

**SPS Technologies Air Monitoring,  
Jenkintown, PA  
TRC Project 658978 Phase 000003**

**Biweekly Data Report for the  
Period May 17 – May 30, 2025**

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## **1.0 Introduction and Background**

This Biweekly Data Report for the period between May 17, 2025, and May 30, 2025 (Biweekly Report) was prepared by TRC Environmental Corporation, Inc. (TRC), on behalf of SPS Technologies, LLC (SPS). The SPS facility is located at 301 Highland Avenue in Jenkintown, PA 19046 (Site). This Biweekly Report was prepared to summarize the results of air monitoring that was conducted between May 17, 2025, and May 30, 2025, pursuant to the Air Monitoring Plan dated May 7, 2025 (AMP), as amended.

### **1.1 Site Background**

The Site is currently owned by SPS. On February 17, 2025, a fire broke out at the facility causing major damage and a cessation of operation. Prior to the fire, facility operations consisted of the manufacturing of high strength nuts, bolts, and associated products, primarily for aerospace applications. Air monitoring was initially conducted around the perimeter of the facility and adjacent residential areas in accordance with the Air Sampling and Analysis Plan dated February 23, 2025, as amended, to quantify the potential release of fugitive emissions from the fire for analytes associated with facility operations, based on the facility's Tier II reports. On April 9, 2025, SPS began conducting air monitoring pursuant to the Air Monitoring Plan dated March 25, 2025, due to the shift in onsite activities, from emergency response into debris removal and deconstruction activities. As of May 19, 2025, air monitoring is now being conducted pursuant to the Air Monitoring Plan dated May 7, 2025, as amended.

### **1.2 Air sampling methodology**

Air monitoring is being conducted during demolition activities at the Site and in the adjacent community in accordance with the AMP. The monitoring includes meteorological monitoring, particulate monitoring and asbestos sampling and analyses.

The AirMar Wind Sonic Sensor is continuously monitoring temperature, relative humidity, barometric pressure, wind speed and wind direction at one location located at the northwest direction of the Site.

Particulate matter, as PM<sub>10</sub>, is continuously monitored using Aeroqual's Dust Sentry. The Dust Sentry operates as a forward light scattering nephelometer to detect the concentration of suspended particulates.

Asbestos samples are collected and analyzed in accordance with NIOSH Method 7400. Samples are collected on a daily basis at all stations in the network. In accordance with the AMP, all perimeter samples were analyzed each day during this report period. Once received by the laboratory, the filters are analyzed by NIOSH method 7400, and if results are greater (>) than 0.01 fibers per cubic centimeter, further analysis via NIOSH Method 7402 was conducted.

