

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

**Biweekly Data Report for the
Period June 14 – June 27, 2025**

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1.0 Introduction and Background

This Biweekly Data Report for the period between June 14, 2025, and June 27, 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 June 14, 2025, and June 27, 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 e in the northwest sector of the SPS Site.

Particulate matter, as PM₁₀, 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. PM₁₀ 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. Activities included, but were not limited to, the demolition of Phases 2, 5, 6 and 7, the segregation and offsite removal of demolition wastes, the removal of existing storage tanks, pump out of nonhazardous water 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 PM₁₀ data daily (24 hour) average concentrations, in units of $\mu\text{g}/\text{m}^3$, for the calendar period June 14 – June 27, 2025. All daily averages were well below the National Ambient Air Quality Standard (NAAQS) of 150 $\mu\text{g}/\text{m}^3$ for a 24-hour period.

Average 15-minute PM₁₀ concentrations were also below Alert and Action Levels, except for the following 15-minute average readings. On June 23, 2025, there were four 15-minute average readings where PM₁₀ concentrations at TRC-10 were above the Action Level after adjusting for background. On June 25, 2025, there was a singular 15-minute average reading at TRC-4 where PM₁₀ concentrations were above the Action Level after adjusting for background. 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 and no unusual activities were noted. At the time of the detections, misting cannons were being utilized to suppress dust onsite. Due to the proximity of the misting cannons to TRC-10 and TRC-4 on June 23 and June 25, 2025, respectively, and the lack of observed visible dust, the elevated PM₁₀ concentrations were likely attributable to the monitor detecting very fine droplets of water as PM. The 24-hour average PM₁₀ concentrations on June 23, 2025 at TRC-10, and on June 25, 2025 at TRC-4, were 53.1 $\mu\text{g}/\text{m}^3$ and 45.28 $\mu\text{g}/\text{m}^3$ respectively, well below the Alert Level of 150 $\mu\text{g}/\text{m}^3$. Elevated PM₁₀ concentrations were not detected at any other perimeter or community monitoring location.

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. The asbestos samples were collected daily at all ten station locations during the reporting period June 14 – June 27, 2025. No asbestos sampling was conducted on June 15 and 22, 2025, as no activities occurred at the Site on these days (Sundays). All samples were analyzed after each 8-hour sampling event.

4.2 Station Specific Graphical Summary

Figure 2 represents PM₁₀ data plots of daily averages (24 hours) as compared to the NAAQS for PM₁₀ of 150 $\mu\text{g}/\text{m}^3$ (24-hour average).

Table 1: PM₁₀ Daily Average Concentrations (µg/m³)

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	
6/14/2025	23.17	40.31	25.65	25.9	29.96	23.13	26.33	28.1	30.31	34.76	150
6/15/2025	7.95	13.49	8.56	9.05	11.45	7.7	8.76	9.1	10.41	12.69	150
6/16/2025	13.54	21.04	13.71	13.88	17.57	15.31	14.89	14.65	16.45	19.45	150
6/17/2025	14.97	25.7	17.05	17.41	19.88	17.38	16.55	16.98	18.52	21.92	150
6/18/2025	13.49	22.8	18	18.64	22.04	12.92	15.94	16.28	17.03	23.19	150
6/19/2025	9.5	13.04	13.22	14.6	17.16	11.39	10.84	10.88	11.69	26.82	150
6/20/2025	7.1	10.5	8.84	11.92	12.27	7.48	8.45	8.35	9.71	17.9	150
6/21/2025	8.93	13.83	13.71	14.84	13.37	8.89	10.31	10.35	11.81	16.14	150
6/22/2025	11.67	18.52	13.64	15.1	15.7	10.69	13.84	13.7	15.89	17.08	150
6/23/2025	18.78	26.61	21.43	28.19	28.49	18.54	21.38	21.13	23.33	53.1	150
6/24/2025	22.99	29.49	24.84	35.54	35.15	23.02	24.22	24.76	26.43	39.95	150
6/25/2025	17.48	22.83	21.27	45.28	33.13	19.33	18.96	19	20.8	44.26	150
6/26/2025	15.91	22.96	17.86	63.84	21.31	19.28	16.9	16.87	18.78	23.14	150
6/27/2025	18.33	25.15	18.04	25.43	21.79	18.78	18.08	18.64	19.8	23.45	150

