

DAILY FIELD REPORT 016

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	June 27, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 4:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:
Caitlyn Dempsey (Environmental)
Xianglei Zheng (Geotechnical)

Construction Manager: Consigli Construction Co., Inc. (Consigli)

Foundation Contractor: Urban Foundation/Engineering (Urban)

Grout Inspector: Fenagh Engineering and Testing (Fenagh)

Work Activities Performed:

- Urban excavated an about 8-foot-long by 12-foot-wide area to about 8 feet below grade surface (bgs) in the southern part of waste characterization grid WC04_0-5 and WC04_5-10 to prepare the area for the installation of soil-mix columns. Excavated soil/fill was graded adjacent to the excavation pending off-site disposal.
- Urban excavated an about 10-foot-long by 12-foot-wide area to about 2 feet bgs in the southern part of waste characterization grid WC02_0-5 to explore subsurface conditions in the area. Excavated soil/fill was graded adjacent to the excavation pending off-site disposal.
- Urban graded an about 50-foot-long by 5-foot-wide area in the eastern area of waste characterization grid WC03.
- Urban graded an about 15-foot-long by 5-foot-wide area and an about 20-foot-long by 20-foot-wide area in the eastern part of waste characterization grid WC04 and western part of grid WC05 and in the and southern part of grid WC04, respectively.
- All excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated PID readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed four, about 38-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the northwestern and southern parts of the site.
- Urban installed three, 38-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the southern part of the waste characterization grid WC04 as part of the in-situ stabilization (ISS) of the coal tar/creosote non-aqueous phase liquid (NAPL)-contaminated soil. The soil-mix columns were installed from existing grade to about elevation (el.) -20 feet in reference to the North American Vertical Datum of 1988 (NAVD88). During the soil mixing operation, six wet grab soil mix samples were collected from two of the columns and seven wet grab soil mix samples were collected from the third column to determine the compressive strength of the injected cement grout mix. Grout mix sampling were also collected for compressive strength testing. Core samples will be collected from the installed soil-mix columns after an initial curing (a minimum of 7 days).

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		0	-	0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	19	380	17	340	0	-	14	280

Samples Collected:

- No samples were collected.

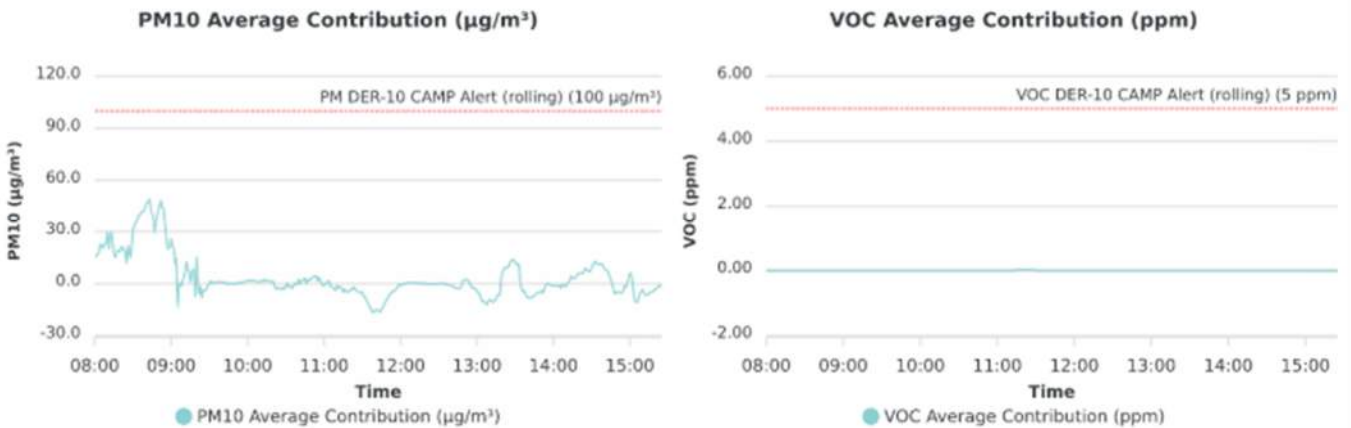
Air Monitoring:

The 15-minute average site contributions for particulates and volatile organic compounds (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/m³ for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m³ and 5 ppm, respectively, on this day. Data gaps were encountered from 11:06 and 11:07 AM and from 15:02 to 15:03. These data gaps were attributed to errors encountered with the weather station equipment.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	23.0	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-16.7	VOC Average Site Contribution (Minimum)	0.00
PM10 Average Site Contribution (Maximum)	49.1	VOC Average Site Contribution (Maximum)	0.03

µg/m³: micrograms per cubic meter.

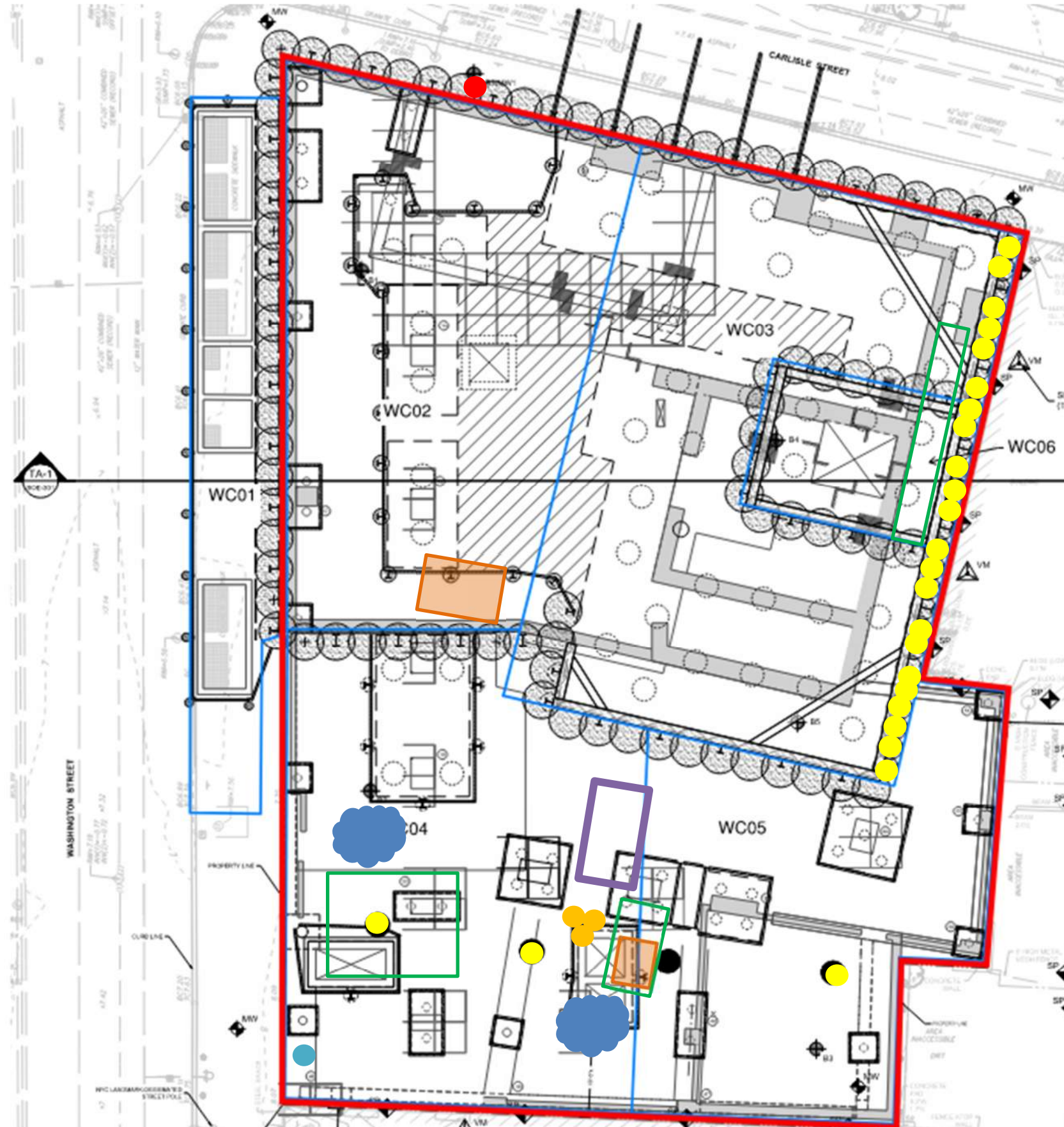
ppm: parts per million.