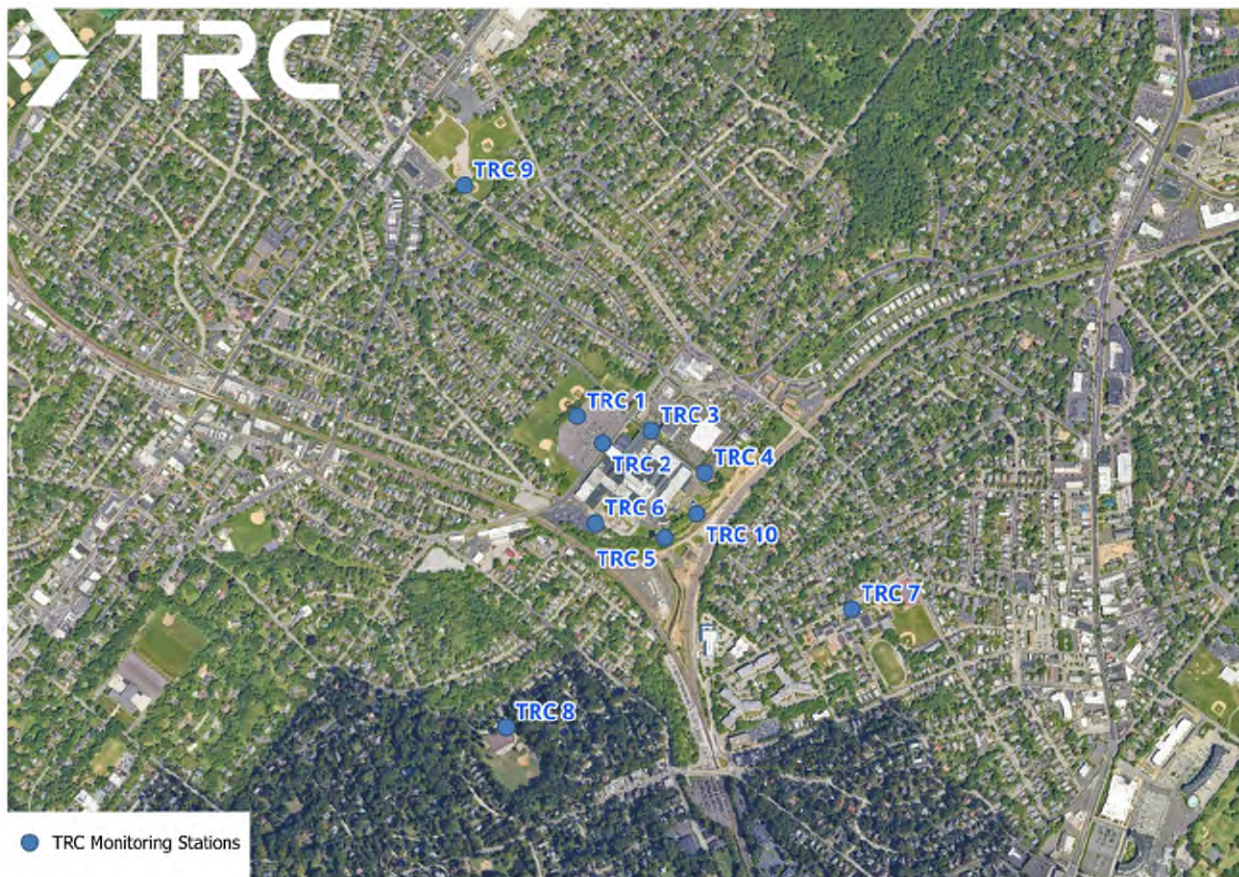


## 2.0 Network Design and Monitoring Locations

The air monitoring network is currently comprised of seven (7) stations oriented along the perimeter of the Site (as described below) and three (3) stations in the surrounding community. PM<sub>10</sub> concentrations are monitored continuously at each monitoring location. Meteorological data are collected concurrently to include the following parameters: wind speed, wind direction, barometric pressure, relative humidity, and temperature.

The monitoring locations for the ten-station network are identified in Figure 1. These include seven (7) stations, (TRC 1-6, and TRC 10), along the perimeter of the Site and three additional stations (TRC 7-9) in the surrounding community. Nine (9) stations have been operational since April 9, 2025. An additional station, TRC 10, was added to the monitoring network during this reporting period and it has been operational since May 19, 2025.

*Figure 1: Air Monitoring Network Schematic*



### **3.0 Summary of Site Activities During Report Period**

During the Reporting Period, SPS continued to perform deconstruction and decontamination activities and began demolition of the building. Activities included, but were not limited to, the relocation of hazardous waste to hazardous waste storage area, asbestos abatement in areas that were known or suspected to have asbestos-containing material, recovery of scrap metal for reclamation, and the demolition of Phases I, 2, and 3.

## **4.0 Data Analyses and Reporting Summary**

### **4.1 Station Specific Data Tables**

Table 1 summarizes PM<sub>10</sub> data daily average concentrations (24 hour), in units of ug/m<sup>3</sup>, for the calendar period May 17 – May 30, 2025. There were no exceedances of the Action Level of 150 ug/m<sup>3</sup> as a 15-minute average during the reporting period May 17 – May 30, 2025.

