

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

1. Background

- During the month of December 2021, active hauling was conducted on all weekdays without rain. No hauling occurred on:
 - 12/9, 12/14, 12/15, 12/23, 12/27, 12/29, and 12/30 (rain)
 - 12/15 (field activities only)
 - 12/24/2021 – 12/26/2021; 12/31/2021 – 1/2/2022 (holiday schedule)
- Real-time monitoring of air pollutants through four monitoring locations (Figure 1) for the Pacoima Spreading Grounds Basin Enhancement Project (Project) was conducted for the active hauling and field activities.
- Results indicate average ambient PM₁₀ concentrations were 71 - 75 µg/m³ for the first two weeks of the month and were similar across all four (4) stations.
 - Two (2) stations ran continuously. The average ambient concentrations for the month were similar between these two stations (35 – 36 µg/m³).
- Comparison of upwind and downwind stations at the Project site with nearest South Coast Air Quality Management District (SCAQMD) monitoring station (Reseda) PM_{2.5} showed similar trends in the data.

2. Field Activity Summary

- The following field activities were continued/initiated:
 - ✓ Removal of existing structures
 - ✓ Hauling operation of Basin 6

3. Air Monitoring Summary

- During staging and hauling activities, real-time monitoring of air pollutants for the Project was conducted and included:
 - ✓ Continuous 24 hours per day PM₁₀ and meteorological parameters monitoring at all four stations until 12/13 and at two stations through the end of the month. Two stations were also in operation during the holidays (12/24/2021 – 12/26/2021 and 12/31/2021 – 1/2/2022) and during rain events.
 - ✓ Continuous 24 hours per day monitoring of ozone and NO₂ at two stations (one upwind and one downwind) during the week until 12/13 and during hauling hours from 12/13 – 12/31, with the exception of the holidays and during rain events. Ozone and NO₂ data were not measured on the weekends and the sensors were taken down after hauling beginning 12/13.

4. Compliance Summary

- Air monitoring data for PM₁₀ concentrations observed no exceedances on a 24-hour/daily average basis for the month of December 2021.



**Figure 1. Pacoima Spreading Grounds air monitoring stations for the Southern site.
DS: Dust Sentry.**