Table 2: Summary of PM₁₀ Alerts

Parameter	Date	Time	Location	Wind Conditions		Recorded Concentration	Background Concentration ¹	Resultant Concentration	Comments
PM ₁₀	6/23/2025	11:00 AM	Station 10	0.20 mph	233.2 SW	265.83 µg/m ³	23.63 µg/m ³ (at TRC-8)	242.20 µg/m ³	No unusual activities were observed apart from the ongoing demolition at the Site. Misting cannons were utilized to minimize any dust from becoming airborne. The PM ₁₀ detections were likely attributable to the use of misting cannons.
PM ₁₀	6/23/2025	11:15 AM	Station 10	0.96 mph	275.5 W	324.08 µg/m ³	20.82 µg/m ³ (at TRC-6)	303.26 µg/m ³	
PM ₁₀	6/23/2025	11:30 AM	Station 10	0.89 mph	282.4 WNW	262.7 µg/m ³	36.7 µg/m ³ (at TRC-5)	226 µg/m ³	
PM ₁₀	6/23/2025	16:30 PM	Station 10	0.22 mph	257.3 WSW	262.79 µg/m ³	17.6 µg/m ³ (at TRC-6)	245.19 µg/m ³	
PM ₁₀	6/25/2025	8:45 AM	Station 4	0.27 mph	296.4 WNW	186.69 µg/m ³	24.95 µg/m ³ (at TRC-3)	161.74 µg/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 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)
06/14/25	Perimeter	TRC 1	07:08	13:49	1604	0.0017	<LOD
06/14/25	Perimeter	TRC 2	07:12	13:53	1604	0.0017	0.0037
06/14/25	Perimeter	TRC 3	07:17	13:57	1600	0.0017	0.0018
06/14/25	Perimeter	TRC 4	07:21	14:02	1604	0.0017	<LOD
06/14/25	Perimeter	TRC 10	07:26	14:05	1596	0.0017	0.0022
06/14/25	Perimeter	TRC 5	07:32	14:11	1596	0.0017	0.0023
06/14/25	Perimeter	TRC 6	07:37	14:16	1596	0.0017	0.0028
06/16/25	Perimeter	TRC 6	07:27	14:35	1712	0.0016	<LOD
06/16/25	Perimeter	TRC 5	07:33	14:41	1712	0.0016	<LOD
06/16/25	Perimeter	TRC 4	07:48	14:57	1716	0.0016	<LOD
06/16/25	Perimeter	TRC 3	07:55	15:04	1716	0.0016	<LOD
06/16/25	Perimeter	TRC 2	08:05	15:12	1708	0.0016	<LOD
06/16/25	Perimeter	TRC 1	08:11	15:17	1704	0.0016	<LOD
06/16/25	Perimeter	TRC 10	07:41	14:50	1716	0.0016	<LOD
06/17/25	Perimeter	TRC 6	07:19	14:27	1712	0.0016	<LOD
06/17/25	Perimeter	TRC 5	07:27	14:36	1716	0.0016	<LOD
06/17/25	Perimeter	TRC 4	07:46	14:52	1704	0.0016	<LOD
06/17/25	Perimeter	TRC 3	07:53	15:00	1708	0.0016	<LOD
06/17/25	Perimeter	TRC 2	08:01	15:07	1704	0.0016	<LOD