Summary of the Asbestos air sample results is presented in Table 2. As shown PCM results for all samples were < 0.01 fibers per cubic centimeter and further analyses by TEM were not warranted. The asbestos samples were collected daily at all nine station locations during the period May 17-19 and at all ten stations for the remainder of the period ending May 30, 2025. No asbestos sampling was conducted on May 25 and 26, 2025, as no activities occurred at the Site on these days. All perimeter samples were analyzed after each 8-hour sampling event.

### **4.2 Station Specific Graphical Summary**

Figure 2 represents PM<sub>10</sub> data plots of daily averages (24 hours) as compared to the NAAQS for PM<sub>10</sub> of 150 ug/m<sup>3</sup> (24-hour average).

Table 1: PM<sub>10</sub> Daily Average Concentrations (ug/m<sup>3</sup>)

Date	Site IDs										PM <sub>10</sub> NAAQS
	TRC-1	TRC-2	TRC-3	TRC-4	TRC-5	TRC-6	TRC-7	TRC-8	TRC-9	TRC-10	
5/17/2025	13.47	17.34	14.6	15.26	16.99	14.3	14.82	15.35	16.55	*	150
5/18/2025	3.69	3.81	4.05	4.27	4.43	4.31	3.95	4.35	4.64	*	150
5/19/2025	3.47	4.48	4.44	4.45	5.8	3.81	3.9	3.91	4.54	14.9	150
5/20/2025	2.83	3.41	4.58	3.29	4.12	3.83	3.39	3.3	3.52	8.06	150
5/21/2025	4.6	5.81	5.02	4.17	5.05	4.82	4.34	4.43	4.56	5.92	150
5/22/2025	2.02	3.4	2.07	2.03	2.88	2.77	2.1	2.44	2.3	3.23	150
5/23/2025	4.5	7.59	6.88	5.9	8.43	4.76	5.25	6.17	6.4	10.69	150
5/24/2025	1.76	2.21	1.92	2.45	4.34	2.03	1.98	1.75	2.31	8.41	150
5/25/2025	2.25	2.78	2.09	2.12	2.78	2.23	2.09	2.38	2.52	3.12	150
5/26/2025	2.86	4.26	2.92	3.06	3.87	2.83	3.01	3.23	3.58	4.2	150
5/27/2025	5.29	7.86	7.98	6.1	6.76	6.11	5.5	5.59	6.79	8.04	150
5/28/2025	3.67	5.23	3.63	3.6	4.78	3.91	3.64	3.74	4.01	5.3	150
5/29/2025	2.88	4.51	3.87	3.93	6.05	3.68	4	3.61	4.05	5.74	150
5/30/2025	11.07	18.57	15.91	13.55	16.23	11.65	12.98	13.1	14.65	17.46	150

\*The station started operating on May 19, 2025. Therefore, the daily averages for May 17 and May 18 are not available.

*Table 2: Results of Asbestos analysis (f/cc)*

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
05/17/25	Perimeter	TRC 6	07:16	14:23	1708	0.0016	0.0026
05/17/25	Perimeter	TRC 5	07:22	14:29	1708	0.0016	0.0017
05/17/25	Perimeter	TRC 4	07:27	14:36	1716	0.0016	0.0024
05/17/25	Perimeter	TRC 3	07:34	14:42	1712	0.0016	0.0039
05/17/25	Perimeter	TRC 2	07:45	14:51	1704	0.0016	<LOD
05/17/25	Perimeter	TRC 1	07:40	14:46	1704	0.0016	0.0032
05/18/25	Perimeter	TRC 6	07:19	14:28	1716	0.0016	<LOD
05/18/25	Perimeter	TRC 5	07:25	14:32	1708	0.0016	0.002
05/18/25	Perimeter	TRC 4	07:32	14:38	1704	0.0016	<LOD
05/18/25	Perimeter	TRC 3	07:39	14:45	1704	0.0016	<LOD
05/18/25	Perimeter	TRC 2	07:51	14:59	1712	0.0016	0.0026
05/18/25	Perimeter	TRC 1	07:46	14:54	1712	0.0016	<LOD
05/19/25	Perimeter	TRC 1	06:43	14:02	1756	0.0015	0.0028
05/19/25	Perimeter	TRC 2	06:49	14:08	1756	0.0015	<LOD
05/19/25	Perimeter	TRC 3	06:58	14:13	1740	0.0016	0.0017
05/19/25	Perimeter	TRC 4	07:04	14:18	1736	0.0016	0.0023
05/19/25	Perimeter	TRC 5	07:12	14:26	1736	0.0016	0.0027
05/19/25	Perimeter	TRC 6	07:19	14:32	1732	0.0016	0.003
05/20/25	Perimeter	TRC 1	06:56	14:00	1696	0.0016	<LOD



