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

Biweekly Data Report for the Period August 9 – August 22, 2025

Prepared For:

SPS Technologies, Jenkintown, PA

Prepared By:

TRC Environmental Corporation
140 S. Village Avenue
Suite 130
Exton, PA 19341

TABLE OF CONTENTS

FIGURES

TABLES

1.0 Introduction and Background

This Biweekly Data Report for the period between August 9, 2025, and August 22, 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 were conducted between August 9, 2025, and August 22, 2025, pursuant to the Air Monitoring Plan dated June 16, 2025 (AMP).

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 has been conducted pursuant to the Air Monitoring Plan dated May 7, 2025, as amended. The Air Monitoring Plan was amended on June 16, 2025, to reflect a change in the meteorological station deployed at the Site.

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 RM Young Response One meteorological station is continuously monitoring temperature, relative humidity, barometric pressure, wind speed and wind direction at a location in the northwest sector of the SPS Site.

Particulate matter, as PM_{10}, 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_{10} 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 and 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 with the demolition of the building. No site activities occurred on August 10 and 17, 2025. Site activities during the Reporting Period included, but were not limited to, the demolition of Buildings 50, and 67, and Phases 9 and 12, the segregation and offsite removal of demolition wastes, demolition of wastewater treatment tanks, pump out of nonhazardous liquids from onsite infrastructure, implementation of general housekeeping and security throughout the site, and deployment of sitewide dust control measures.

4.0 Data Analyses and Reporting Summary

4.1 Station Specific Data Tables

Table 1 summarizes PM_{10} data as daily (24 hour) average concentrations, in units of µg/m^3, for the calendar period August 9 – August 22, 2025. All reported daily averages were well below the National Ambient Air Quality Standard (NAAQS) of 150 ug/m^3 for a 24-hour period.

Average 15-minute PM_{10} concentrations were also below Alert and Action Levels, except for single 15-minute average readings on August 9 (TRC-10 and TRC-3), August 10 (TRC-10), August 11 (TRC-10) and August 14 (TRC-6), 2025. A summary of these events can be found in Table 2. TRC and pre-designated SPS employees were automatically notified via the automatic alert system. At the time of the Alerts at TRC-10 on August 9, 10 and 11, no site activities were occurring. SPS employees observed earth disturbance activities occurring on the railroad adjacent to the Site and dust from these activities most likely attributed to the exceedances. On August 9, 2025, there was a single 15-minute average reading above the Alert Level at TRC-3. At the time of the detection, misting cannons were being utilized to suppress dust near the monitor, and water droplets from the misting cannons were most likely detected as PM. On August 14, 2025, there was a single 15-minute average reading at TRC-6 above the Alert Level, which was most likely caused by exhaust from a contractor's truck parked near the sampling site. Notwithstanding these alerts, the 24-hour average PM_{10} concentrations on those dates at TRC-3, TRC-6 and TRC-10 were well below the NAAQS of 150 ug/m^3 for a 24-hour period, as presented in Table 1. Elevated PM_{10} concentrations were not detected at any other perimeter or community monitoring locations.

The asbestos samples were collected daily at all perimeter station locations during the Reporting Period. No asbestos sampling was conducted on August 10 and August 17, 2025, as no demolition activities occurred at the Site on these days (Sundays). All samples were analyzed after each 8-hour sampling event. A summary of the asbestos air sample results is presented in Table 3. PCM results for all samples were < 0.01 fibers per cubic centimeter and further analyses by TEM were not warranted.

4.2 Station Specific Graphical Summary

Figure 2 represents PM_{10} data plots of daily averages (24 hours) as compared to the NAAQS for PM_{10} of 150 µg/m^3 (24-hour average).