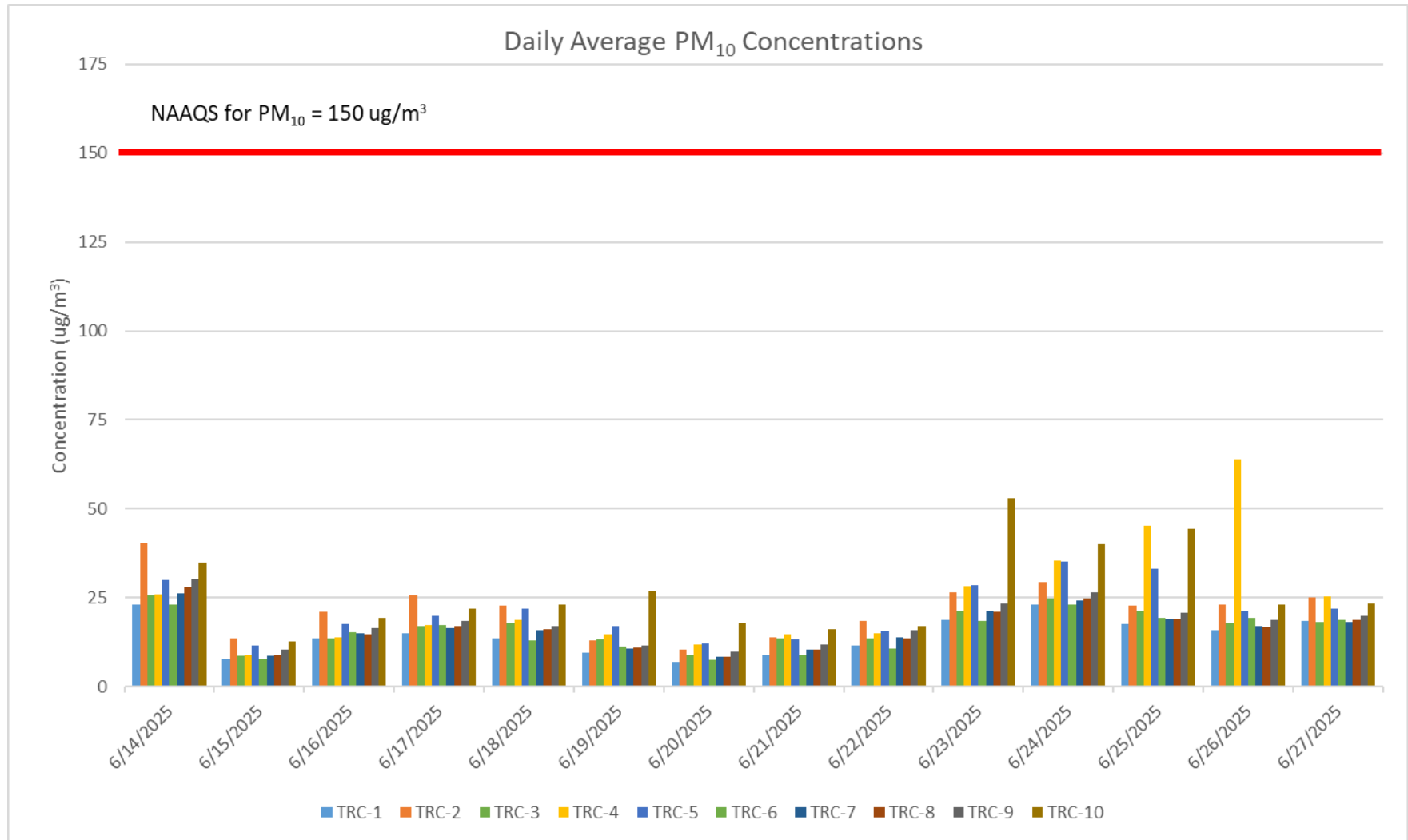
Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
06/17/25	Perimeter	TRC 1	08:11	15:17	1704	0.0016	<LOD
06/17/25	Perimeter	TRC 10	07:36	14:44	1712	0.0016	<LOD
06/18/25	Perimeter	TRC 6	07:12	14:22	1720	0.0016	<LOD
06/18/25	Perimeter	TRC 5	07:18	14:28	1720	0.0016	<LOD
06/18/25	Perimeter	TRC 4	07:33	14:39	1704	0.0016	<LOD
06/18/25	Perimeter	TRC 3	07:40	14:46	1704	0.0016	<LOD
06/18/25	Perimeter	TRC 2	07:49	14:56	1708	0.0016	<LOD
06/18/25	Perimeter	TRC 1	07:57	15:03	1704	0.0016	0.0019
06/18/25	Perimeter	TRC 10	07:26	14:34	1712	0.0016	<LOD
06/19/25	Perimeter	TRC 6	07:07	14:16	1716	0.0016	<LOD
06/19/25	Perimeter	TRC 5	07:13	14:22	1716	0.0016	<LOD
06/19/25	Perimeter	TRC 4	07:28	14:36	1712	0.0016	<LOD
06/19/25	Perimeter	TRC 3	07:34	14:42	1712	0.0016	<LOD
06/19/25	Perimeter	TRC 2	07:43	14:49	1704	0.0016	<LOD
06/19/25	Perimeter	TRC 1	07:49	14:55	1704	0.0016	<LOD
06/19/25	Perimeter	TRC 10	07:20	14:30	1720	0.0016	0.0019
06/20/25	Perimeter	TRC 6	07:07	14:19	1728	0.0016	<LOD
06/20/25	Perimeter	TRC 5	07:14	14:25	1724	0.0016	<LOD
06/20/25	Perimeter	TRC 4	07:29	14:40	1724	0.0016	<LOD
06/20/25	Perimeter	TRC 3	07:42	14:51	1716	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
06/20/25	Perimeter	TRC 2	07:52	14:59	1708	0.0016	0.0017
06/20/25	Perimeter	TRC 1	07:59	15:06	1708	0.0016	<LOD
06/20/25	Perimeter	TRC 10	07:21	14:33	1728	0.0016	<LOD
06/21/25	Perimeter	TRC 6	07:16	14:23	1708	0.0016	<LOD
06/21/25	Perimeter	TRC 5	07:23	14:30	1708	0.0016	0.0017
06/21/25	Perimeter	TRC 4	07:38	14:45	1708	0.0016	0.0063
06/21/25	Perimeter	TRC 3	07:44	14:51	1708	0.0016	0.0029
06/21/25	Perimeter	TRC 2	07:52	14:59	1708	0.0016	<LOD
06/21/25	Perimeter	TRC 1	07:59	15:06	1708	0.0016	0.0017
06/21/25	Perimeter	TRC 10	07:31	14:37	1704	0.0016	0.0026
06/23/25	Perimeter	TRC 6	07:04	14:06	1688	0.0016	0.0026
06/23/25	Perimeter	TRC 10	07:08	14:10	1688	0.0016	0.0029
06/23/25	Perimeter	TRC 4	07:10	14:12	1688	0.0016	0.0038
06/23/25	Perimeter	TRC 3	07:13	14:15	1688	0.0016	0.0017
