0.01	0.00	1.1	NE
12/23/2024 07:26:00	1.1	2.3	1.3	0.01	0.01	0.00	1.1	NNE
12/23/2024 07:27:00	1.1	2.3	1.2	0.01	0.01	0.00	1.0	NNE
12/23/2024 07:28:00	1.1	2.2	1.1	0.01	0.01	0.00	1.0	NE
12/23/2024 07:29:00	1.1	2.1	1.0	0.01	0.01	0.00	1.0	NE
12/23/2024 07:30:00	1.1	1.9	0.8	0.01	0.01	0.00	1.0	NNE
12/23/2024 07:31:00	1.2	1.8	0.7	0.01	0.01	0.00	0.9	W
12/23/2024 07:32:00	1.2	1.8	0.6	0.01	0.01	0.00	0.7	W
12/23/2024 07:33:00	1.2	1.7	0.4	0.01	0.01	0.00	0.6	S
12/23/2024 07:34:00	1.3	1.6	0.3	0.01	0.01	0.00	0.5	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 07:35:00	1.3	1.5	0.1	0.01	0.01	0.00	0.4	WSW
12/23/2024 07:36:00	1.4	1.5	0.1	0.01	0.01	0.00	0.4	NW
12/23/2024 07:37:00	1.4	1.4	0.0	0.01	0.01	0.00	0.4	NE
12/23/2024 07:38:00	1.4	1.4	0.0	0.01	0.01	0.00	0.4	NE
12/23/2024 07:39:00	1.4	1.4	0.1	0.01	0.01	0.00	0.4	NE
12/23/2024 07:40:00	1.3	1.4	0.1	0.01	0.01	0.00	0.4	NNE
12/23/2024 07:41:00	1.4	1.4	0.0	0.01	0.01	0.00	0.3	SW
12/23/2024 07:42:00	1.4	1.4	0.0	0.01	0.01	0.00	0.3	NE
12/23/2024 07:43:00	1.4	1.4	0.0	0.01	0.01	0.00	0.3	NE
12/23/2024 07:44:00	1.4	1.4	0.0	0.01	0.01	0.00	0.4	NNE
12/23/2024 07:45:00	1.4	1.4	0.1	0.01	0.01	0.00	0.4	NE
12/23/2024 07:46:00	1.3	1.5	0.1	0.01	0.01	0.00	0.5	NE
12/23/2024 07:47:00	1.3	1.5	0.3	0.01	0.01	0.00	0.6	NNE
12/23/2024 07:48:00	1.2	1.6	0.4	0.01	0.01	0.00	0.7	NNE
12/23/2024 07:49:00	1.1	1.7	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 07:50:00	1.1	1.8	0.7	0.01	0.01	0.00	0.9	NE
12/23/2024 07:51:00	1.0	1.8	0.8	0.01	0.01	0.00	1.0	NE
12/23/2024 07:52:00	1.0	1.8	0.8	0.01	0.01	0.00	0.9	NNE
12/23/2024 07:53:00	1.0	1.9	0.9	0.01	0.01	0.00	0.9	ENE
12/23/2024 07:54:00	1.0	1.9	0.9	0.01	0.01	0.00	1.0	NE
12/23/2024 07:55:00	1.0	2.0	1.0	0.01	0.01	0.00	1.0	NE
12/23/2024 07:56:00	0.9	2.1	1.2	0.01	0.01	0.00	1.1	NE
12/23/2024 07:57:00	0.9	2.1	1.2	0.01	0.01	0.00	1.1	NE
12/23/2024 07:58:00	0.9	2.1	1.3	0.01	0.01	0.00	1.1	NE
12/23/2024 07:59:00	0.9	2.2	1.3	0.01	0.01	0.00	1.1	NNE
12/23/2024 08:00:00	0.9	2.2	1.3	0.01	0.01	0.00	1.1	NE
12/23/2024 08:01:00	0.9	2.2	1.3	0.01	0.01	0.00	1.1	NE
12/23/2024 08:02:00	1.1	2.2	1.1	0.01	0.01	0.00	1.1	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 08:03:00	1.2	2.2	1.0	0.01	0.01	0.00	1.1	NE
12/23/2024 08:04:00	1.3	2.3	1.0	0.01	0.01	0.00	1.0	NNE
12/23/2024 08:05:00	1.3	2.3	1.0	0.01	0.01	0.00	0.9	ENE