Planned Activities:

- Urban will continue installing soil-mix columns throughout the site.

SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- CAMP station 1**
- CAMP station 2**
- Stockpile – Soil (no impacts)**
- Stockpile – C&D**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- Completed Soil-Mix Column**
- Completed Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- Approximate Location of the UST**

Note: Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

Photo Log

Photo 1: Overhead view of Fenagh Engineering inspector collecting wet soil mix samples after ISS column installation.



Photo 2: Urban installing soil-mix columns as part of the ISS in the southern part of the waste characterization grid WC04 (facing northwest).



Photo 3: View of CAMP Station 1 in the northern part of the site (facing east).



Photo 4: View of CAMP Station 2 in the southwestern part of the site (facing southwest).



Photo 5: View of the entrance/exit of the site along Washington Street at the end of the work day (facing northeast).

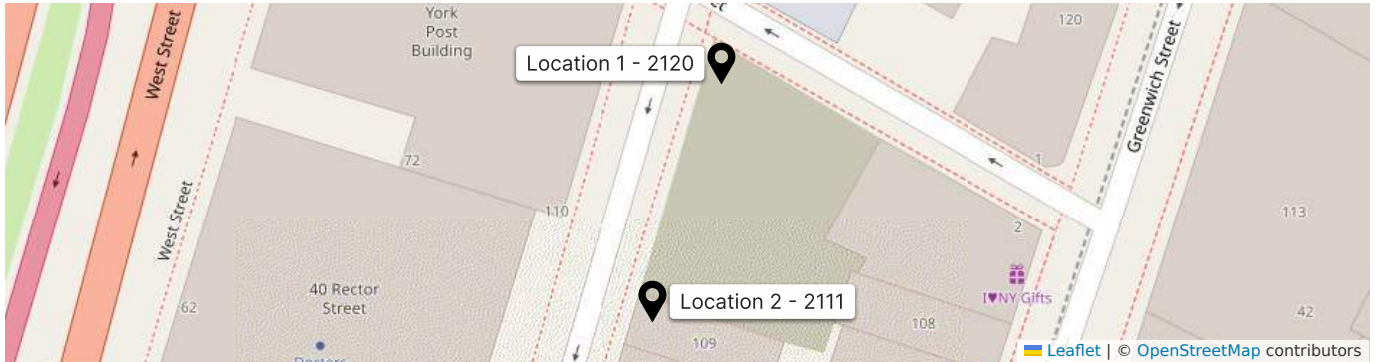


Photo 6: View of the entrance/exit of the site at the corner of Carlisle and Washington Street at the end of the work day (facing southeast).



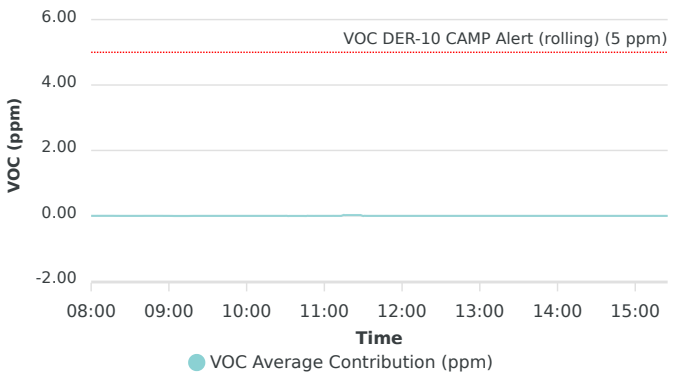
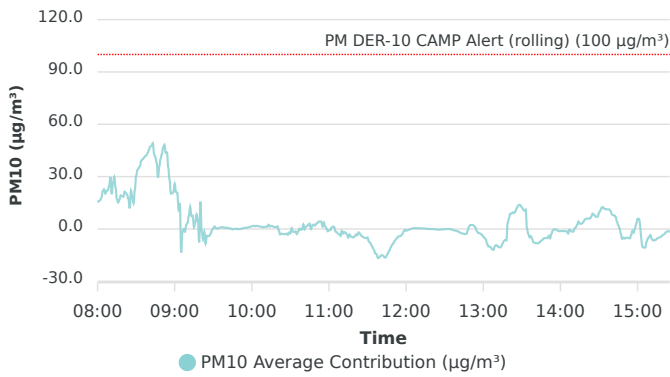
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	6/27/2023 08:00
		To:	6/27/2023 18:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Windspeed (mph)	Prevailing wind direction
6/27/2023	-	-	-	0.2-4.6	W

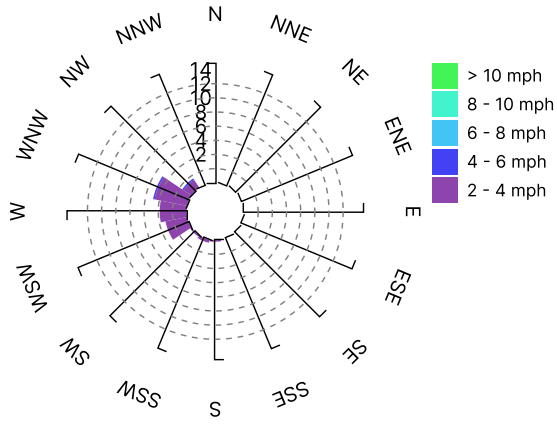


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

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
6/27/2023 08:00:00	23.0	38.3	15.3	0.00	0.00	0.00	0.9	E
6/27/2023 08:01:00	23.4	39.4	16.0	0.00	0.00	0.00	0.9	E
6/27/2023 08:02:00	23.7	40.2	16.5	0.00	0.00	0.00	0.8	ESE
6/27/2023 08:03:00	23.7	41.6	17.9	0.00	0.00	0.00	0.8	E
6/27/2023 08:04:00	21.7	43.6	21.8	0.00	0.00	0.00	0.9	NE
6/27/2023 08:05:00	21.5	44.3	22.8	0.00	0.00	0.00	0.9	NNW
6/27/2023 08:06:00	23.2	43.4	20.3	0.00	0.00	0.00	0.9	W
6/27/2023 08:07:00	21.6	43.3	21.8	0.00	0.00	0.00	0.9	WNW
6/27/2023 08:08:00	22.0	44.2	22.2	0.00	0.00	0.00	0.9	NW
6/27/2023 08:09:00	22.3	47.1	24.7	0.00	0.00	0.00	0.8	N
6/27/2023 08:10:00	22.6	52.4	29.8	0.00	0.00	0.00	0.9	NNW
6/27/2023 08:11:00	30.6	50.5	19.9	0.00	0.00	0.00	0.8	SSW
6/27/2023 08:12:00	29.4	56.1	26.7	0.00	0.00	0.00	0.8	NNE
6/27/2023 08:13:00	29.6	59.4	29.9	0.00	0.00	0.00	0.8	E
6/27/2023 08:14:00	34.3	57.9	23.6	0.00	0.00	0.00	0.8	ESE
6/27/2023 08:15:00	39.7	56.7	17.0	0.00	0.00	0.00	0.8	S
6/27/2023 08:16:00	41.4	56.6	15.1	0.00	0.00	0.00	0.8	E
6/27/2023 08:17:00	42.7	59.5	16.8	0.00	0.00	0.00	0.8	NW
6/27/2023 08:18:00	43.2	62.5	19.3	0.00	0.00	0.00	0.8	NNE
6/27/2023 08:19:00	43.4	62.2	18.8	0.00	0.00	0.00	0.8	ENE
6/27/2023 08:20:00	43.5	61.9	18.4	0.00	0.00	0.00	0.8	NNE
6/27/2023 08:21:00	41.1	62.5	21.4	0.00	0.00	0.00	0.8	NW
6/27/2023 08:22:00	41.1	61.7	20.6	0.00	0.00	0.00	0.8	N
6/27/2023 08:23:00	40.8	60.3	19.6	0.00	0.00	0.00	0.8	ENE
6/27/2023 08:24:00	40.4	57.6	17.2	0.00	0.00	0.00	0.8	ENE
6/27/2023 08:25:00	40.2	52.1	11.8	0.00	0.00	0.00	0.8	NNW
6/27/2023 08:26:00	31.2	53.2	21.9	0.00	0.00	0.00	0.8	NNW
6/27/2023 08:27:00	31.1	49.3	18.1	0.00	0.00	0.00	0.9	NNW
6/27/2023 08:28:00	31.0	45.8	14.8	0.00	0.00	0.00	0.9	WNW
6/27/2023 08:29:00	26.4	48.9	22.5	0.00	0.00	0.00	0.9	NE
6/27/2023 08:30:00	21.2	51.6	30.5	0.00	0.00	0.00	0.9	NW
6/27/2023 08:31:00	19.5	53.3	33.8	0.00	0.00	0.00	0.9	ENE