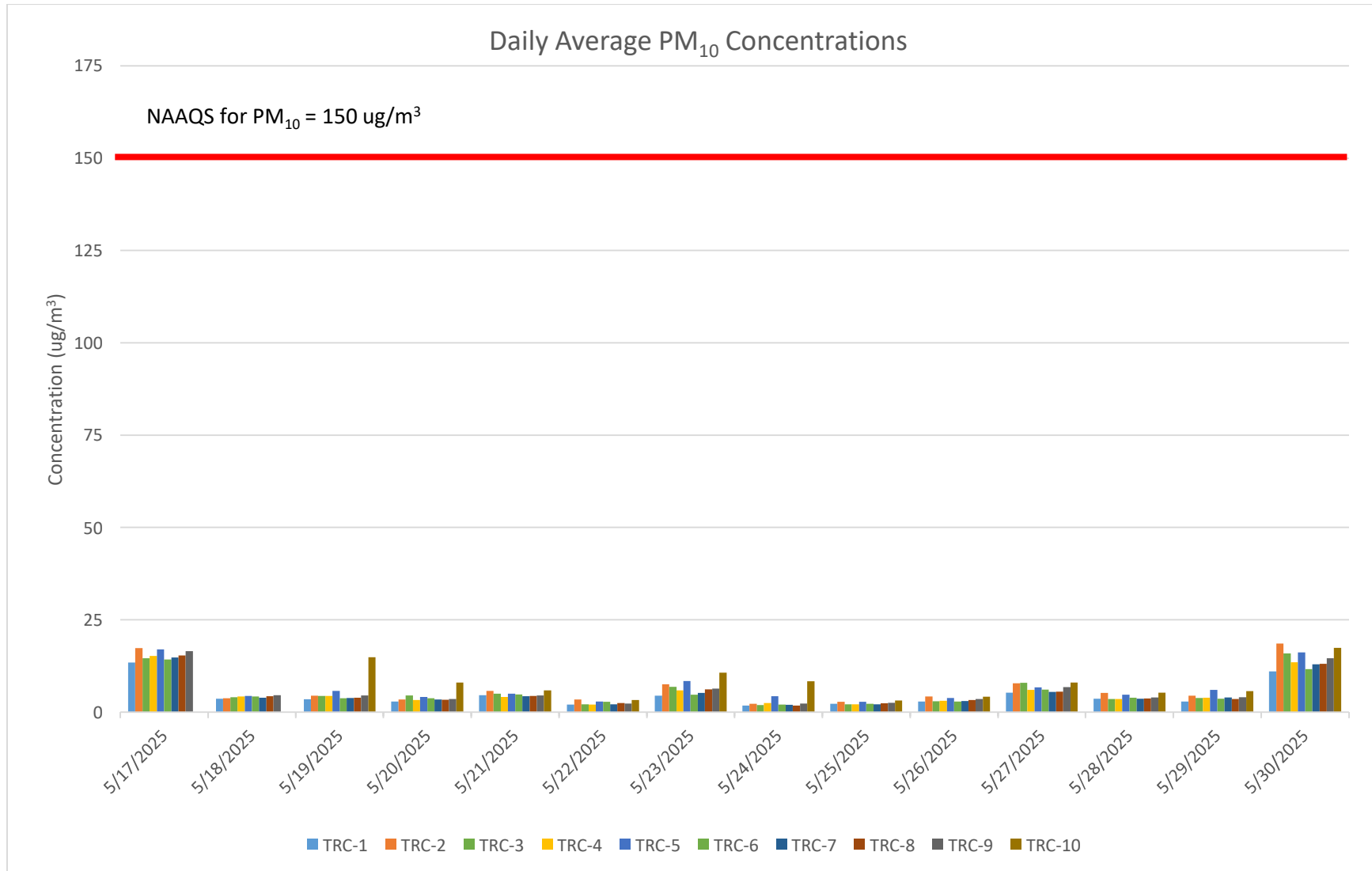
Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
05/20/25	Perimeter	TRC 2	07:01	14:05	1696	0.0016	<LOD
05/20/25	Perimeter	TRC 3	07:07	14:10	1692	0.0016	<LOD
05/20/25	Perimeter	TRC 4	07:12	14:16	1696	0.0016	<LOD
05/20/25	Perimeter	TRC 5	07:19	14:22	1692	0.0016	<LOD
05/20/25	Perimeter	TRC 10	07:25	14:27	1688	0.0016	<LOD
05/20/25	Perimeter	TRC 6	07:29	14:30	1684	0.0016	<LOD
05/21/25	Perimeter	TRC 1	06:55	13:58	1692	0.0016	0.0019
05/21/25	Perimeter	TRC 2	07:00	14:03	1692	0.0016	0.0029
05/21/25	Perimeter	TRC 3	07:06	14:09	1692	0.0016	0.0023
05/21/25	Perimeter	TRC 4	07:13	14:12	1676	0.0016	0.0041
05/21/25	Perimeter	TRC 10	07:19	14:17	1672	0.0016	0.0032
05/21/25	Perimeter	TRC 5	07:26	14:26	1680	0.0016	0.0036
05/21/25	Perimeter	TRC 6	07:33	14:33	1680	0.0016	0.002
05/22/25	Perimeter	TRC 1	06:56	14:01	1700	0.0016	<LOD
05/22/25	Perimeter	TRC 2	07:03	14:05	1688	0.0016	<LOD
05/22/25	Perimeter	TRC 3	07:12	14:12	1680	0.0016	0.0018
05/22/25	Perimeter	TRC 4	07:18	14:19	1684	0.0016	<LOD
05/22/25	Perimeter	TRC 10	07:24	14:24	1680	0.0016	<LOD
05/22/25	Perimeter	TRC 5	07:31	14:32	1684	0.0016	<LOD
05/22/25	Perimeter	TRC 6	07:37	14:38	1684	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