Table 1: PM_{10} Daily Average Concentrations ($\mu g/m^3$)

Date	Site IDs										PM_{10} NAAQS
	TRC-1	TRC-2	TRC-3	TRC-4	TRC-5	TRC-6	TRC-7	TRC-8	TRC-9	TRC-10	
8/9/2025	8.14	13.92	18.94	12.7	18.3	9.35	8.78	8.75	10.03	20.84	150
8/10/2025	10.85	16.01	12.61	15.74	17.02	9.75	12.75	12.47	14.27	21.06	150
8/11/2025	18.9	28.09	24.68	31.58	28.23	18.13	21.32	20.58	22.47	35.81	150
8/12/2025	11.63	19.94	17.08	16.72	16.86	13.85	13.08	13.16	14.89	18.73	150
8/13/2025	9.33	18.8	14.41	12.73	12.86	8.92	10.29	10.38	10.97	14.84	150
8/14/2025	12.42	18.6	14.68	17.55	21.78	22.89	14.74	15.27	17.35	19.92	150
8/15/2025	14.84	22.18	17.45	20.3	22.85	14.51	17.19	16.9	19.32	24.79	150
8/16/2025	15.89	24.63	17.94	20.98	21.27	13.89	18.02	17.5	20.08	22.87	150
8/17/2025	14	21.37	16.75	20.38	20.23	12.52	16.83	16.94	19.11	21.8	150
8/18/2025	9.03	11.19	9.66	10.32	12.82	10.6	9.42	10.81	10.59	13	150
8/19/2025	8.45	9.57	8.52	8.55	11.06	10.5	8.41	8.47	8.72	12.02	150
8/20/2025	4.72	5.99	5.34	5.01	6.42	4.63	4.82	4.77	4.94	6.74	150
8/21/2025	3.36	3.94	3.74	3.69	5.74	6.89	3.48	4.03	3.92	5.54	150
8/22/2025	5.34	6.81	6.28	6.33	9.92	13.02	5.85	6.15	6.73	9.25	150

Table 2: Summary of PM_{10} Alerts

Parameter	Date	Time	Location	Wind Conditions		Recorded Concentration	Background Concentration[1]	Resultant Concentration	Comments
PM_{10}	8/9/2025	8:15 AM	TRC-10	1.1 mph	127.3 SE	192.97 $\mu g/m^3$	8.98 $\mu g/m^3$ (at TRC-7)	183.99 $\mu g/m^3$	Elevated concentrations likely attributable to the effect of earth disturbance activities or very fine water droplets (TRC-3 8/9 only)
PM_{10}	8/9/2025	9:00 AM	TRC-3	2.7 mph	73.7 ENE	358.7 $\mu g/m^3$	11.2 $\mu g/m^3$ (at TRC-10)	347.5 $\mu g/m^3$	
PM_{10}	8/10/2025	6:30 AM	TRC-10	0.04 mph	148.3 SSE	171.23 $\mu g/m^3$	8.96 $\mu g/m^3$ (at TRC-7)	162.27 $\mu g/m^3$	
PM_{10}	8/11/2025	5:45 AM	TRC-10	0.27 mph	277.3 W	163.99 $\mu g/m^3$	8.08 $\mu g/m^3$ (at TRC-6)	155.91 $\mu g/m^3$	
PM_{10}	8/14/2025	2:15 PM	TRC-6	0.51 mph	59.4 ENE	200.47 $\mu g/m^3$	16.50 $\mu g/m^3$ (at TRC-10)	183.97 $\mu g/m^3$	Elevated concentrations likely caused by the exhaust of a truck parked near TRC-6

[1] Background concentration represents the upwind on-site concentration during the time of the 15-min elevated concentration, if a predominantly upwind location is identifiable. If not, the lowest on-site concentration will be used in calculating the background adjustment.