12/23/2024 08:06:00	1.4	2.3	0.9	0.01	0.01	0.00	0.9	NE
12/23/2024 08:07:00	1.4	2.4	1.0	0.01	0.01	0.00	0.9	NNE
12/23/2024 08:08:00	1.5	2.3	0.8	0.01	0.01	0.00	0.9	N
12/23/2024 08:09:00	1.6	2.3	0.8	0.01	0.01	0.00	0.9	NE
12/23/2024 08:10:00	1.6	2.3	0.7	0.01	0.01	0.00	0.8	NNE
12/23/2024 08:11:00	1.7	2.3	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:12:00	1.7	2.3	0.7	0.01	0.01	0.00	0.8	ENE
12/23/2024 08:13:00	1.7	2.4	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:14:00	1.7	2.4	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:15:00	1.7	2.4	0.7	0.01	0.01	0.00	0.8	NNE
12/23/2024 08:16:00	1.8	2.4	0.6	0.01	0.01	0.00	0.7	ENE
12/23/2024 08:17:00	1.9	2.4	0.5	0.01	0.01	0.00	0.7	NE
12/23/2024 08:18:00	1.8	2.4	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:19:00	1.8	2.4	0.5	0.01	0.01	0.00	0.8	NE
12/23/2024 08:20:00	1.8	2.4	0.5	0.01	0.01	0.00	0.9	NE
12/23/2024 08:21:00	1.9	2.4	0.5	0.01	0.01	0.00	0.9	NE
12/23/2024 08:22:00	1.9	2.3	0.4	0.01	0.01	0.00	0.9	ENE
12/23/2024 08:23:00	1.8	2.4	0.6	0.01	0.01	0.00	0.9	E
12/23/2024 08:24:00	1.8	2.4	0.7	0.01	0.01	0.00	0.9	NNE
12/23/2024 08:25:00	1.8	2.5	0.7	0.01	0.01	0.00	0.8	NNE
12/23/2024 08:26:00	1.8	2.5	0.7	0.01	0.01	0.00	0.8	N
12/23/2024 08:27:00	1.8	2.4	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:28:00	1.8	2.4	0.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:29:00	1.8	2.4	0.6	0.01	0.01	0.00	0.8	ESE
12/23/2024 08:30:00	1.8	2.6	0.8	0.01	0.01	0.00	0.7	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 08:31:00	2.0	3.0	0.9	0.01	0.01	0.00	0.7	ENE
12/23/2024 08:32:00	2.1	3.1	0.9	0.01	0.01	0.00	0.7	E
12/23/2024 08:33:00	2.1	3.5	1.3	0.01	0.01	0.00	0.7	NE
12/23/2024 08:34:00	2.1	3.7	1.6	0.01	0.01	0.00	0.7	NE
12/23/2024 08:35:00	2.1	3.7	1.6	0.01	0.01	0.00	0.7	NE
12/23/2024 08:36:00	2.1	3.7	1.6	0.01	0.01	0.00	0.7	NE
12/23/2024 08:37:00	2.1	3.8	1.6	0.01	0.01	0.00	0.8	NE
12/23/2024 08:38:00	2.2	3.7	1.5	0.01	0.01	0.00	0.8	NE
12/23/2024 08:39:00	2.2	3.6	1.5	0.01	0.01	0.00	0.9	NE
12/23/2024 08:40:00	2.2	3.7	1.5	0.01	0.01	0.00	0.9	NE
12/23/2024 08:41:00	2.2	3.7	1.4	0.01	0.01	0.00	0.9	NE
12/23/2024 08:42:00	2.4	3.8	1.4	0.01	0.01	0.00	0.9	NNE
12/23/2024 08:43:00	2.4	3.9	1.4	0.01	0.01	0.00	1.0	NE
12/23/2024 08:44:00	2.5	3.9	1.4	0.01	0.01	0.00	1.0	NE