05/23/25	Perimeter	TRC 1	07:02	14:02	1680	0.0016	0.002
05/23/25	Perimeter	TRC 2	07:07	14:07	1680	0.0016	0.0025
05/23/25	Perimeter	TRC 3	07:13	14:13	1680	0.0016	0.002
05/23/25	Perimeter	TRC 4	07:18	14:18	1680	0.0016	0.0018
05/23/25	Perimeter	TRC 10	07:23	14:23	1680	0.0016	0.0023
05/23/25	Perimeter	TRC 5	07:32	14:32	1680	0.0016	0.0035
05/23/25	Perimeter	TRC 6	07:38	14:38	1680	0.0016	0.0037
05/24/25	Perimeter	TRC 1	07:09	14:07	1672	0.0016	<LOD
05/24/25	Perimeter	TRC 10	07:18	14:43	1780	0.0015	<LOD
05/24/25	Perimeter	TRC 2	07:11	14:09	1672	0.0016	<LOD
05/24/25	Perimeter	TRC 3	07:13	14:39	1784	0.0015	<LOD
05/24/25	Perimeter	TRC 4	07:17	14:41	1776	0.0015	<LOD
05/24/25	Perimeter	TRC 5	07:03	14:18	1740	0.0016	<LOD
05/24/25	Perimeter	TRC 6	06:57	14:15	1752	0.0015	<LOD
05/27/25	Perimeter	TRC 1	07:05	14:27	1768	0.0015	<LOD
05/27/25	Perimeter	TRC 10	07:15	14:41	1784	0.0015	<LOD
05/27/25	Perimeter	TRC 2	07:08	14:29	1764	0.0015	<LOD
05/27/25	Perimeter	TRC 3	07:11	14:36	1780	0.0015	<LOD
05/27/25	Perimeter	TRC 4	07:13	14:39	1784	0.0015	<LOD
05/27/25	Perimeter	TRC 5	07:21	14:45	1776	0.0015	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
05/27/25	Perimeter	TRC 6	07:25	14:49	1776	0.0015	<LOD