Table 3: 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)
08/09/25	Perimeter	TRC 6	07:28	14:45	1704.3	0.0016	<LOD
08/09/25	Perimeter	TRC 5	07:34	14:52	1708.2	0.0016	<LOD
08/09/25	Perimeter	TRC 4	07:52	15:01	1716	0.0016	<LOD
08/09/25	Perimeter	TRC 3	07:57	15:07	1720	0.0016	<LOD
08/09/25	Perimeter	TRC 2	08:08	15:16	1712	0.0016	<LOD
08/09/25	Perimeter	TRC 1	08:12	15:20	1712	0.0016	<LOD
08/09/25	Perimeter	TRC 10	07:41	14:56	1740	0.0016	<LOD
08/11/25	Perimeter	TRC 1	07:22	14:01	1596	0.0017	<LOD
08/11/25	Perimeter	TRC 2	07:27	14:05	1592	0.0017	0.0017
08/11/25	Perimeter	TRC 3	07:35	14:09	1576	0.0017	0.0034
08/11/25	Perimeter	TRC 4	07:40	14:14	1576	0.0017	0.0028
08/11/25	Perimeter	TRC 10	07:47	14:20	1572	0.0017	0.0041
08/11/25	Perimeter	TRC 5	07:59	14:30	1564	0.0017	0.0025
08/11/25	Perimeter	TRC 6	08:07	14:35	1552	0.0017	<LOD
08/12/25	Perimeter	TRC 1	07:16	14:03	1628	0.0017	<LOD
08/12/25	Perimeter	TRC 2	07:20	14:06	1624	0.0017	<LOD
08/12/25	Perimeter	TRC 3	07:24	14:10	1624	0.0017	<LOD
08/12/25	Perimeter	TRC 4	07:29	14:14	1620	0.0017	<LOD
08/12/25	Perimeter	TRC 10	07:34	14:17	1612	0.0017	<LOD