12/23/2024 08:45:00	2.5	3.7	1.2	0.01	0.01	0.00	1.1	ENE
12/23/2024 08:46:00	2.3	3.4	1.1	0.01	0.01	0.00	1.1	NE
12/23/2024 08:47:00	2.1	3.4	1.3	0.01	0.01	0.00	1.2	NE
12/23/2024 08:48:00	2.0	3.0	0.9	0.01	0.01	0.00	1.2	E
12/23/2024 08:49:00	2.0	2.8	0.8	0.01	0.01	0.00	1.1	NNE
12/23/2024 08:50:00	2.0	2.9	0.8	0.01	0.01	0.00	1.1	ENE
12/23/2024 08:51:00	2.1	2.9	0.8	0.01	0.01	0.00	1.0	NW
12/23/2024 08:52:00	2.2	2.9	0.7	0.01	0.01	0.00	1.0	NE
12/23/2024 08:53:00	2.2	3.0	0.8	0.01	0.01	0.00	0.9	NE
12/23/2024 08:54:00	2.2	3.1	0.9	0.01	0.01	0.00	1.0	NE
12/23/2024 08:55:00	2.2	3.6	1.4	0.01	0.01	0.00	1.0	NE
12/23/2024 08:56:00	2.2	4.0	1.8	0.01	0.01	0.00	1.0	NE
12/23/2024 08:57:00	2.1	4.1	1.9	0.01	0.01	0.00	0.9	NE
12/23/2024 08:58:00	2.2	4.0	1.9	0.01	0.01	0.00	0.8	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 08:59:00	2.3	4.0	1.7	0.01	0.01	0.00	0.6	WSW
12/23/2024 09:00:00	2.5	4.0	1.5	0.01	0.01	0.00	0.5	SW
12/23/2024 09:01:00	2.6	3.9	1.3	0.01	0.01	0.00	0.4	SSW
12/23/2024 09:02:00	2.8	3.9	1.1	0.01	0.01	0.00	0.3	WSW
12/23/2024 09:03:00	2.9	3.9	1.0	0.01	0.01	0.00	0.2	NW
12/23/2024 09:04:00	3.0	4.1	1.1	0.01	0.01	0.00	0.2	E
12/23/2024 09:05:00	3.5	4.0	0.5	0.01	0.01	0.00	0.2	WSW
12/23/2024 09:06:00	3.5	4.5	1.0	0.01	0.01	0.00	0.1	WSW
12/23/2024 09:07:00	3.5	5.3	1.8	0.01	0.01	0.01	0.1	SW
12/23/2024 09:08:00	3.6	5.3	1.8	0.01	0.01	0.00	0.2	SE
12/23/2024 09:09:00	3.7	5.2	1.5	0.01	0.01	0.00	0.2	E
12/23/2024 09:10:00	3.8	4.7	1.0	0.01	0.01	0.00	0.3	ESE
12/23/2024 09:11:00	3.9	4.4	0.6	0.00	0.01	0.00	0.4	SW
12/23/2024 09:12:00	3.9	4.3	0.4	0.01	0.01	0.00	0.4	NE
12/23/2024 09:13:00	3.8	4.3	0.5	0.01	0.01	0.00	0.3	NE
12/23/2024 09:14:00	3.8	4.3	0.5	0.01	0.01	0.00	0.3	SW
12/23/2024 09:15:00	3.6	4.2	0.6	0.01	0.01	0.00	0.3	SW
12/23/2024 09:16:00	3.5	4.2	0.8	0.01	0.01	0.00	0.3	SW
12/23/2024 09:17:00	3.4	4.2	0.8	0.01	0.01	0.00	0.3	SW
12/23/2024 09:18:00	3.4	4.3	0.9	0.01	0.01	0.00	0.3	WNW
12/23/2024 09:19:00	3.4	4.2	0.9	0.00	0.01	0.00	0.4	SW
12/23/2024 09:20:00	3.0	4.2	1.3	0.00	0.01	0.00	0.5	SW
12/23/2024 09:21:00	2.9	3.7	0.8	0.00	0.01	0.00	0.5	WSW
12/23/2024 09:22:00	2.9	2.8	0.0	0.00	0.01	0.00	0.5	WNW
12/23/2024 09:23:00	2.9	2.7	0.0	0.00	0.01	0.01	0.6	W
12/23/2024 09:24:00	2.9	2.6	0.0	0.00	0.01	0.01	0.7	W
12/23/2024 09:25:00	2.8	2.5	0.0	0.00	0.01	0.01	0.8	WNW