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/27/2023 08:32:00	18.3	53.3	35.0	0.00	0.00	0.00	0.9	WNW
6/27/2023 08:33:00	18.2	54.2	36.1	0.00	0.00	0.00	0.9	NW
6/27/2023 08:34:00	18.2	57.4	39.3	0.00	0.00	0.00	0.9	NW
6/27/2023 08:35:00	18.2	58.1	39.9	0.00	0.00	0.00	0.9	WNW
6/27/2023 08:36:00	18.3	59.0	40.8	0.00	0.00	0.00	0.9	NW
6/27/2023 08:37:00	18.2	60.0	41.8	0.00	0.00	0.00	0.9	NW
6/27/2023 08:38:00	18.3	60.5	42.2	0.00	0.00	0.00	0.9	NNW
6/27/2023 08:39:00	18.3	61.9	43.6	0.00	0.00	0.00	0.9	ENE
6/27/2023 08:40:00	18.3	63.8	45.5	0.00	0.00	0.00	0.8	NE
6/27/2023 08:41:00	18.4	65.7	47.3	0.00	0.00	0.00	0.8	NE
6/27/2023 08:42:00	18.6	66.3	47.7	0.00	0.00	0.00	0.8	E
6/27/2023 08:43:00	18.6	67.7	49.1	0.00	0.00	0.00	0.8	E
6/27/2023 08:44:00	21.7	64.5	42.8	0.00	0.00	0.00	0.8	S
6/27/2023 08:45:00	21.7	62.6	40.9	0.00	0.00	0.00	0.7	ENE
6/27/2023 08:46:00	21.7	59.6	37.9	0.00	0.00	0.00	0.7	NE
6/27/2023 08:47:00	24.8	54.2	29.4	0.00	0.00	0.00	0.7	WNW
6/27/2023 08:48:00	24.5	60.2	35.7	0.00	0.00	0.00	0.7	NW
6/27/2023 08:49:00	24.3	64.5	40.2	0.00	0.00	0.00	0.6	NNE
6/27/2023 08:50:00	24.3	67.3	43.0	0.00	0.00	0.00	0.6	ESE
6/27/2023 08:51:00	24.2	71.0	46.7	0.00	0.00	0.00	0.6	E
6/27/2023 08:52:00	24.1	72.4	48.3	0.00	0.00	0.00	0.6	ENE
6/27/2023 08:53:00	26.8	70.5	43.7	0.00	0.00	0.00	0.6	WNW
6/27/2023 08:54:00	26.7	70.5	43.8	0.00	0.00	0.00	0.6	NNW
6/27/2023 08:55:00	32.2	67.2	35.0	0.00	0.00	0.00	0.6	ESE
6/27/2023 08:56:00	36.0	64.1	28.1	0.00	0.00	0.00	0.6	ESE
6/27/2023 08:57:00	41.4	61.7	20.3	0.00	0.00	0.00	0.6	ESE
6/27/2023 08:58:00	41.4	61.7	20.4	0.00	0.00	0.00	0.6	NW
6/27/2023 08:59:00	40.5	61.7	21.2	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:00:00	40.4	66.4	25.9	0.00	0.00	0.00	0.6	NNE
6/27/2023 09:01:00	44.0	65.2	21.3	0.00	0.00	0.00	0.6	SE
6/27/2023 09:02:00	44.4	65.1	20.7	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:03:00	44.3	55.7	11.4	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:04:00	44.2	59.1	14.9	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
6/27/2023 09:05:00	67.5	54.1	-13.4	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:06:00	67.5	65.8	-1.7	0.00	0.00	0.00	0.6	E
6/27/2023 09:07:00	67.3	67.3	-0.1	0.00	0.00	0.00	0.6	NW
6/27/2023 09:08:00	68.8	67.2	-1.5	0.00	0.00	0.00	0.6	WSW
6/27/2023 09:09:00	68.7	71.1	2.4	0.00	0.00	0.00	0.6	WNW
6/27/2023 09:10:00	67.7	71.1	3.5	0.00	0.00	0.00	0.6	W
6/27/2023 09:11:00	64.2	72.0	7.8	0.00	0.00	0.00	0.6	WNW
6/27/2023 09:12:00	59.8	72.6	12.8	0.00	0.00	0.00	0.5	ENE
6/27/2023 09:13:00	62.5	69.8	7.3	0.00	0.00	0.00	0.5	S
6/27/2023 09:14:00	62.8	70.4	7.6	0.00	0.00	0.00	0.5	ESE
6/27/2023 09:15:00	63.9	64.8	1.0	0.00	0.00	0.00	0.5	SE
6/27/2023 09:16:00	61.3	64.9	3.7	0.00	0.00	0.00	0.5	ESE
6/27/2023 09:17:00	57.6	65.9	8.3	0.00	0.00	0.00	0.5	E
6/27/2023 09:18:00	57.6	62.9	5.3	0.00	0.00	0.00	0.5	E
6/27/2023 09:19:00	58.1	50.4	-7.7	0.00	0.00	0.00	0.5	WSW
6/27/2023 09:20:00	35.0	50.7	15.6	0.00	0.00	0.00	0.4	NW
6/27/2023 09:21:00	35.0	33.7	-1.3	0.00	0.00	0.00	0.5	WNW
6/27/2023 09:22:00	35.1	29.1	-6.0	0.00	0.00	0.00	0.5	SE
6/27/2023 09:23:00	30.8	29.2	-1.6	0.00	0.00	0.00	0.4	ENE
6/27/2023 09:24:00	30.7	22.4	-8.3	0.00	0.00	0.00	0.4	ESE
6/27/2023 09:25:00	26.1	22.2	-3.9	0.00	0.00	0.00	0.4	SSE
6/27/2023 09:26:00	25.4	21.2	-4.2	0.00	0.00	0.00	0.4	N
6/27/2023 09:27:00	24.2	20.3	-3.8	0.00	0.00	0.00	0.4	WNW
6/27/2023 09:28:00	21.5	18.9	-2.6	0.00	0.00	0.00	0.4	ESE
6/27/2023 09:29:00	18.8	18.1	-0.7	0.00	0.00	0.00	0.4	ESE
6/27/2023 09:30:00	17.6	17.9	0.4	0.00	0.00	0.00	0.4	NE
6/27/2023 09:31:00	16.4	17.8	1.4	0.00	0.00	0.00	0.4	NW
6/27/2023 09:32:00	16.3	16.8	0.5	0.00	0.00	0.00	0.4	NW
6/27/2023 09:33:00	16.2	16.4	0.2	0.00	0.00	0.00	0.5	WNW
6/27/2023 09:34:00	15.6	16.0	0.4	0.00	0.00	0.00	0.5	WNW
6/27/2023 09:35:00	15.1	15.8	0.7	0.00	0.00	0.00	0.5	NE
6/27/2023 09:36:00	15.0	15.8	0.9	0.00	0.00	0.00	0.5	WNW