06/23/25	Perimeter	TRC 1	07:15	14:16	1684	0.0016	0.002
06/23/25	Perimeter	TRC 2	07:17	14:20	1692	0.0016	0.0017
06/23/25	Perimeter	TRC 5	07:08	14:09	1684	0.0016	0.0032
06/24/25	Perimeter	TRC 6	07:03	14:15	1728	0.0016	<LOD
06/24/25	Perimeter	TRC 5	07:06	14:19	1732	0.0016	<LOD
06/24/25	Perimeter	TRC 10	07:08	14:23	1740	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
06/24/25	Perimeter	TRC 4	07:10	14:26	1744	0.0015	<LOD
06/24/25	Perimeter	TRC 3	07:13	14:29	1744	0.0015	<LOD
06/24/25	Perimeter	TRC 1	07:15	14:32	1748	0.0015	<LOD
06/24/25	Perimeter	TRC 2	07:17	14:35	1752	0.0015	<LOD
06/25/25	Perimeter	TRC 6	07:21	14:23	1688	0.0016	<LOD
06/25/25	Perimeter	TRC 5	07:24	14:25	1684	0.0016	<LOD
06/25/25	Perimeter	TRC 3	07:27	14:29	1688	0.0016	<LOD
06/25/25	Perimeter	TRC 4	07:30	14:31	1684	0.0016	<LOD
06/25/25	Perimeter	TRC 10	07:33	14:33	1680	0.0016	<LOD
06/25/25	Perimeter	TRC 1	07:34	14:35	1684	0.0016	<LOD
06/25/25	Perimeter	TRC 2	07:36	14:38	1688	0.0016	<LOD
06/26/25	Perimeter	TRC 6	07:21	14:29	1712	0.0016	<LOD
06/26/25	Perimeter	TRC 5	07:27	14:35	1712	0.0016	<LOD
06/26/25	Perimeter	TRC 4	07:43	14:49	1704	0.0016	<LOD
06/26/25	Perimeter	TRC 3	07:51	14:58	1708	0.0016	<LOD
06/26/25	Perimeter	TRC 2	07:59	15:06	1708	0.0016	<LOD
06/26/25	Perimeter	TRC 1	08:06	15:12	1704	0.0016	<LOD
06/26/25	Perimeter	TRC 10	07:35	14:42	1708	0.0016	<LOD
06/27/25	Perimeter	TRC 6	07:16	14:23	1708	0.0016	<LOD
06/27/25	Perimeter	TRC 5	07:22	14:29	1708	0.0016	<LOD

Sample Date	Sample Type	Sample Location	Start time	Stop time	Sample Volume (L)	Limit of Detection (f/cc)	Results (f/cc)
06/27/25	Perimeter	TRC 4	07:36	14:42	1704	0.0016	<LOD
06/27/25	Perimeter	TRC 3	07:42	14:48	1704	0.0016	<LOD
06/27/25	Perimeter	TRC 2	07:51	14:58	1708	0.0016	<LOD
06/27/25	Perimeter	TRC 1	07:57	15:05	1712	0.0016	<LOD
06/27/25	Perimeter	TRC 10	07:29	14:36	1708	0.0016	<LOD

Figure 2: Daily Average PM₁₀ 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 June 14 – June 27, 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 June 14 – June 27, 2025