12/23/2024 09:26:00	2.7	2.5	0.0	0.00	0.01	0.01	0.8	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 09:27:00	2.7	2.4	0.0	0.00	0.01	0.01	0.9	W
12/23/2024 09:28:00	2.7	2.3	0.0	0.00	0.01	0.01	1.1	WSW
12/23/2024 09:29:00	2.7	2.3	0.0	0.00	0.01	0.01	1.1	WSW
12/23/2024 09:30:00	2.7	2.3	0.0	0.00	0.01	0.01	1.1	SW
12/23/2024 09:31:00	2.7	2.3	0.0	0.00	0.01	0.01	1.1	SW
12/23/2024 09:32:00	2.7	2.3	0.0	0.00	0.01	0.01	1.1	SW
12/23/2024 09:33:00	2.7	2.1	0.0	0.00	0.01	0.01	1.2	SW
12/23/2024 09:34:00	2.6	1.9	0.0	0.00	0.01	0.01	1.3	SW
12/23/2024 09:35:00	2.7	1.9	0.0	0.00	0.01	0.01	1.3	WSW
12/23/2024 09:36:00	2.8	1.9	0.0	0.00	0.01	0.01	1.3	SW
12/23/2024 09:37:00	2.8	1.9	0.0	0.00	0.01	0.01	1.3	SW
12/23/2024 09:38:00	2.8	2.0	0.0	0.00	0.01	0.01	1.4	SW
12/23/2024 09:39:00	2.9	2.0	0.0	0.00	0.01	0.01	1.4	SW
12/23/2024 09:40:00	2.9	2.1	0.0	0.00	0.01	0.01	1.4	SW
12/23/2024 09:41:00	2.9	2.2	0.0	0.01	0.01	0.01	1.4	SW
12/23/2024 09:42:00	3.2	2.2	0.0	0.01	0.01	0.00	1.4	SW
12/23/2024 09:43:00	3.5	2.2	0.0	0.02	0.01	0.00	1.4	SW
12/23/2024 09:44:00	3.5	2.2	0.0	0.03	0.01	0.00	1.5	WSW
12/23/2024 09:45:00	3.7	2.3	0.0	0.03	0.01	0.00	1.4	WSW
12/23/2024 09:46:00	3.8	2.3	0.0	0.03	0.02	0.00	1.4	W
12/23/2024 09:47:00	3.8	2.4	0.0	0.04	0.02	0.00	1.3	SW
12/23/2024 09:48:00	3.9	2.4	0.0	0.05	0.02	0.00	1.2	SW
12/23/2024 09:49:00	4.0	2.5	0.0	0.05	0.02	0.00	1.2	WSW
12/23/2024 09:50:00	4.1	2.5	0.0	0.06	0.02	0.00	1.1	WSW
12/23/2024 09:51:00	4.1	2.5	0.0	0.06	0.02	0.00	1.1	WSW
12/23/2024 09:52:00	4.2	2.5	0.0	0.06	0.02	0.00	1.0	WSW
12/23/2024 09:53:00	4.3	2.5	0.0	0.06	0.02	0.00	1.0	SW
12/23/2024 09:54:00	4.3	2.6	0.0	0.06	0.02	0.00	0.9	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 09:55:00	4.5	2.6	0.0	0.06	0.02	0.00	0.9	WSW
12/23/2024 09:56:00	4.9	2.5	0.0	0.05	0.02	0.00	0.9	WSW
12/23/2024 09:57:00	4.6	2.6	0.0	0.05	0.02	0.00	0.8	WSW
12/23/2024 09:58:00	4.4	2.6	0.0	0.05	0.02	0.00	0.8	WSW
12/23/2024 09:59:00	4.4	2.6	0.0	0.05	0.02	0.00	0.8	SW
12/23/2024 10:00:00	4.3	2.7	0.0	0.05	0.02	0.00	0.8	W
12/23/2024 10:01:00	4.2	2.8	0.0	0.05	0.02	0.00	0.7	NE
12/23/2024 10:02:00	4.2	2.8	0.0	0.04	0.02	0.00	0.7	WSW
12/23/2024 10:03:00	4.2	2.8	0.0	0.03	0.02	0.00	0.7	SW
12/23/2024 10:04:00	4.4	2.8	0.0	0.03	0.02	0.00	0.8	SW
12/23/2024 10:05:00	4.5	2.9	0.0	0.03	0.02	0.00	0.9	SW