6/27/2023 09:37:00	14.8	15.9	1.1	0.00	0.00	0.00	0.5	NW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/27/2023 09:38:00	15.0	15.8	0.8	0.00	0.00	0.00	0.5	SSE
6/27/2023 09:39:00	15.2	15.8	0.6	0.00	0.00	0.00	0.5	SE
6/27/2023 09:40:00	15.2	16.0	0.8	0.00	0.00	0.00	0.5	E
6/27/2023 09:41:00	15.5	16.1	0.6	0.00	0.00	0.00	0.5	SW
6/27/2023 09:42:00	15.8	16.2	0.4	0.00	0.00	0.00	0.5	W
6/27/2023 09:43:00	15.9	16.2	0.3	0.00	0.00	0.00	0.5	W
6/27/2023 09:44:00	16.1	16.3	0.2	0.00	0.00	0.00	0.5	S
6/27/2023 09:45:00	16.4	16.2	-0.2	0.00	0.00	0.00	0.5	SE
6/27/2023 09:46:00	16.5	16.5	-0.1	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:47:00	16.7	16.7	0.1	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:48:00	16.7	16.9	0.2	0.00	0.00	0.00	0.5	WNW
6/27/2023 09:49:00	17.0	16.8	-0.1	0.00	0.00	0.00	0.5	S
6/27/2023 09:50:00	17.0	17.0	-0.1	0.00	0.00	0.00	0.5	ESE
6/27/2023 09:51:00	17.1	17.2	0.1	0.00	0.00	0.00	0.5	E
6/27/2023 09:52:00	17.2	17.3	0.1	0.00	0.00	0.00	0.6	N
6/27/2023 09:53:00	17.0	17.4	0.4	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:54:00	17.0	17.6	0.6	0.00	0.00	0.00	0.6	ENE
6/27/2023 09:55:00	16.9	17.5	0.6	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:56:00	16.9	17.5	0.6	0.00	0.00	0.00	0.6	WSW
6/27/2023 09:57:00	16.5	17.5	1.0	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:58:00	16.4	17.6	1.1	0.00	0.00	0.00	0.6	ESE
6/27/2023 09:59:00	16.4	17.7	1.3	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:00:00	16.3	17.8	1.6	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:01:00	16.4	18.0	1.6	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:02:00	16.5	18.3	1.9	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:03:00	16.7	18.2	1.5	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:04:00	16.5	18.3	1.8	0.00	0.00	0.00	0.6	NE
6/27/2023 10:05:00	16.6	18.2	1.7	0.00	0.00	0.00	0.6	ENE
6/27/2023 10:06:00	16.5	18.0	1.5	0.00	0.00	0.00	0.6	NW
6/27/2023 10:07:00	16.6	17.9	1.4	0.00	0.00	0.00	0.6	ESE
6/27/2023 10:08:00	16.8	17.8	1.0	0.00	0.00	0.00	0.6	SSE
6/27/2023 10:09:00	16.8	17.9	1.1	0.00	0.00	0.00	0.6	E
6/27/2023 10:10:00	16.8	17.9	1.1	0.00	0.00	0.00	0.6	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
6/27/2023 10:11:00	16.9	18.3	1.4	0.00	0.00	0.00	0.7	ESE
6/27/2023 10:12:00	17.3	18.6	1.3	0.00	0.00	0.00	0.7	ESE
6/27/2023 10:13:00	17.3	19.7	2.4	0.00	0.00	0.00	0.7	E
6/27/2023 10:14:00	18.3	19.7	1.4	0.00	0.00	0.00	0.7	ESE
6/27/2023 10:15:00	18.3	20.1	1.8	0.00	0.00	0.00	0.7	ESE
6/27/2023 10:16:00	18.4	20.0	1.6	0.00	0.00	0.00	0.7	E
6/27/2023 10:17:00	18.4	19.6	1.2	0.00	0.00	0.00	0.7	WNW
6/27/2023 10:18:00	18.5	19.5	1.1	0.00	0.00	0.00	0.7	SE
6/27/2023 10:19:00	18.5	19.6	1.1	0.00	0.00	0.00	0.7	E
6/27/2023 10:20:00	18.6	20.1	1.5	0.00	0.00	0.00	0.7	E
6/27/2023 10:21:00	21.1	20.1	-0.9	0.00	0.00	0.00	0.7	SE
6/27/2023 10:22:00	23.2	20.1	-3.1	0.00	0.00	0.00	0.7	SE
6/27/2023 10:23:00	23.1	20.5	-2.7	0.00	0.00	0.00	0.7	NW
6/27/2023 10:24:00	23.5	20.6	-2.9	0.00	0.00	0.00	0.7	NNW
6/27/2023 10:25:00	23.8	20.8	-3.0	0.00	0.00	0.00	0.7	NW
6/27/2023 10:26:00	23.9	20.9	-3.0	0.00	0.00	0.00	0.6	NNE
6/27/2023 10:27:00	23.6	21.0	-2.6	0.00	0.00	0.00	0.6	E
6/27/2023 10:28:00	23.6	20.2	-3.4	0.00	0.00	0.00	0.5	NNW
6/27/2023 10:29:00	22.7	20.7	-2.0	0.00	0.00	0.00	0.5	WNW
6/27/2023 10:30:00	23.0	20.5	-2.5	0.00	0.00	0.00	0.5	WNW
6/27/2023 10:31:00	23.2	23.7	0.5	0.00	0.00	0.00	0.5	W
6/27/2023 10:32:00	25.8	24.3	-1.5	0.01	0.00	-0.01	0.6	NW
6/27/2023 10:33:00	26.2	24.4	-1.8	0.01	0.01	0.00	0.6	W
6/27/2023 10:34:00	26.2	24.9	-1.4	0.01	0.01	0.00	0.6	NE
6/27/2023 10:35:00	27.1	24.2	-2.9	0.01	0.01	0.00	0.6	SSW
6/27/2023 10:36:00	25.4	24.0	-1.4	0.01	0.01	0.00	0.7	SSW
6/27/2023 10:37:00	23.7	23.9	0.1	0.01	0.01	0.00	0.8	W
6/27/2023 10:38:00	23.8	23.4	-0.4	0.01	0.01	0.00	0.8	S
6/27/2023 10:39:00	23.5	23.2	-0.3	0.01	0.01	0.00	0.8	WSW
6/27/2023 10:40:00	23.5	26.1	2.6	0.01	0.01	0.00	0.9	WSW
6/27/2023 10:41:00	26.4	26.2	-0.2	0.01	0.01	0.00	0.9	ENE
