

Pacoima Spreading Grounds Basin Enhancement Project
Air Quality Monitoring Program
Summary Report for September 2021

1. Background

- During the month of September 2021 (prior to active hauling), monitoring of air pollutants for the Pacoima Spreading Grounds Basin Enhancement Project (Project) was conducted for the field calibration and background monitoring periods (Figure 1).
- Results indicated average background PM₁₀ concentrations were similar across all four (4) stations and ranged from 13 to 49 µg/m³ for the monitoring period.
- Four permanent stations were set up for continuous monitoring commencing on September 27th (Figure 2).

2. Field Activity Summary

- The following field activities were initiated:
 - ✓ Clearing and grubbing of Basins 6, 4 & 5
 - ✓ Temporary water line installation
 - ✓ Removal of existing improvement at Basin 6
- The following field activities were completed:
 - ✓ K-Rails and sound barrier blankets installation
 - ✓ Temporary pavement installation
 - ✓ Construction fence installation
 - ✓ Tire wash station installation
 - ✓ Truck scales installation

3. Air Monitoring Summary

- Only staging activities, including vegetation clearing and tire wash installation, and no active hauling were conducted during the month of September. During staging activities, real-time monitoring of air pollutants for the Project was conducted and included:
 - ✓ Background monitoring conducted for two 8-hour days and continuous 24-hour monitoring for a total of four (4) days.
 - ✓ Continuous PM₁₀ and meteorological parameters monitored at all four stations beginning on September 27th.
 - ✓ Nitrogen dioxide (NO₂) and ozone (O₃) monitored during the field calibration and background monitoring period for correction factor determination.
 - ✓ NO₂ and O₃ monitored on a continuous 24-hour basis beginning September 27th.

4. Compliance Summary

- Air monitoring data for PM₁₀ concentrations were in compliance with South Coast Air Quality Management District (SCAQMD) Rule 403 for the dates which PM₁₀ was monitored during September 2021.



Figure 1. Background monitoring and field calibration set up including AQS-1, Dust Sentry, and EBAM+.



**Figure 2. Pacoima Spreading Grounds air monitoring stations for the Southern site.
DS: Dust Sentry.**