

Weekly Air Monitoring Report

October 7 – 11, 2024

Historic Potteries Site RV2
Sony Vereen Park
Trenton, Mercer County, New Jersey

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1. Introduction

This report summarizes the Historic Potteries Removal Action Two Trenton Parks (RV2) air monitoring program conducted from October 7 to October 11, 2024, at the Sony Vereen Park located at 51 Filmore Street, Trenton, New Jersey (the site). Air monitoring for particulates less than 10 microns in diameter (PM10) was conducted in accordance with the U.S. Environmental Protection Agency (USEPA)-approved Community Air Monitoring Plan (CAMP). PM10 results were compared with action levels presented in the CAMP.

Air monitoring during the week of October 7, 2024, included the following monitoring tasks:

- Meteorological monitoring
- Site perimeter air monitoring

A summary of the monitoring activities that were conducted is presented in Section 3.

2. Meteorological Monitoring

Meteorological monitoring was conducted to measure wind speed, wind direction, and air temperature. Meteorological readings were recorded on a data logging device and evaluated at least three times per day to determine the upwind and downwind boundaries of the site.

Table 2-1 presents a summary of the meteorological monitoring during the week of October 7, 2024. The attached site air monitoring figure shows the locations of the meteorological station.

Table 2-1: Meteorological Monitoring Summary

Date	Weather
10/7/2024	Cloudy early, then sunshine in afternoon. High 74°F. Winds NW at 10-15 mph. (Online)
10/8/2024	Partly sunny. High 71°F. Winds NW at 5-10 mph. (Online)

3. PM10 Monitoring

Air monitoring was performed using DustTrak® particulate monitors to ensure that site engineering controls for dust suppression are effective in protecting the health of all site personnel (workers, students, and faculty) and adjacent residences from fugitive dust which may potentially contain site-related contaminants. Four air monitoring stations were located around the site perimeter: one upwind and three downwind. Readings were recorded and maintained on site by START V.

A summary of work area perimeter air monitoring data is presented in the table 3-1 below.

Table 3-1 PM10 Perimeter Air Monitoring Summary

Date	Air Monitoring Station/Location	Upwind/ Downwind	PM ₁₀ 15-Minute Average Range (µg/m ³) Action Level <150 µg/m ³
10/7/2024	Station ASL02 – South	Downwind	15.5 – 40.1
	Station ASL03 – East	Downwind	19.1 – 93.2
	Station ASL04 – North	Downwind	17.0 – 39.5
	Station ASL05 – West	Upwind	19.7 – 41.6
10/8/2024	Station ASL03 – East	Downwind	6.2 – 42.2
	Station ASL04 – North	Upwind	3.8 – 21.7
	Station ASL06 – Southwest	Downwind	5.3 – 42.1

Notes:

1. µg/m³: micrograms per cubic meter
2. See CAMP for further details on action levels.

4. Air Sampling

At the direction of the EPA On-Scene Coordinator (OSC), air sampling was not necessary for the week of October 7, 2024, due to the nature of site activities (non-insrusive work only including placement of clean cover materials).

5. Issues or Potential Modifications to the CAMP

None.

Figure 1: 10/7/2024 Air Monitoring Locations and Prevailing Wind Direction:



Figure 2: 10/8/2024 Air Monitoring Locations and Prevailing Wind Direction:

