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

Biweekly Data Report for the Period August 23 – August 31, 2025

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1.0 Introduction and Background

This Biweekly Data Report for the period between August 23, 2025, and August 31, 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). Since the air monitoring program ended on August 31, 2025, this Biweekly Report was prepared to summarize the results of air monitoring that were conducted between August 23, 2025, and August 31, 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 completed above-grade demolition activities. No site activities occurred on August 24 and 30, 2025. Site activities during the Reporting Period included, but were not limited to, the segregation and offsite removal of demolition wastes, pump out of nonhazardous liquids from onsite infrastructure, implementation of general housekeeping and security throughout the site, and deployment of sitewide dust control measures. All above-grade demolition was complete as of August 29, 2025. The air monitoring program ended on August 30, 2025.

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 23 – August 31, 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 23, 2025, at TRC-5 and TRC-10. 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. Upon notification via the automatic alert system, SPS employees performed visual observations of the Site. At the time of these Alerts at TRC-5 and TRC-10, no site activities were occurring but SPS employees observed dust from activities in a nearby yard. The nearby activities most likely attributed to measured PM_{10} concentrations. Notwithstanding these alerts, the 24-hour average PM_{10} concentrations on August 23, 2025, at TRC-5 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 of August 23, 2025, through August 29, 2025, when the asbestos monitoring program ended. No asbestos sampling was conducted on August 24, 2025, as no demolition activities occurred at the Site on that day (Sunday). 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	
8/23/2025	5.94	10.39	10.02	8.57	17.49	7.09	6.12	6.34	6.83	21.91	150
8/24/2025	10.2	12.26	10.3	12.21	16.02	9.89	10.29	10.53	11.14	20.01	150
8/25/2025	7.53	9.57	9.28	10.28	14.5	10.86	8.42	8.01	8.69	14.7	150
8/26/2025	3.55	4.53	5.09	5.03	9.36	8.26	3.53	3.41	3.92	9.08	150
8/27/2025	4.13	4.5	4.82	5.63	12.12	10.04	4.79	3.82	4.85	9.71	150
8/28/2025	6.56	9.79	8.88	7.95	8.79	6.64	6.42	6.07	7.29	10.87	150
8/29/2025	4.97	6.61	5.89	6.68	8.81	5.41	5.8	5.72	6.76	8.95	150
8/30/2025	3.62	5.23	3.9	4.48	5.09	3.45	3.73	3.64	4.37	5.36	150
8/31/2025	4.06	6.06	4.21	5.42	5.33	3.69	4.35	4.45	5.63	6.28	150

*Since the monitoring program ended on August 31, 2025, the summary table presents data from August 23 through August 31, 2025.

Table 2: Summary of PM_{10} Alerts

Parameter	Date	Time	Location	Wind Conditions		Recorded Concentration	Background Concentration[1]	Resultant Concentration	Comments
PM_{10}	8/23/2025	7:00 AM	TRC-5	0.51 mph	92.9 E	209.07 $\mu g/m^3$	5.32 $\mu g/m^3$ (at TRC-4)	203.75 $\mu g/m^3$	Elevated concentrations likely attributable to activities in a nearby yard in close proximity to the sampling sites
PM_{10}	8/23/2025	7:00 AM	TRC-10	0.51 mph	92.9 E	210.58 $\mu g/m^3$	5.32 $\mu g/m^3$ (at TRC-4)	205.26 $\mu g/m^3$	

[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.

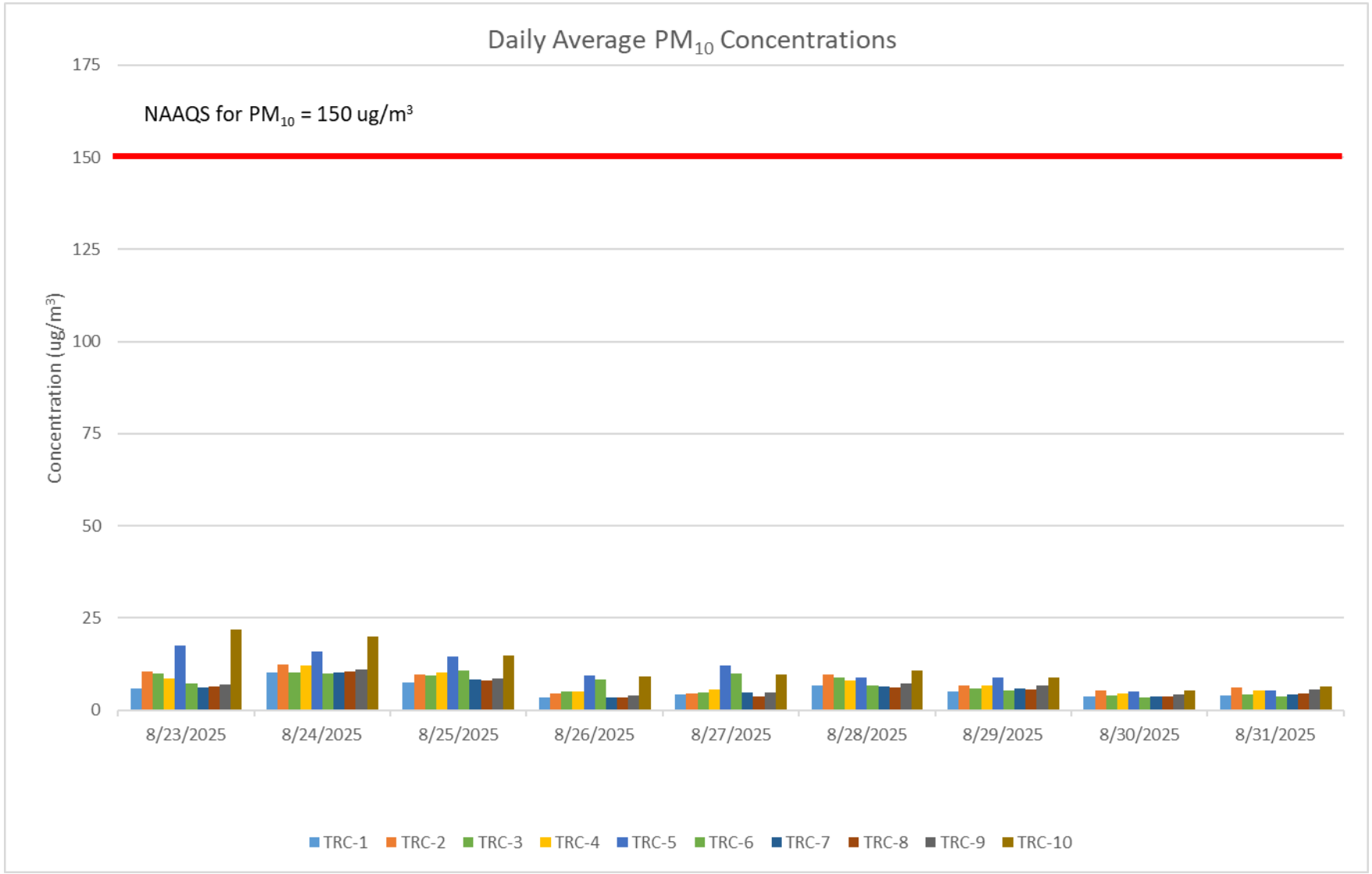
Table 3: Results of Asbestos analysis (f/cc)

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/23/25	Perimeter	TRC 1	08:29	16:15	1864	0.0014	<LOD
08/23/25	Perimeter	TRC 2	08:22	16:14	1888	0.0014	<LOD
08/23/25	Perimeter	TRC 10	08:16	16:25	1956	0.0014	0.0015
08/23/25	Perimeter	TRC 3	08:20	16:28	1952	0.0014	<LOD
08/23/25	Perimeter	TRC 4	08:18	16:27	1956	0.0014	<LOD
08/23/25	Perimeter	TRC 5	08:14	16:23	1956	0.0014	<LOD
08/23/25	Perimeter	TRC 6	08:12	16:21	1956	0.0014	<LOD
08/25/25	Perimeter	TRC 6	07:39	14:51	1728	0.0016	0.0031
08/25/25	Perimeter	TRC 5	07:44	14:58	1736	0.0016	0.0025
08/25/25	Perimeter	TRC 4	07:59	15:10	1724	0.0016	0.0034
08/25/25	Perimeter	TRC 3	08:05	15:16	1724	0.0016	0.0043
08/25/25	Perimeter	TRC 2	08:18	15:26	1712	0.0016	0.0029
08/25/25	Perimeter	TRC 1	08:24	15:31	1708	0.0016	0.0046
08/25/25	Perimeter	TRC 10	07:50	15:05	1740	0.0015	0.0079
08/26/25	Perimeter	TRC 6	07:19	14:26	1708	0.0016	<LOD
08/26/25	Perimeter	TRC 5	07:24	14:33	1716	0.0016	<LOD
08/26/25	Perimeter	TRC 4	07:35	14:46	1724	0.0016	<LOD
08/26/25	Perimeter	TRC 3	07:40	14:50	1720	0.0016	<LOD
08/26/25	Perimeter	TRC 2	07:47	14:59	1728	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/26/25	Perimeter	TRC 1	07:51	15:02	1724	0.0016	<LOD
08/26/25	Perimeter	TRC 10	07:29	14:42	1732	0.0016	<LOD
08/27/25	Perimeter	TRC 6	07:30	14:38	1712	0.0016	<LOD
08/27/25	Perimeter	TRC 5	07:35	14:44	1716	0.0016	<LOD
08/27/25	Perimeter	TRC 4	07:46	14:53	1708	0.0016	<LOD
08/27/25	Perimeter	TRC 3	07:52	14:58	1704	0.0016	<LOD
08/27/25	Perimeter	TRC 2	08:00	15:06	1704	0.0016	<LOD
08/27/25	Perimeter	TRC 1	08:04	15:10	1704	0.0016	<LOD
08/27/25	Perimeter	TRC 10	07:40	14:49	1716	0.0016	<LOD
08/28/25	Perimeter	TRC 6	07:21	14:30	1716	0.0016	<LOD
08/28/25	Perimeter	TRC 5	07:26	14:34	1712	0.0016	<LOD
08/28/25	Perimeter	TRC 4	07:38	14:48	1720	0.0016	<LOD
08/28/25	Perimeter	TRC 3	07:42	14:53	1724	0.0016	<LOD
08/28/25	Perimeter	TRC 2	07:49	15:01	1728	0.0016	<LOD
08/28/25	Perimeter	TRC 1	07:54	15:04	1720	0.0016	<LOD
08/28/25	Perimeter	TRC 10	07:31	14:42	1724	0.0016	<LOD
08/29/25	Perimeter	TRC 6	07:06	14:12	1704	0.0016	<LOD
08/29/25	Perimeter	TRC 5	07:11	14:17	1704	0.0016	<LOD
08/29/25	Perimeter	TRC 4	07:20	14:26	1704	0.0016	<LOD
08/29/25	Perimeter	TRC 3	07:24	14:30	1704	0.0016	<LOD
08/29/25	Perimeter	TRC 2	07:31	14:39	1712	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
08/29/25	Perimeter	TRC 1	07:35	14:42	1708	0.0016	<LOD
08/29/25	Perimeter	TRC 10	07:16	14:22	1704	0.0016	<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 23 – August 31, 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 23 – August 31, 2025