6/27/2023 10:42:00	26.9	28.2	1.3	0.01	0.01	0.00	0.9	WSW
6/27/2023 10:43:00	27.2	28.8	1.6	0.01	0.01	0.00	1.0	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
6/27/2023 10:44:00	27.1	29.7	2.6	0.01	0.01	0.00	1.0	SSW
6/27/2023 10:45:00	26.6	29.6	3.0	0.01	0.00	0.00	1.0	S
6/27/2023 10:46:00	26.2	26.1	0.0	0.01	0.00	0.00	1.0	SW
6/27/2023 10:47:00	23.3	25.2	1.9	0.00	0.00	0.00	1.0	SSE
6/27/2023 10:48:00	22.7	25.2	2.5	0.00	0.00	0.00	1.0	WNW
6/27/2023 10:49:00	22.5	24.4	1.9	0.00	0.00	0.00	1.1	SE
6/27/2023 10:50:00	21.6	24.4	2.8	0.00	0.00	0.00	1.0	S
6/27/2023 10:51:00	20.7	24.3	3.6	0.00	0.00	0.00	0.9	W
6/27/2023 10:52:00	20.0	24.2	4.2	0.00	0.00	0.00	0.9	NNW
6/27/2023 10:53:00	19.7	24.1	4.4	0.00	0.00	0.00	0.9	WNW
6/27/2023 10:54:00	19.6	23.8	4.2	0.00	0.00	0.00	0.9	S
6/27/2023 10:55:00	19.2	20.6	1.4	0.00	0.00	0.00	0.9	NNW
6/27/2023 10:56:00	16.2	20.0	3.8	0.00	0.00	0.00	0.9	ESE
6/27/2023 10:57:00	15.9	17.3	1.4	0.00	0.00	0.00	0.9	W
6/27/2023 10:58:00	15.7	16.0	0.3	0.00	0.00	0.00	0.8	SSW
6/27/2023 10:59:00	15.7	14.4	-1.3	0.00	0.00	0.00	0.8	SW
6/27/2023 11:00:00	15.5	14.7	-0.8	0.00	0.00	0.00	0.8	NW
6/27/2023 11:01:00	16.0	15.3	-0.7	0.00	0.00	0.00	0.8	WSW
6/27/2023 11:02:00	16.1	16.9	0.8	0.00	0.00	0.00	0.8	W
6/27/2023 11:03:00	16.8	18.2	1.4	0.00	0.00	0.00	0.8	WSW
6/27/2023 11:04:00	18.5	19.6	1.2	0.00	0.00	0.00	0.8	SSW
6/27/2023 11:05:00	20.1	18.7	-1.4	0.00	0.00	0.00	0.9	WSW
6/27/2023 11:06:00				0.00	0.00	0.00	0.9	W
6/27/2023 11:07:00				0.00	0.00	0.00	0.9	W
6/27/2023 11:08:00	15.3	12.2	-3.1	0.00	0.00	0.00	1.0	S
6/27/2023 11:09:00	16.6	12.6	-4.0	0.00	0.00	0.00	1.0	W
6/27/2023 11:10:00	15.1	14.0	-1.1	0.00	0.00	0.00	1.0	NNE
6/27/2023 11:11:00	16.3	13.7	-2.6	0.00	0.00	0.00	1.1	W
6/27/2023 11:12:00	16.0	14.3	-1.8	0.00	0.00	0.00	1.1	NNW
6/27/2023 11:13:00	16.1	13.9	-2.1	0.00	0.00	0.00	1.2	WSW
6/27/2023 11:14:00	17.0	13.7	-3.3	0.00	0.02	0.02	1.2	SW
6/27/2023 11:15:00	19.2	14.2	-5.0	0.00	0.03	0.03	1.3	WNW
6/27/2023 11:16:00	19.2	16.0	-3.2	0.01	0.03	0.02	1.4	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
6/27/2023 11:17:00	20.2	15.9	-4.3	0.01	0.03	0.03	1.4	W
6/27/2023 11:18:00	20.4	15.7	-4.7	0.01	0.03	0.03	1.5	WSW
6/27/2023 11:19:00	20.2	15.4	-4.8	0.01	0.03	0.03	1.5	S
6/27/2023 11:20:00	19.6	15.4	-4.2	0.01	0.03	0.03	1.5	NW
6/27/2023 11:21:00	19.4	16.2	-3.1	0.01	0.03	0.03	1.5	W
6/27/2023 11:22:00	20.3	16.7	-3.5	0.01	0.03	0.03	1.6	NW
6/27/2023 11:23:00	20.7	18.8	-1.9	0.01	0.03	0.03	1.7	WNW
6/27/2023 11:24:00	21.9	19.3	-2.6	0.01	0.03	0.03	1.8	WNW
6/27/2023 11:25:00	23.1	19.4	-3.8	0.01	0.03	0.03	1.9	SW
6/27/2023 11:26:00	23.8	19.5	-4.4	0.01	0.03	0.03	2.0	W
6/27/2023 11:27:00	24.3	19.5	-4.8	0.01	0.03	0.03	2.0	W
6/27/2023 11:28:00	24.9	19.7	-5.2	0.01	0.03	0.03	2.1	WSW
6/27/2023 11:29:00	24.9	19.7	-5.2	0.01	0.02	0.01	2.1	WSW
6/27/2023 11:30:00	24.2	19.3	-4.8	0.01	0.00	0.00	2.1	SSW
6/27/2023 11:31:00	25.6	18.3	-7.3	0.00	0.00	0.00	2.1	WSW
6/27/2023 11:32:00	26.4	18.6	-7.9	0.00	0.00	0.00	2.1	WSW
6/27/2023 11:33:00	27.9	18.6	-9.3	0.00	0.00	0.00	2.1	SSW
6/27/2023 11:34:00	29.4	18.7	-10.7	0.00	0.00	0.00	2.1	SW
6/27/2023 11:35:00	30.9	18.9	-12.0	0.00	0.00	0.00	2.1	SW
6/27/2023 11:36:00	32.2	18.0	-14.1	0.00	0.00	0.00	2.2	WSW
6/27/2023 11:37:00	31.6	17.2	-14.4	0.00	0.00	0.00	2.2	WSW
6/27/2023 11:38:00	31.9	15.2	-16.7	0.00	0.00	0.00	2.1	W
6/27/2023 11:39:00	31.2	14.7	-16.4	0.00	0.00	0.00	2.1	W
6/27/2023 11:40:00	30.9	15.3	-15.5	0.00	0.00	0.00	2.1	WSW
6/27/2023 11:41:00	31.6	16.6	-14.9	0.00	0.00	0.00	2.1	SW
6/27/2023 11:42:00	32.9	17.7	-15.2	0.00	0.00	0.00	2.0	W
6/27/2023 11:43:00	34.1	18.0	-16.1	0.00	0.00	0.00	2.0	WNW
6/27/2023 11:44:00	34.5	18.1	-16.4	0.00	0.00	0.00	2.0	SSW
6/27/2023 11:45:00	34.0	18.9	-15.1	0.00	0.00	0.00	2.0	NNE
6/27/2023 11:46:00	32.3	18.6	-13.7	0.00	0.00	0.00	1.9	SW
6/27/2023 11:47:00	30.4	18.0	-12.3	0.00	0.00	0.00	1.8	SSW
6/27/2023 11:48:00	28.4	17.8	-10.6	0.00	0.00	0.00	1.8	WNW