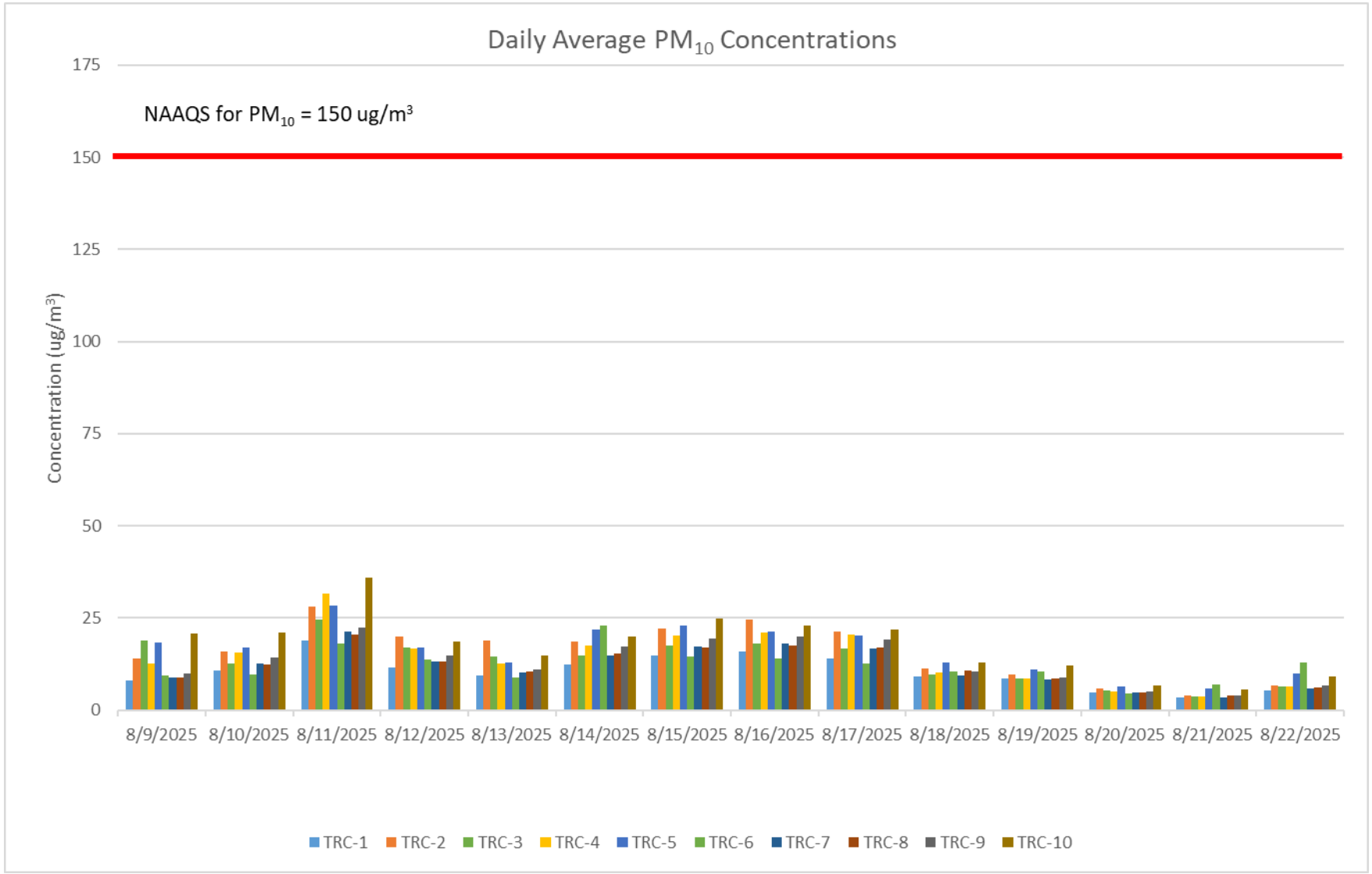
Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/12/25	Perimeter	TRC 5	07:44	14:24	1600	0.0017	<LOD
08/12/25	Perimeter	TRC 6	07:53	14:28	1580	0.0017	<LOD
08/13/25	Perimeter	TRC 1	07:07	13:54	1628	0.0017	<LOD
08/13/25	Perimeter	TRC 2	07:11	13:58	1628	0.0017	<LOD
08/13/25	Perimeter	TRC 3	07:17	14:02	1620	0.0017	<LOD
08/13/25	Perimeter	TRC 4	07:23	14:06	1612	0.0017	<LOD
08/13/25	Perimeter	TRC 10	07:28	14:09	1604	0.0017	<LOD
08/13/25	Perimeter	TRC 5	07:36	14:17	1604	0.0017	<LOD
08/13/25	Perimeter	TRC 6	07:42	14:22	1600	0.0017	<LOD
08/14/25	Perimeter	TRC 1	07:36	14:06	1560	0.0017	<LOD
08/14/25	Perimeter	TRC 2	07:40	14:09	1556	0.0017	<LOD
08/14/25	Perimeter	TRC 3	07:45	14:14	1556	0.0017	<LOD
08/14/25	Perimeter	TRC 4	07:50	14:17	1548	0.0017	<LOD
08/14/25	Perimeter	TRC 10	07:54	14:21	1548	0.0017	<LOD
08/14/25	Perimeter	TRC 5	08:03	14:29	1544	0.0017	<LOD
08/14/25	Perimeter	TRC 6	08:08	14:33	1540	0.0018	<LOD
08/15/25	Perimeter	TRC 1	08:12	15:26	1736	0.0016	0.0028
08/15/25	Perimeter	TRC 10	08:20	15:36	1744	0.0015	0.0041
08/15/25	Perimeter	TRC 2	08:14	15:29	1740	0.0015	<LOD
08/15/25	Perimeter	TRC 3	08:16	15:32	1744	0.0015	0.0034
08/15/25	Perimeter	TRC 4	08:18	15:34	1744	0.0015	0.0039