12/23/2024 10:06:00	5.0	2.9	0.0	0.03	0.02	0.00	1.0	SW
12/23/2024 10:07:00	4.9	2.9	0.0	0.03	0.02	0.00	1.1	SW
12/23/2024 10:08:00	4.9	3.0	0.0	0.03	0.02	0.00	1.1	W
12/23/2024 10:09:00	5.0	2.9	0.0	0.03	0.02	0.00	1.2	WSW
12/23/2024 10:10:00	4.8	3.0	0.0	0.03	0.02	0.00	1.2	WSW
12/23/2024 10:11:00	4.5	3.0	0.0	0.03	0.02	0.00	1.3	SW
12/23/2024 10:12:00	4.5	3.1	0.0	0.03	0.02	0.00	1.4	SW
12/23/2024 10:13:00	4.6	3.1	0.0	0.02	0.02	0.00	1.4	SSW
12/23/2024 10:14:00	4.6	3.2	0.0	0.02	0.02	0.00	1.3	NW
12/23/2024 10:15:00	4.7	3.3	0.0	0.02	0.02	0.01	1.3	WSW
12/23/2024 10:16:00	4.8	3.3	0.0	0.02	0.02	0.00	1.4	WSW
12/23/2024 10:17:00	4.9	3.5	0.0	0.02	0.02	0.00	1.4	SW
12/23/2024 10:18:00	6.0	3.8	0.0	0.02	0.02	0.01	1.4	SSW
12/23/2024 10:19:00	6.0	4.0	0.0	0.01	0.02	0.01	1.3	WSW
12/23/2024 10:20:00	6.0	4.1	0.0	0.01	0.02	0.01	1.2	SW
12/23/2024 10:21:00	5.6	4.3	0.0	0.01	0.02	0.01	1.2	SW
12/23/2024 10:22:00	5.7	4.5	0.0	0.01	0.02	0.01	1.1	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 10:23:00	5.8	4.7	0.0	0.01	0.02	0.01	1.0	SW
12/23/2024 10:24:00	5.9	4.9	0.0	0.01	0.02	0.01	1.0	WNW
12/23/2024 10:25:00	6.1	5.1	0.0	0.02	0.02	0.01	0.9	NE
12/23/2024 10:26:00	6.2	5.3	0.0	0.02	0.02	0.01	0.8	W
12/23/2024 10:27:00	6.2	5.4	0.0	0.02	0.02	0.01	0.6	N
12/23/2024 10:28:00	6.3	5.6	0.0	0.02	0.02	0.01	0.5	N
12/23/2024 10:29:00	6.4	5.8	0.0	0.02	0.02	0.01	0.5	W
12/23/2024 10:30:00	6.4	6.1	0.0	0.01	0.02	0.01	0.6	WSW
12/23/2024 10:31:00	6.5	6.3	0.0	0.01	0.02	0.01	0.5	SW
12/23/2024 10:32:00	6.5	6.3	0.0	0.01	0.02	0.01	0.5	WSW
12/23/2024 10:33:00	5.5	6.3	0.8	0.01	0.02	0.01	0.5	SSE
12/23/2024 10:34:00	5.4	6.3	0.8	0.01	0.02	0.01	0.4	N
12/23/2024 10:35:00	5.4	6.2	0.8	0.02	0.02	0.01	0.3	NE
12/23/2024 10:36:00	5.5	6.2	0.7	0.02	0.02	0.01	0.3	NNE
12/23/2024 10:37:00	5.5	6.1	0.6	0.02	0.02	0.00	0.3	NNE
12/23/2024 10:38:00	5.6	6.0	0.5	0.02	0.02	0.00	0.3	N
12/23/2024 10:39:00	5.5	6.0	0.6	0.02	0.02	0.00	0.4	WNW
12/23/2024 10:40:00	5.4	6.0	0.5	0.01	0.02	0.00	0.4	WSW
12/23/2024 10:41:00	5.4	5.9	0.5	0.01	0.02	0.01	0.4	SW
12/23/2024 10:42:00	5.4	5.9	0.5	0.01	0.02	0.01	0.4	WSW
12/23/2024 10:43:00	5.3	5.9	0.5	0.01	0.02	0.01	0.4	SW
12/23/2024 10:44:00	5.3	5.9	0.6	0.01	0.02	0.01	0.3	N
12/23/2024 10:45:00	5.4	5.6	0.3	0.01	0.01	0.01	0.3	NNE
12/23/2024 10:46:00	5.4	5.6	0.2	0.01	0.01	0.01	0.4	NW