6/27/2023 11:49:00	26.7	17.5	-9.2	0.00	0.00	0.00	1.8	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
6/27/2023 11:50:00	25.2	16.9	-8.3	0.00	0.00	0.00	1.8	WSW
6/27/2023 11:51:00	23.6	16.7	-6.9	0.00	0.00	0.00	1.8	WNW
6/27/2023 11:52:00	22.6	16.6	-6.0	0.00	0.00	0.00	1.8	WNW
6/27/2023 11:53:00	21.5	16.5	-5.0	0.00	0.00	0.00	1.8	NW
6/27/2023 11:54:00	20.5	16.3	-4.2	0.00	0.00	0.00	1.6	NNW
6/27/2023 11:55:00	19.4	15.2	-4.2	0.00	0.00	0.00	1.7	WNW
6/27/2023 11:56:00	17.4	13.7	-3.7	0.00	0.00	0.00	1.7	NW
6/27/2023 11:57:00	15.2	12.2	-3.0	0.00	0.00	0.00	1.7	WNW
6/27/2023 11:58:00	13.0	11.6	-1.4	0.00	0.00	0.00	1.7	NW
6/27/2023 11:59:00	11.7	11.2	-0.5	0.00	0.00	0.00	1.8	WNW
6/27/2023 12:00:00	11.4	10.4	-1.0	0.00	0.00	0.00	1.9	WNW
6/27/2023 12:01:00	11.1	10.4	-0.7	0.00	0.00	0.00	2.0	WNW
6/27/2023 12:02:00	10.9	10.4	-0.5	0.00	0.00	0.00	2.1	NW
6/27/2023 12:03:00	10.6	10.4	-0.2	0.00	0.00	0.00	2.1	NW
6/27/2023 12:04:00	10.2	10.4	0.1	0.00	0.00	0.00	2.2	WSW
6/27/2023 12:05:00	10.1	10.4	0.3	0.00	0.00	0.00	2.3	WNW
6/27/2023 12:06:00	10.1	10.5	0.5	0.00	0.00	0.00	2.3	NW
6/27/2023 12:07:00	10.1	10.5	0.5	0.00	0.00	0.00	2.3	WNW
6/27/2023 12:08:00	10.1	10.5	0.4	0.00	0.00	0.00	2.2	NW
6/27/2023 12:09:00	10.1	10.6	0.4	0.00	0.00	0.00	2.4	WNW
6/27/2023 12:10:00	10.2	10.6	0.4	0.00	0.00	0.00	2.3	WNW
6/27/2023 12:11:00	10.2	10.6	0.4	0.00	0.00	0.00	2.3	WSW
6/27/2023 12:12:00	10.2	10.6	0.3	0.00	0.00	0.00	2.4	W
6/27/2023 12:13:00	10.2	10.6	0.3	0.00	0.00	0.00	2.3	WSW
6/27/2023 12:14:00	10.2	10.5	0.3	0.00	0.00	0.00	2.3	SSW
6/27/2023 12:15:00	10.3	10.5	0.2	0.00	0.00	0.00	2.2	WSW
6/27/2023 12:16:00	10.3	10.4	0.1	0.00	0.00	0.00	2.1	WSW
6/27/2023 12:17:00	10.3	10.4	0.0	0.00	0.00	0.00	2.1	WSW
6/27/2023 12:18:00	10.4	10.3	-0.1	0.00	0.00	0.00	2.0	SSE
6/27/2023 12:19:00	10.3	10.3	-0.1	0.00	0.00	0.00	1.9	WSW
6/27/2023 12:20:00	10.3	10.2	0.0	0.00	0.00	0.00	1.9	WNW
6/27/2023 12:21:00	10.2	10.1	-0.1	0.00	0.00	0.00	1.9	WNW
6/27/2023 12:22:00	10.2	10.0	-0.1	0.00	0.00	0.00	1.8	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
6/27/2023 12:23:00	10.1	9.9	-0.2	0.00	0.00	0.00	1.9	W
6/27/2023 12:24:00	10.1	9.8	-0.3	0.00	0.00	0.00	1.8	WSW
6/27/2023 12:25:00	10.1	9.7	-0.4	0.00	0.00	0.00	1.8	WNW
6/27/2023 12:26:00	10.1	9.7	-0.4	0.00	0.00	0.00	1.8	W
6/27/2023 12:27:00	10.0	9.7	-0.3	0.00	0.00	0.00	1.8	NW
6/27/2023 12:28:00	10.0	9.7	-0.3	0.00	0.00	0.00	1.8	WNW
6/27/2023 12:29:00	9.9	9.7	-0.2	0.00	0.00	0.00	1.8	WNW
6/27/2023 12:30:00	9.8	9.7	-0.1	0.00	0.00	0.00	1.7	W
6/27/2023 12:31:00	9.8	9.7	-0.1	0.00	0.00	0.00	1.7	WSW
6/27/2023 12:32:00	9.8	9.7	-0.1	0.00	0.00	0.00	1.7	NW
6/27/2023 12:33:00	9.8	9.8	0.0	0.00	0.00	0.00	1.8	WSW
6/27/2023 12:34:00	9.9	9.8	-0.1	0.00	0.00	0.00	1.8	WNW
6/27/2023 12:35:00	10.0	9.8	-0.3	0.00	0.00	0.00	1.8	SW
6/27/2023 12:36:00	10.2	9.8	-0.5	0.00	0.00	0.00	1.8	WSW
6/27/2023 12:37:00	10.6	9.8	-0.8	0.00	0.00	0.00	1.7	WSW
6/27/2023 12:38:00	10.9	10.0	-0.8	0.00	0.00	0.00	1.7	W
6/27/2023 12:39:00	11.4	10.2	-1.2	0.00	0.00	0.00	1.7	W
6/27/2023 12:40:00	11.8	10.6	-1.2	0.00	0.00	0.00	1.6	WSW
6/27/2023 12:41:00	12.5	10.8	-1.7	0.00	0.00	0.00	1.6	SSW
6/27/2023 12:42:00	13.0	10.9	-2.1	0.00	0.00	0.00	1.6	WSW
6/27/2023 12:43:00	13.4	11.0	-2.4	0.00	0.00	0.00	1.6	W
6/27/2023 12:44:00	13.7	11.1	-2.6	0.00	0.00	0.00	1.6	W
6/27/2023 12:45:00	14.0	11.2	-2.8	0.00	0.00	0.00	1.7	W
6/27/2023 12:46:00	14.2	11.3	-3.0	0.00	0.00	0.00	1.7	SW
6/27/2023 12:47:00	14.5	11.8	-2.7	0.00	0.00	0.00	1.6	WNW
6/27/2023 12:48:00	14.7	14.0	-0.8	0.00	0.00	0.00	1.6	SSW
6/27/2023 12:49:00	15.6	17.1	1.5	0.00	0.00	0.00	1.5	W
6/27/2023 12:50:00	16.6	18.9	2.3	0.00	0.00	0.00	1.6	WSW
6/27/2023 12:51:00	17.9	20.2	2.3	0.00	0.00	0.00	1.6	WSW
6/27/2023 12:52:00	18.8	21.0	2.2	0.00	0.00	0.00	1.6	SW
6/27/2023 12:53:00	19.3	21.0	1.6	0.00	0.00	0.00	1.7	W
6/27/2023 12:54:00	20.2	21.0	0.7	0.00	0.00	0.00	1.7	W
6/27/2023 12:55:00	22.0	20.7	-1.2	0.00	0.00	0.00	1.8	W