05/28/25	Perimeter	TRC 1	07:19	14:24	1700	0.0016	0.0032
05/28/25	Perimeter	TRC 2	07:22	14:26	1696	0.0016	0.0035
05/28/25	Perimeter	TRC 10	07:29	14:33	1696	0.0016	0.0049
05/28/25	Perimeter	TRC 3	07:25	14:29	1696	0.0016	0.0055
05/28/25	Perimeter	TRC 4	07:27	14:31	1696	0.0016	0.0064
05/28/25	Perimeter	TRC 5	07:35	14:41	1704	0.0016	0.005
05/28/25	Perimeter	TRC 6	07:38	14:43	1700	0.0016	0.0036
05/29/25	Perimeter	TRC 1	08:18	15:16	1672	0.0016	<LOD
05/29/25	Perimeter	TRC 2	08:21	15:19	1672	0.0016	<LOD
05/29/25	Perimeter	TRC 10	08:29	15:30	1684	0.0016	<LOD
05/29/25	Perimeter	TRC 3	08:22	15:21	1676	0.0016	<LOD
05/29/25	Perimeter	TRC 4	08:27	15:28	1684	0.0016	<LOD
05/29/25	Perimeter	TRC 5	08:37	15:37	1680	0.0016	<LOD
05/29/25	Perimeter	TRC 6	08:41	15:41	1680	0.0016	<LOD
05/30/25	Perimeter	TRC 1	08:20	15:20	1680	0.0016	<LOD
05/30/25	Perimeter	TRC 2	08:22	15:23	1684	0.0016	<LOD
05/30/25	Perimeter	TRC 10	08:30	15:30	1680	0.0016	<LOD
05/30/25	Perimeter	TRC 3	08:26	15:26	1680	0.0016	<LOD
05/30/25	Perimeter	TRC 4	08:29	15:29	1680	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
05/30/25	Perimeter	TRC 5	08:36	15:36	1680	0.0016	<LOD
05/30/25	Perimeter	TRC 6	08:40	15:40	1680	0.0016	<LOD

