### 2016 AIR QUALITY

#### SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

<table>
<thead>
<tr>
<th>Source/Receptor Area</th>
<th>Station Location</th>
<th>No. of Days of Data in</th>
<th>Max Conc. in</th>
<th>Max Conc. in</th>
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<th>Max Conc. in</th>
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<th>Number of Days Standard Exceeded</th>
<th>No. of Days of Data in</th>
<th>Max Conc. in</th>
<th>90th Percentile Conc. in</th>
<th>Annual Average AAM Conc. in</th>
<th>No. of Days of Data in</th>
<th>Max Conc. in</th>
<th>90th Percentile Conc. in</th>
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<tbody>
<tr>
<td><strong>Carbon Monoxide</strong></td>
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<td><strong>Ozone</strong></td>
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<td><strong>Nitrogen Dioxide</strong></td>
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<td><strong>Sulfur Dioxide</strong></td>
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</tbody>
</table>

**Orange County**

- **Los Angeles County**
  - Central LA: 361 days, 1.9 ppm, 1-hour average
  - North Central LA County: 366 days, 2.2 ppm, 1-hour average
  - South Coast LA County 1: 362 days, 1.6 ppm, 1-hour average
  - South Coast LA County 2: 366 days, 1.1 ppm, 1-hour average
  - South Central LA County 3: 363 days, 3.3 ppm, 1-hour average

**South Orange County**

- Central Orange County: 365 days, 1.7 ppm, 1-hour average
  - 1-710 Near Road: 361 days, 1.7 ppm, 1-hour average
  - Pomona/Walnut Valley: 365 days, 2.8 ppm, 1-hour average
  - South Central LA County: 366 days, 4.4 ppm, 1-hour average

**Santa Clarita Valley**

- Santa Clarita Valley: 366 days, 1.1 ppm, 1-hour average

**ORANGE COUNTY**

- North Orange County: 367 days, 3.1 ppm, 1-hour average
  - Central Orange County: 365 days, 1.7 ppm, 1-hour average
  - 1-5 Near Road: 361 days, 3.7 ppm, 1-hour average
  - North Orange County: 365 days, 2.1 ppm, 1-hour average
  - Saddleback Valley: 361 days, 1.3 ppm, 1-hour average

**RIVERSIDE COUNTY**

- Corona/Norco Area: 366 days, 1.7 ppm, 1-hour average
  - Metropolitan Riverside County 3: 366 days, 1.9 ppm, 1-hour average
  - Perris Valley: 366 days, 1.9 ppm, 1-hour average
  - Elsinore Valley: 366 days, 1.8 ppm, 1-hour average
  - San Gorgonio Pass: 366 days, 1.8 ppm, 1-hour average
  - Coachella Valley 1: 366 days, 1.3 ppm, 1-hour average
  - Coachella Valley 2: 366 days, 1.1 ppm, 1-hour average
  - Coachella Valley 3: 366 days, 1.3 ppm, 1-hour average

**SAN BERNARDINO COUNTY**

- Northwest San Bernardino Valley: 375 days, 1.7 ppm, 1-hour average
  - 1-10 Near Road: 365 days, 1.7 ppm, 1-hour average
  - CA-60 Near Road: 366 days, 1.5 ppm, 1-hour average
  - Central San Bernardino Valley 1: 367 days, 1.7 ppm, 1-hour average
  - Central San Bernardino Valley 2: 350 days, 2.2 ppm, 1-hour average
  - East San Bernardino Valley: 364 days, 1.2 ppm, 1-hour average
  - San Bernardino Mountains: 359 days, 1.2 ppm, 1-hour average
  - San Bernardino Mountains: 358 days, 1.2 ppm, 1-hour average

