

Summary for PM2.5 exceedance on January 3, 2021

The 24-hour NAAQS for PM2.5 (35.5 micrograms per standard cubic meter) was exceeded on January 3 at Sunrise Acres with an AQI level of 112, which is in the Unhealthy for Sensitive Groups AQI range. The 112 AQI levels correspond to 24-hour average PM2.5 concentration of 40.1 micrograms per standard cubic meter. This site is in the east-central portion of the Las Vegas valley.

One apparent contributing cause of the high levels of fine particles as PM2.5 was strong surface-based nocturnal low-level stable layers and very low wind speeds during nighttime hours. Both factors contribute to surface pollutant emissions lingering in the east-central part of the Las Vegas valley.