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/27/2023 12:56:00	22.8	20.6	-2.2	0.00	0.00	0.00	1.8	WSW
6/27/2023 12:57:00	23.0	20.7	-2.4	0.00	0.00	0.00	2.0	W
6/27/2023 12:58:00	23.4	20.6	-2.8	0.00	0.00	0.00	2.0	WSW
6/27/2023 12:59:00	23.9	20.5	-3.4	0.00	0.00	0.00	2.1	W
6/27/2023 13:00:00	25.0	20.6	-4.4	0.00	0.00	0.00	2.1	WNW
6/27/2023 13:01:00	25.8	20.7	-5.1	0.00	0.00	0.00	2.1	WSW
6/27/2023 13:02:00	26.4	20.3	-6.1	0.00	0.00	0.00	2.2	W
6/27/2023 13:03:00	26.8	18.3	-8.6	0.00	0.00	0.00	2.2	W
6/27/2023 13:04:00	26.0	16.0	-10.1	0.00	0.00	0.00	2.3	WNW
6/27/2023 13:05:00	25.0	14.9	-10.1	0.00	0.00	0.00	2.5	WNW
6/27/2023 13:06:00	24.4	13.8	-10.7	0.00	0.00	0.00	2.6	W
6/27/2023 13:07:00	24.8	13.1	-11.7	0.00	0.00	0.00	2.7	WNW
6/27/2023 13:08:00	24.9	13.0	-12.0	0.00	0.00	0.00	2.5	W
6/27/2023 13:09:00	23.7	13.8	-9.8	0.00	0.00	0.00	2.7	NW
6/27/2023 13:10:00	23.0	13.7	-9.2	0.00	0.00	0.00	2.8	W
6/27/2023 13:11:00	23.4	13.8	-9.6	0.00	0.00	0.00	2.8	SSW
6/27/2023 13:12:00	24.3	13.8	-10.4	0.00	0.00	0.00	2.7	W
6/27/2023 13:13:00	24.6	14.1	-10.6	0.00	0.00	0.00	2.7	SW
6/27/2023 13:14:00	24.4	14.4	-10.0	0.00	0.00	0.00	2.5	W
6/27/2023 13:15:00	23.4	15.0	-8.4	0.00	0.00	0.00	2.4	NW
6/27/2023 13:16:00	22.6	15.7	-6.9	0.00	0.00	0.00	2.4	NNW
6/27/2023 13:17:00	22.2	15.9	-6.2	0.00	0.00	0.00	2.2	SE
6/27/2023 13:18:00	22.9	16.4	-6.5	0.00	0.00	0.00	2.3	NW
6/27/2023 13:19:00	24.3	27.9	3.7	0.00	0.00	0.00	2.1	WSW
6/27/2023 13:20:00	27.0	33.2	6.2	0.00	0.00	0.00	1.9	W
6/27/2023 13:21:00	28.4	37.2	8.8	0.00	0.00	0.00	1.8	W
6/27/2023 13:22:00	29.1	37.9	8.8	0.00	0.00	0.00	1.8	WSW
6/27/2023 13:23:00	29.4	38.9	9.5	0.00	0.00	0.00	1.8	W
6/27/2023 13:24:00	29.6	38.8	9.2	0.00	0.00	0.00	1.5	WNW
6/27/2023 13:25:00	28.6	38.8	10.2	0.00	0.00	0.00	1.4	WSW
6/27/2023 13:26:00	26.9	38.8	11.9	0.00	0.00	0.00	1.5	SW
6/27/2023 13:27:00	25.5	38.7	13.3	0.00	0.00	0.00	1.4	SSW
6/27/2023 13:28:00	24.7	38.6	13.9	0.00	0.00	0.00	1.4	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
6/27/2023 13:29:00	24.8	38.4	13.6	0.00	0.00	0.00	1.4	SW
6/27/2023 13:30:00	25.3	37.6	12.3	0.00	0.00	0.00	1.4	SW
6/27/2023 13:31:00	25.6	36.8	11.2	0.00	0.00	0.00	1.5	SSW
6/27/2023 13:32:00	26.1	36.5	10.5	0.00	0.00	0.00	1.5	SSW
6/27/2023 13:33:00	24.8	36.0	11.1	0.00	0.00	0.00	1.4	SE
6/27/2023 13:34:00	23.5	23.7	0.2	0.00	0.00	0.00	1.5	S
6/27/2023 13:35:00	20.6	17.8	-2.8	0.00	0.00	0.00	1.5	SSW
6/27/2023 13:36:00	18.5	13.7	-4.8	0.00	0.00	0.00	1.5	SSW
6/27/2023 13:37:00	17.0	12.9	-4.1	0.00	0.00	0.00	1.5	SSW
6/27/2023 13:38:00	17.7	11.9	-5.8	0.00	0.00	0.00	1.5	SW
6/27/2023 13:39:00	18.7	11.1	-7.6	0.00	0.00	0.00	1.6	WSW
6/27/2023 13:40:00	19.0	11.0	-8.0	0.00	0.00	0.00	1.5	WNW
6/27/2023 13:41:00	19.1	10.9	-8.1	0.00	0.00	0.00	1.5	WSW
6/27/2023 13:42:00	18.9	10.7	-8.2	0.00	0.00	0.00	1.6	W
6/27/2023 13:43:00	18.7	10.5	-8.1	0.00	0.00	0.00	1.6	W
6/27/2023 13:44:00	18.0	10.4	-7.5	0.00	0.00	0.00	1.6	WNW
6/27/2023 13:45:00	17.1	10.3	-6.8	0.00	0.00	0.00	1.5	ESE
6/27/2023 13:46:00	16.4	10.2	-6.2	0.00	0.00	0.00	1.5	WSW
6/27/2023 13:47:00	15.6	10.1	-5.4	0.00	0.00	0.00	1.5	NW
6/27/2023 13:48:00	15.2	10.0	-5.2	0.00	0.00	0.00	1.5	NW
6/27/2023 13:49:00	15.0	9.9	-5.1	0.00	0.00	0.00	1.5	NW
6/27/2023 13:50:00	14.9	9.7	-5.2	0.00	0.00	0.00	1.5	W
6/27/2023 13:51:00	14.6	10.8	-3.8	0.00	0.00	0.00	1.4	SW
6/27/2023 13:52:00	16.2	10.9	-5.4	0.00	0.00	0.00	1.3	NE
6/27/2023 13:53:00	14.7	11.8	-2.9	0.00	0.00	0.00	1.3	E
6/27/2023 13:54:00	13.5	12.6	-0.9	0.00	0.00	0.00	1.2	ESE
6/27/2023 13:55:00	13.5	13.3	-0.2	0.00	0.00	0.00	1.1	E
6/27/2023 13:56:00	14.1	13.9	-0.3	0.00	0.00	0.00	1.1	ENE
6/27/2023 13:57:00	14.7	14.3	-0.4	0.00	0.00	0.00	0.9	ENE
6/27/2023 13:58:00	16.0	14.9	-1.0	0.00	0.00	0.00	0.9	W
6/27/2023 13:59:00	17.1	15.7	-1.4	0.00	0.00	0.00	0.9	W
6/27/2023 14:00:00	17.1	15.9	-1.2	0.00	0.00	0.00	1.0	E
6/27/2023 14:01:00	17.0	15.8	-1.2	0.00	0.00	0.00	0.9	WSW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/27/2023 14:02:00	16.8	15.6	-1.2	0.00	0.00	0.00	1.0	ENE
6/27/2023 14:03:00	16.7	15.4	-1.3	0.00	0.00	0.00	1.0	W
6/27/2023 14:04:00	16.5	15.3	-1.2	0.00	0.00	0.00	1.0	WNW
6/27/2023 14:05:00	16.4	15.0	-1.4	0.00	0.00	0.00	1.0	NNE
6/27/2023 14:06:00	16.3	13.7	-2.6	0.00	0.00	0.00	1.0	NW
6/27/2023 14:07:00	13.8	13.4	-0.4	0.00	0.00	0.00	1.0	WSW
6/27/2023 14:08:00	13.2	12.2	-1.0	0.00	0.00	0.00	1.0	NW
6/27/2023 14:09:00	12.7	11.1	-1.6	0.00	0.00	0.00	1.0	NW
