San Diego County APCD

Mobile Source Program
Topics

- Program Overview
- Inspections: On-Road and Off-Road
- Enforcement Stats
- Commercial Vehicle Idling Reg.
- Questions
Top Sources of NOx

- **Heavy-Duty Trucks**: 18.9 tons per day
- **Ships**: 17.4 tons per day
- **Off-Road Equipment**: 15.1 tons per day
- **Cars & Light Trucks**: 10.3 tons per day
- **Aircraft**: 7.7 tons per day
- **Commercial / Rec. Vessels**: 7.4 tons per day
- **Stationary Sources**: 4 tons per day
Program Milestones

2014

- Memorandum of Understanding with California Air Resources Board
- APCD Advisory

2016

- Outreach
- CARB Training

2017

- Mobile Source Enforcement Group
- Smoke Opacity Meters

2018

- Compliance School
- Mobile Source App

2019

- Increased Truck Inspections
- Smoke Opacity Limits Reduced
- Expanded Compliance School

CHP MOU
Mobile Source Regulations

1. Off-Road Equipment 13CCR 2449
2. Commercial Vehicle Idling 13CCR 2485
3. School Bus Idling 13CCR 2480
4. Statewide Truck and Bus 13CCR 2025
5. Heavy-Duty Vehicle Inspection Program 13CCR 2182
6. Drayage Trucks 13CCR 2027
7. Transportation Refrigeration Units 13CCR 2477
Mobile Source Sectors
Off-Road Inspections

Registered to current owner
EIN labels posted on both sides of vehicle
Idling Limit
Low-use vehicles under 200 hours
Fleet requirements
  - Emission targets and annual reporting
Adding vehicle restrictions
EIN Mishaps
ArcGIS Collector App
Mobile Source App
Enforcement Stats Off-Road Equipment

Vehicles Inspected

<table>
<thead>
<tr>
<th>Year</th>
<th>Vehicles Inspected</th>
<th>Citations Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>2967</td>
<td>562</td>
</tr>
<tr>
<td>2018</td>
<td>4225</td>
<td>528</td>
</tr>
<tr>
<td>2019</td>
<td>2333</td>
<td>194</td>
</tr>
</tbody>
</table>
Heavy Duty Truck Inspections

- CHP Inspection Facilities
- Construction Sites
- Ports
- Idling Complaints
- Cold Storage Facilities
- Truck Stops
Truck Inspections and TRU/Reefers
Truck Inspections
Enforcement Stats - Truck Inspections

- Years: 2017, 2018, 2019
- Categories: Vehicles Inspected, Citations Issued

<table>
<thead>
<tr>
<th>Year</th>
<th>Vehicles Inspected</th>
<th>Citations Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>787</td>
<td>258</td>
</tr>
<tr>
<td>2018</td>
<td>1006</td>
<td>201</td>
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<tr>
<td>2019</td>
<td>754</td>
<td>225</td>
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</tbody>
</table>
2019 Citation Types (Truck Inspections)

- Emission Control Label
- Heavy Duty Vehicle Inspection Program
  Smoke opacity violation or DPF failure alarm
- Transportation Refrigeration Units
- State Truck and Bus

- Idling 2%
- ECL 15%
- HDVIP 22%
- T&B 32%
- TRU 29%
% Non-Compliance

- Off-Road
- On-Road

Year: 2017 - 33%
Year: 2018 - 20%
Year: 2019 - 28%

Year: 2017 - 19%
Year: 2018 - 13%
Year: 2019 - 8%
Commercial Vehicle Idling Regulation

Heavy-duty diesel vehicles with a Gross Vehicle Weight Rating (GVWR) of 10,000 lbs. or heavier. Limited to 5 minutes for non-essential idling.

**Restricted areas** include housing units, schools, hotels, motels, hospitals, senior care facilities or childcare facilities.
Senate Bill 1 and Field Enforcement

**UPDATED SMOKE OPACITY STANDARDS**

<table>
<thead>
<tr>
<th>Engines Equipped with a Diesel Particulate Filter (DPF)</th>
<th>5% Opacity Limit</th>
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</thead>
<tbody>
<tr>
<td><strong>Pre-2007 Model Year (MY) Engines without a DPF</strong></td>
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<tr>
<td>1997 – 2006 MY Engines</td>
<td>20% Opacity Limit</td>
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<tr>
<td>1991 – 1996 MY Engines</td>
<td>30% Opacity Limit</td>
</tr>
<tr>
<td>Pre-1991 MY Engines</td>
<td>40% Opacity Limit</td>
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<tr>
<td>Engines Equipped with a Level 2 Verified Diesel</td>
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<tr>
<td>Emission Control Strategy (VDECS)</td>
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<tr>
<td>20% Opacity Limit</td>
<td></td>
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<tr>
<td>Two-Engine Cranes Driven by a non-DPF Off-Road Engine</td>
<td></td>
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</tbody>
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Mobile Source Program Contact:
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