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/15/25	Perimeter	TRC 5	08:27	15:44	1748	0.0015	0.0035
08/15/25	Perimeter	TRC 6	08:29	15:46	1748	0.0015	0.0041
08/16/25	Perimeter	TRC 1	07:12	13:57	1620	0.0017	<LOD
08/16/25	Perimeter	TRC 2	07:17	14:00	1612	0.0017	0.0049
08/16/25	Perimeter	TRC 3	07:22	14:05	1612	0.0017	<LOD
08/16/25	Perimeter	TRC 4	07:27	14:08	1604	0.0017	<LOD
08/16/25	Perimeter	TRC 10	07:31	14:11	1600	0.0017	<LOD
08/16/25	Perimeter	TRC 5	07:37	14:16	1596	0.0017	<LOD
08/16/25	Perimeter	TRC 6	07:43	14:21	1592	0.0017	<LOD
08/18/25	Perimeter	TRC 1	08:12	16:48	2064	0.0013	0.0029
08/18/25	Perimeter	TRC 10	08:22	16:57	2060	0.0013	<LOD
08/18/25	Perimeter	TRC 2	08:14	16:50	2064	0.0013	<LOD
08/18/25	Perimeter	TRC 3	08:18	16:52	2056	0.0013	<LOD
08/18/25	Perimeter	TRC 4	08:20	16:54	2056	0.0013	<LOD
08/18/25	Perimeter	TRC 5	08:08	15:54	1864	0.0014	<LOD
08/18/25	Perimeter	TRC 6	08:05	15:56	1884	0.0014	0.0022
08/19/25	Perimeter	TRC 1	07:41	15:46	1940	0.0014	<LOD
08/19/25	Perimeter	TRC 2	07:43	15:48	1940	0.0014	<LOD
08/19/25	Perimeter	TRC 10	07:49	15:39	1880	0.0014	<LOD
08/19/25	Perimeter	TRC 3	07:45	15:43	1912	0.0014	<LOD
08/19/25	Perimeter	TRC 4	07:47	15:41	1896	0.0014	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/19/25	Perimeter	TRC 5	07:34	15:36	1928	0.0014	<LOD
08/19/25	Perimeter	TRC 6	07:31	15:34	1932	0.0014	<LOD
08/20/25	Perimeter	TRC 1	08:52	16:04	1728	0.0016	<LOD
08/20/25	Perimeter	TRC 10	08:44	15:56	1728	0.0016	<LOD
08/20/25	Perimeter	TRC 2	08:50	16:03	1732	0.0016	<LOD
08/20/25	Perimeter	TRC 3	08:47	16:00	1732	0.0016	<LOD
08/20/25	Perimeter	TRC 4	08:46	15:58	1728	0.0016	<LOD
08/20/25	Perimeter	TRC 5	08:41	15:52	1724	0.0016	<LOD
08/20/25	Perimeter	TRC 6	08:38	15:50	1728	0.0016	<LOD
08/21/25	Perimeter	TRC 1	08:52	15:53	1684	0.0016	<LOD
08/21/25	Perimeter	TRC 10	08:44	15:46	1688	0.0016	<LOD
08/21/25	Perimeter	TRC 2	08:50	15:51	1684	0.0016	<LOD
08/21/25	Perimeter	TRC 3	08:48	15:49	1684	0.0016	<LOD
08/21/25	Perimeter	TRC 4	08:46	15:48	1688	0.0016	<LOD
08/21/25	Perimeter	TRC 5	08:42	15:44	1688	0.0016	<LOD
08/21/25	Perimeter	TRC 6	08:40	15:42	1688	0.0016	<LOD
08/22/25	Perimeter	TRC 1	08:52	16:19	1788	0.0015	<LOD
08/22/25	Perimeter	TRC 10	08:46	16:11	1780	0.0015	<LOD
08/22/25	Perimeter	TRC 2	08:51	16:17	1784	0.0015	<LOD
08/22/25	Perimeter	TRC 3	08:47	16:15	1792	0.0015	0.0016
08/22/25	Perimeter	TRC 4	08:42	16:13	1804	0.0015	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/22/25	Perimeter	TRC 5	08:39	16:09	1800	0.0015	<LOD
08/22/25	Perimeter	TRC 6	08:37	16:05	1792	0.0015	<LOD

Figure 2: Daily Average PM_{10} Concentrations



4.3 Meteorological Data

TRC installed a new meteorological tower on-site on June 4, 2025. Data from this newly deployed meteorological station was available for the reporting period August 9 – August 22, 2025, and is presented as the wind rose for the reporting period in Figure 3. 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 August 9 – August 22, 2025