Figure 2: Daily Average PM<sub>10</sub> Concentrations





### 4.3 Meteorological Data

Data from the on-site meteorological station was not available during the period May 17 -19, 2025, due to a sensor fault issue. This has been remedied such that this does not occur in the future. As a result, meteorological data from May 17 through May 19, 2025, were obtained from the National Weather Service (NWS) station in place at Northwest Philadelphia Airport and is presented as a wind rose plot in Figure 3, and data from the on-site meteorological station from May 19 through the end of the reporting period is presented as wind rose is Figure 4. A wind rose plot is a graphic representation of the wind distribution. The spokes in the wind rose plot show the greatest frequency of the wind direction (originating from) and the colored bands show the range of wind speed. Additionally, values below the lowest wind speed range are reported as calm conditions and listed as a percentage of the total winds.

Figure 3. Composite Wind Rose May 17 – May 19, 2025

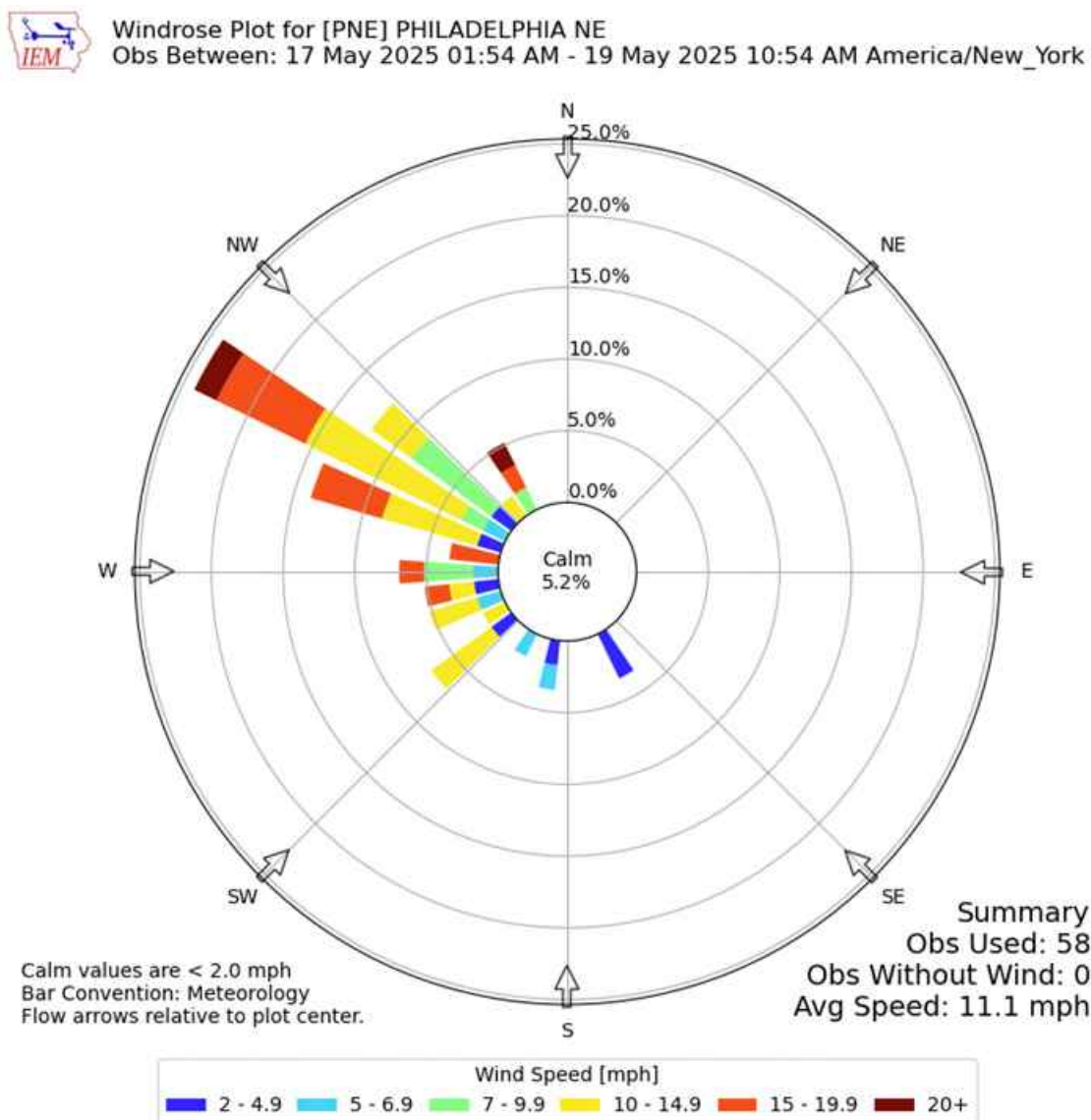


Figure 4: Composite Wind Rose May 19 – May 30, 2025