12/23/2024 10:47:00	5.4	5.5	0.1	0.01	0.01	0.00	0.5	NNE
12/23/2024 10:48:00	6.3	5.5	0.0	0.01	0.01	0.00	0.7	NNE
12/23/2024 10:49:00	6.7	5.4	0.0	0.01	0.01	0.00	0.7	ENE
12/23/2024 10:50:00	6.5	5.5	0.0	0.01	0.01	0.00	0.8	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 10:51:00	6.7	5.5	0.0	0.01	0.01	0.00	0.8	N
12/23/2024 10:52:00	6.7	5.5	0.0	0.01	0.01	0.00	0.8	NNE
12/23/2024 10:53:00	6.6	5.5	0.0	0.01	0.01	0.00	0.8	N
12/23/2024 10:54:00	6.6	5.5	0.0	0.01	0.01	0.00	0.8	N
12/23/2024 10:55:00	6.6	5.6	0.0	0.01	0.01	0.00	1.0	N
12/23/2024 10:56:00	6.6	5.6	0.0	0.01	0.01	0.00	1.1	NNW
12/23/2024 10:57:00	6.6	5.6	0.0	0.01	0.01	0.00	1.2	WNW
12/23/2024 10:58:00	6.7	5.5	0.0	0.01	0.01	0.00	1.4	N
12/23/2024 10:59:00	6.7	5.5	0.0	0.01	0.01	0.00	1.4	N
12/23/2024 11:00:00	6.6	5.6	0.0	0.01	0.01	0.00	1.4	N
12/23/2024 11:01:00	6.6	5.8	0.0	0.01	0.01	0.00	1.6	N
12/23/2024 11:02:00	6.6	5.8	0.0	0.01	0.01	0.00	1.6	NNE
12/23/2024 11:03:00	5.7	5.8	0.1	0.01	0.01	0.00	1.6	NNE
12/23/2024 11:04:00	5.3	5.9	0.6	0.01	0.01	0.00	1.9	N
12/23/2024 11:05:00	5.3	6.0	0.7	0.01	0.01	0.00	2.0	N
12/23/2024 11:06:00	5.2	7.0	1.9	0.01	0.02	0.01	2.0	NNW
12/23/2024 11:07:00	5.1	7.4	2.3	0.01	0.02	0.01	2.1	N
12/23/2024 11:08:00	5.5	7.4	1.9	0.01	0.02	0.01	2.2	NE
12/23/2024 11:09:00	5.6	7.3	1.7	0.01	0.01	0.00	2.5	NE
12/23/2024 11:10:00	5.7	7.3	1.6	0.01	0.01	0.00	2.6	NNE
12/23/2024 11:11:00	5.7	7.2	1.5	0.01	0.01	0.00	2.6	NE
12/23/2024 11:12:00	5.7	7.2	1.5	0.01	0.01	0.00	2.8	N
12/23/2024 11:13:00	5.8	7.2	1.4	0.01	0.01	0.00	2.9	NE
12/23/2024 11:14:00	5.8	7.1	1.3	0.01	0.01	0.00	3.0	NNE
12/23/2024 11:15:00	5.8	7.1	1.3	0.01	0.01	0.00	3.0	N
12/23/2024 11:16:00	5.9	6.7	0.8	0.01	0.01	0.00	3.0	NE
12/23/2024 11:17:00	5.8	7.1	1.3	0.01	0.01	0.00	2.8	WNW
12/23/2024 11:18:00	5.7	7.3	1.6	0.01	0.01	0.00	2.7	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 11:19:00	5.7	7.2	1.5	0.01	0.01	0.00	2.5	N
12/23/2024 11:20:00	5.8	6.9	1.2	0.01	0.01	0.00	2.5	NNE
12/23/2024 11:21:00	5.7	6.7	1.0	0.01	0.01	0.00	2.5	N
12/23/2024 11:22:00	6.2	6.3	0.1	0.01	0.01	0.00	2.4	NNE
12/23/2024 11:23:00	5.8	6.6	0.8	0.01	0.01	0.00	2.2	NNW
12/23/2024 11:24:00	5.6	6.7	1.1	0.01	0.01	0.00	2.1	N
12/23/2024 11:25:00	5.5	7.1	1.7	0.01	0.01	0.01	1.9	NW
12/23/2024 11:26:00	5.4	7.2	1.8	0.01	0.01	0.01	1.8	NW
12/23/2024 11:27:00	5.3	7.3	2.0	0.01	0.02	0.01	1.8	N
