## South Coast AQMD Air Quality Significance Thresholds

### Mass Daily Thresholds

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Construction</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOx</td>
<td>100 lbs/day</td>
<td>55 lbs/day</td>
</tr>
<tr>
<td>VOC</td>
<td>75 lbs/day</td>
<td>55 lbs/day</td>
</tr>
<tr>
<td>PM10</td>
<td>150 lbs/day</td>
<td>150 lbs/day</td>
</tr>
<tr>
<td>PM2.5</td>
<td>55 lbs/day</td>
<td>55 lbs/day</td>
</tr>
<tr>
<td>SOx</td>
<td>150 lbs/day</td>
<td>150 lbs/day</td>
</tr>
<tr>
<td>CO</td>
<td>550 lbs/day</td>
<td>550 lbs/day</td>
</tr>
<tr>
<td>Lead</td>
<td>3 lbs/day</td>
<td>3 lbs/day</td>
</tr>
</tbody>
</table>

### Toxic Air Contaminants (TACs), Odor, and GHG Thresholds

<table>
<thead>
<tr>
<th>TACs</th>
<th>Maximum Incremental Cancer Risk ≥ 10 in 1 million</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cancer Burden &gt; 0.5 excess cancer cases (in areas ≥ 1 in 1 million)</td>
</tr>
<tr>
<td></td>
<td>Chronic &amp; Acute Hazard Index ≥ 1.0 (project increment)</td>
</tr>
<tr>
<td>Odor</td>
<td>Project creates an odor nuisance pursuant to South Coast AQMD Rule 402</td>
</tr>
<tr>
<td>GHG</td>
<td>10,000 MT/yr CO₂eq for industrial facilities</td>
</tr>
</tbody>
</table>

### Ambient Air Quality Standards for Criteria Pollutants

- **NOx**
  - 1-hour average annual arithmetic mean: 0.18 ppm (state) and 0.0534 ppm (federal)
  - 24-hour average annual average: 10.4 µg/m³ (construction) & 2.5 µg/m³ (operation)

- **PM10**
  - 24-hour average annual average: 10.4 µg/m³ (construction) & 2.5 µg/m³ (operation)

- **PM2.5**
  - 24-hour average: 10.4 µg/m³ (construction) & 2.5 µg/m³ (operation)

- **SOx**
  - 1-hour average: 0.25 ppm (state) & 0.075 ppm (federal – 99th percentile)
  - 24-hour average: 0.04 ppm (state)

- **Sulfate**
  - 24-hour average: 25 µg/m³ (state)

- **CO**
  - 1-hour average: 20 ppm (state) and 35 ppm (federal)
  - 8-hour average: 9.0 ppm (state/federal)

- **Lead**
  - 30-day Average: 1.5 µg/m³ (state)
  - Rolling 3-month average: 0.15 µg/m³ (federal)

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**Source:** South Coast AQMD CEQA Handbook (South Coast AQMD, 1993)

**Notes:**
- Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).
- For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.
- Ambient air quality thresholds for criteria pollutants based on South Coast AQMD Rule 1303, Table A-2 unless otherwise stated.
- Ambient air quality threshold based on South Coast AQMD Rule 403.

**KEY:**
- lbs/day = pounds per day
- ppm = parts per million
- µg/m³ = microgram per cubic meter
- MT/yr CO₂eq = metric tons per year of CO₂ equivalents
- >= = greater than or equal to
- > = greater than

**Revision:** April 2019