**DISTRICT MAXIMUM**

- 4.4 ppm, 3.9 ppm, 1-hour average

**SOUTH COAST AIR BASIN**

- 4.4 ppm, 3.9 ppm, 1-hour average

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* Incomplete data.  
* Salton Sea Air Basin  
  -- Pollutant not monitored  
ppm – Parts Per Million parts of air, by volume  
pbp – Parts Per Billion parts of air, by volume  
AAM – Annual Arithmetic Mean  
a) The federal and state 8-hour CO standards (9 ppm and 9.0 ppm) were not exceeded. The federal and state 1-hour CO standards (35 ppm and 20 ppm) were not exceeded, either.  
c) The NO2 federal 1-hour standard is 100 ppb and the annual standard is annual arithmetic mean NO2 > 0.0534 ppm (53.4 ppb). The state 1-hour and annual standards are 0.18 ppm and 0.03 ppm, respectively.  
d) The federal SO2 1-hour standard is 75 ppb (0.075 ppm). The state standards are 1-hour average SO2 > 0.25 ppm (250 ppb) and 24-hour average SO2 > 0.04 ppm (40 ppb).  
# Four near-road sites measuring one or more of the pollutants PM2.5, CO and/or NO2 are operating near the following freeways: I-5, I-10, CA-60 and I-710.  
* South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765-4182  
www.aqmd.gov  
For information on the current standard levels and most recent revisions please refer to “Appendix II – Current Air Quality” of the “2016 AQMMP” which can be accessed at [http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management/plans/2016-air-quality-management-plan-final-2016-aqmp-appendix-i.pdf?sfvrsn=4](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management/plans/2016-air-quality-management-plan-final-2016-aqmp-appendix-i.pdf?sfvrsn=4). Maps showing the source/receptor area boundaries can be accessed via the Internet by entering your address in the AQMD Current Hourly Air Quality Map at [http://www2.aqmd.gov/webappl/gisaqi2/VEMap3D.aspx](http://www2.aqmd.gov/webappl/gisaqi2/VEMap3D.aspx). A printed map or copy of the AQMP Appendix II is also available free of charge from the AQMD Public Information Center at 1-800-CUT-SMOG.
**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

### 2016 AIR QUALITY

<table>
<thead>
<tr>
<th>Source/Receptor Area</th>
<th>Location</th>
<th>Station No.</th>
<th>No. Days of Data</th>
<th>Suspended Particles PM10&lt;sup&gt;6)&lt;/sup&gt;</th>
<th>Fine Particles PM2.5&lt;sup&gt;5)&lt;/sup&gt;</th>
<th>Lead&lt;sup&gt;1)&lt;/sup&gt;</th>
<th>PM10 Sulfate&lt;sup&gt;1)&lt;/sup&gt;</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>No.</td>
<td>Max. Conc. µg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>No. (%) Samples Exceeding Standards</td>
<td>Annual Average Conc. (AAM) µg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>No.</td>
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<td></td>
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<td>24-hour</td>
<td>&gt; 150 µg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&gt; 50 µg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>98&lt;sup&gt;th&lt;/sup&gt; Percentile Conc. µg/m&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

### DRAFT

NO: 357 µg/m<sup>3</sup>

### 2016

- Higher lead concentrations were recorded at near-source monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded were 0.088 µg/m<sup>3</sup> and 0.06 µg/m<sup>3</sup>, respectively.
- Four near-road sites measuring one or more of the pollutants PM2.5, CO and/or NO2 are operating near the following freeways: I-5, I-10, CA-60 and I-710.

### Table

- State annual average (AAM) PM10 standard is > 20 µg/m<sup>3</sup>. Federal annual PM10 standard (AAM > 50 µg/m<sup>3</sup>) was revoked in 2006.
- PM2.5 statistics listed above for the FRM data only. FEM PM2.5 continuous monitoring instruments were operated at some of the above locations for real-time alerts and forecasting only.
- Both Federal and State standards are annual average (AAM) > 12.0 µg/m<sup>3</sup>.
- Lead standard is 3-months rolling average > 0.15 µg/m<sup>3</sup>.
- South state standard is 24-hour ≥ 25 µg/m<sup>3</sup>. There is no federal standard for sulfate. Sulfate data is not available at this time.
- High PM10 (≥ 155 µg/m<sup>3</sup>) data recorded in Coachella Valley (due to high winds) and PM2.5 data recorded in the Basin (due to Independence Day fireworks) are excluded in accordance with the U.S. EPA Exceptional Event Rule.

### Location Details

- PM10 sulfate data listed above are based on combined Federal Reference Method (FRM) and Federal Equivalent Method (FEM) data.
- Salton Sea Air Basin µg/m<sup>3</sup> = Micrograms per cubic meter of air
- Annual Arithmetic Mean
- Pollutant not monitored

### Exceptional Events

- Exceptional events due to high winds or Independence Day fireworks were excluded from the data.