12/23/2024 11:28:00	5.2	7.9	2.7	0.01	0.02	0.01	1.8	N
12/23/2024 11:29:00	5.9	7.9	2.0	0.01	0.02	0.01	1.8	N
12/23/2024 11:30:00	6.3	7.8	1.4	0.01	0.02	0.01	1.9	NNE
12/23/2024 11:31:00	6.2	7.9	1.7	0.01	0.02	0.01	1.8	N
12/23/2024 11:32:00	6.3	7.4	1.1	0.01	0.02	0.01	2.0	N
12/23/2024 11:33:00	6.4	7.2	0.8	0.01	0.01	0.01	2.3	N
12/23/2024 11:34:00	6.4	7.4	1.0	0.01	0.01	0.01	2.3	N
12/23/2024 11:35:00	6.2	7.5	1.3	0.01	0.02	0.01	2.4	N
12/23/2024 11:36:00	6.4	6.7	0.3	0.01	0.01	0.01	2.5	NNE
12/23/2024 11:37:00	6.0	6.6	0.6	0.01	0.01	0.01	2.5	NE
12/23/2024 11:38:00	6.0	6.5	0.5	0.01	0.01	0.01	2.5	N
12/23/2024 11:39:00	5.9	6.4	0.5	0.01	0.01	0.01	2.5	NNW
12/23/2024 11:40:00	5.9	6.2	0.3	0.01	0.01	0.01	2.6	N
12/23/2024 11:41:00	5.9	6.3	0.4	0.01	0.01	0.01	2.6	NNW
12/23/2024 11:42:00	5.8	6.3	0.5	0.01	0.01	0.01	2.6	N
12/23/2024 11:43:00	6.0	5.8	0.0	0.01	0.01	0.01	2.5	NNW
12/23/2024 11:44:00	5.5	5.9	0.5	0.01	0.01	0.01	2.3	NNW
12/23/2024 11:45:00	5.0	6.1	1.0	0.01	0.01	0.01	2.2	ENE
12/23/2024 11:46:00	5.1	6.0	0.9	0.01	0.01	0.01	2.1	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/23/2024 11:47:00	5.0	6.1	1.1	0.01	0.01	0.01	1.8	SW
12/23/2024 11:48:00	4.9	6.1	1.3	0.00	0.01	0.01	1.5	SW
12/23/2024 11:49:00	5.0	5.8	0.9	0.00	0.01	0.01	1.2	SW
12/23/2024 11:50:00	5.0	5.7	0.7	0.00	0.01	0.01	1.0	WSW
12/23/2024 11:51:00	4.8	5.6	0.8	0.00	0.01	0.01	0.8	SSW
12/23/2024 11:52:00	4.7	5.6	0.9	0.00	0.01	0.01	0.8	WSW
12/23/2024 11:53:00	5.0	5.4	0.4	0.01	0.01	0.01	0.8	SW
12/23/2024 11:54:00	5.0	5.2	0.1	0.01	0.01	0.00	0.7	SSW
12/23/2024 11:55:00	5.0	5.2	0.3	0.01	0.02	0.01	0.7	ESE
12/23/2024 11:56:00	5.0	5.3	0.3	0.01	0.02	0.01	0.6	NNE
12/23/2024 11:57:00	4.9	5.9	0.9	0.01	0.02	0.01	0.6	NNE
12/23/2024 11:58:00	4.9	5.7	0.9	0.01	0.02	0.01	0.6	SSW
12/23/2024 11:59:00	4.7	5.6	0.9	0.01	0.02	0.01	0.6	NNE
12/23/2024 12:00:00	4.7	5.5	0.9	0.01	0.02	0.01	0.7	NE
12/23/2024 12:01:00	4.6	5.4	0.8	0.01	0.02	0.01	0.7	N
12/23/2024 12:02:00	4.6	5.4	0.8	0.01	0.02	0.01	0.6	W
12/23/2024 12:03:00	4.6	5.4	0.8	0.01	0.02	0.01	0.5	W
12/23/2024 12:04:00	4.6	5.5	0.9	0.01	0.02	0.01	0.6	W
12/23/2024 12:05:00	4.7	5.7	1.0	0.01	0.02	0.01	0.4	WSW
12/23/2024 12:06:00	4.7	5.7	1.0	0.01	0.02	0.01	0.4	WSW
12/23/2024 12:07:00	4.7	5.8	1.1	0.01	0.02	0.01	0.5	SW
12/23/2024 12:08:00	4.5	5.8	1.4	0.01	0.02	0.01	0.6	SW