6/27/2023 14:10:00	11.7	10.2	-1.5	0.00	0.00	0.00	1.0	WSW
6/27/2023 14:11:00	10.6	10.9	0.3	0.00	0.00	0.00	1.0	WSW
6/27/2023 14:12:00	9.7	10.7	0.9	0.00	0.00	0.00	1.0	W
6/27/2023 14:13:00	8.4	10.8	2.3	0.00	0.00	0.00	1.0	ENE
6/27/2023 14:14:00	7.3	11.6	4.3	0.00	0.00	0.00	0.9	ESE
6/27/2023 14:15:00	8.2	11.3	3.1	0.00	0.00	0.00	0.9	ESE
6/27/2023 14:16:00	8.6	11.5	2.9	0.00	0.00	0.00	0.9	SSE
6/27/2023 14:17:00	9.3	12.6	3.3	0.00	0.00	0.00	0.9	ENE
6/27/2023 14:18:00	9.4	13.6	4.2	0.00	0.00	0.00	0.8	NNW
6/27/2023 14:19:00	9.8	15.2	5.4	0.00	0.00	0.00	0.8	WNW
6/27/2023 14:20:00	10.4	16.1	5.8	0.00	0.00	0.00	0.8	W
6/27/2023 14:21:00	10.7	16.7	6.0	0.00	0.00	0.00	0.8	WNW
6/27/2023 14:22:00	11.3	17.2	5.9	0.00	0.00	0.00	0.8	WSW
6/27/2023 14:23:00	12.9	18.9	6.0	0.00	0.00	0.00	0.9	WSW
6/27/2023 14:24:00	15.0	22.1	7.1	0.00	0.00	0.00	1.0	SW
6/27/2023 14:25:00	16.2	24.9	8.8	0.00	0.00	0.00	1.0	SW
6/27/2023 14:26:00	16.8	25.1	8.3	0.00	0.00	0.00	1.0	SW
6/27/2023 14:27:00	17.6	25.1	7.4	0.00	0.00	0.00	1.1	N
6/27/2023 14:28:00	18.1	24.9	6.8	0.00	0.00	0.00	1.1	SW
6/27/2023 14:29:00	18.3	25.5	7.1	0.00	0.00	0.00	1.1	SW
6/27/2023 14:30:00	17.4	26.6	9.3	0.00	0.00	0.00	1.1	SW
6/27/2023 14:31:00	17.0	27.5	10.5	0.00	0.00	0.00	1.1	WSW
6/27/2023 14:32:00	16.3	28.5	12.2	0.00	0.00	0.00	1.1	WNW
6/27/2023 14:33:00	16.4	29.0	12.6	0.00	0.00	0.00	1.1	WNW
6/27/2023 14:34:00	16.3	28.0	11.6	0.00	0.00	0.00	1.1	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
6/27/2023 14:35:00	15.9	27.4	11.4	0.00	0.00	0.00	1.1	NNW
6/27/2023 14:36:00	15.9	27.2	11.2	0.00	0.00	0.00	1.1	WNW
6/27/2023 14:37:00	15.9	27.2	11.3	0.00	0.00	0.00	1.3	W
6/27/2023 14:38:00	14.7	26.0	11.2	0.00	0.00	0.00	1.3	W
6/27/2023 14:39:00	13.1	23.4	10.3	0.00	0.00	0.00	1.4	NW
6/27/2023 14:40:00	12.6	21.0	8.4	0.00	0.00	0.00	1.4	W
6/27/2023 14:41:00	12.2	20.1	7.9	0.00	0.00	0.00	1.5	WNW
6/27/2023 14:42:00	12.3	20.0	7.8	0.00	0.00	0.00	1.6	S
6/27/2023 14:43:00	12.7	19.5	6.8	0.00	0.00	0.00	1.6	S
6/27/2023 14:44:00	13.2	17.3	4.1	0.00	0.00	0.00	1.6	WSW
6/27/2023 14:45:00	13.9	16.1	2.2	0.00	0.00	0.00	1.6	SE
6/27/2023 14:46:00	15.1	15.4	0.3	0.00	0.00	0.00	1.7	SSW
6/27/2023 14:47:00	16.5	13.6	-2.9	0.00	0.00	0.00	1.7	SSW
6/27/2023 14:48:00	18.1	12.4	-5.8	0.00	0.00	0.00	1.7	SW
6/27/2023 14:49:00	18.1	13.0	-5.0	0.00	0.00	0.00	1.8	NW
6/27/2023 14:50:00	18.4	13.0	-5.5	0.00	0.00	0.00	1.7	W
6/27/2023 14:51:00	18.2	13.2	-5.0	0.00	0.00	0.00	1.6	ESE
6/27/2023 14:52:00	18.1	13.0	-5.0	0.00	0.00	0.00	1.5	SE
6/27/2023 14:53:00	18.1	12.9	-5.2	0.00	0.00	0.00	1.5	WNW
6/27/2023 14:54:00	18.2	12.8	-5.4	0.00	0.00	0.00	1.5	WNW
6/27/2023 14:55:00	18.1	14.6	-3.5	0.00	0.00	0.00	1.5	WSW
6/27/2023 14:56:00	18.4	17.5	-1.0	0.00	0.00	0.00	1.4	W
6/27/2023 14:57:00	19.7	17.6	-2.1	0.00	0.00	0.00	1.4	NW
6/27/2023 14:58:00	19.8	20.2	0.4	0.00	0.00	0.00	1.4	SW
6/27/2023 14:59:00	20.1	23.2	3.1	0.00	0.00	0.00	1.4	WSW
6/27/2023 15:00:00	20.0	25.9	5.8	0.00	0.00	0.00	1.4	SSW
6/27/2023 15:01:00	20.8	26.6	5.8	0.00	0.00	0.00	1.4	WNW
6/27/2023 15:02:00				0.00	0.00	0.00	1.4	WSW
6/27/2023 15:03:00				0.00	0.00	0.00	1.4	W
6/27/2023 15:04:00	10.4	0.0	-10.4	0.00	0.00	0.00	1.4	WNW
6/27/2023 15:05:00	10.7	0.0	-10.7	0.00	0.00	0.00	1.4	W
6/27/2023 15:06:00	10.6	0.0	-10.6	0.00	0.00	0.00	1.5	WNW
6/27/2023 15:07:00	10.6	3.2	-7.4	0.00	0.00	0.00	1.5	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
6/27/2023 15:08:00	10.5	5.0	-5.5	0.00	0.00	0.00	1.5	NNE
6/27/2023 15:09:00	10.8	6.3	-4.5	0.00	0.00	0.00	1.4	W
6/27/2023 15:10:00	11.2	7.7	-3.5	0.00	0.00	0.00	1.3	SW
6/27/2023 15:11:00	13.5	7.9	-5.6	0.00	0.00	0.00	1.3	SSW
6/27/2023 15:12:00	15.1	8.5	-6.6	0.00	0.00	0.00	1.2	S
6/27/2023 15:13:00	15.3	8.8	-6.5	0.00	0.00	0.00	1.2	SW
6/27/2023 15:14:00	15.3	9.0	-6.3	0.00	0.00	0.00	1.2	WNW
6/27/2023 15:15:00	14.8	9.2	-5.6	0.00	0.00	0.00	1.2	E
6/27/2023 15:16:00	14.5	9.3	-5.2	0.00	0.00	0.00	1.2	S
6/27/2023 15:17:00	14.2	9.3	-4.8	0.00	0.00	0.00	1.2	S
6/27/2023 15:18:00	13.9	9.4	-4.5	0.00	0.00	0.00	1.2	W
6/27/2023 15:19:00	13.9	10.1	-3.9	0.00	0.00	0.00	1.3	WNW
6/27/2023 15:20:00	14.0	10.8	-3.3	0.00	0.00	0.00	1.3	WNW
6/27/2023 15:21:00	14.4	11.5	-2.9	0.00	0.00	0.00	1.3	WSW
6/27/2023 15:22:00	14.4	12.5	-1.9	0.00	0.00	0.00	1.3	NW
6/27/2023 15:23:00	14.7	13.2	-1.4	0.00	0.00	0.00	1.2	WNW
6/27/2023 15:24:00	14.7	13.6	-1.1	0.00	0.00	0.00	1.2	NW
6/27/2023 15:25:00	15.1	13.3	-1.8	0.00	0.00	0.00	1.1	WSW