

Waste Collection Vehicle Rule: Amendments For SCAQMD



Board Hearing
September 15 - 16, 2005

South Coast Rule 1193

- Adopted in 2000
- Covers Fleets of 15 or More
- All Types of Trucks Included
- Alternative Fuel Required for New Vehicles Beginning in 2001
- Approximately 1000 Alternative Fuel Vehicles Purchased by 2/05
- 241 Exemptions Granted by 2/05

ARB's Existing Rule

- Adopted September 23, 2003
- Private Companies and Municipalities Collecting Solid Waste for a Fee

What Vehicles?

- Trucks With 1960 - 2006 Diesel Engines
- Greater than 14,000 pounds
- On-Road Residential and Commercial
- Back-up & Transfer Trucks Excluded

Control Options Under Existing ARB Rule

- New Diesel Engines:
 - Certified to most stringent 2007 standard
- Existing Diesel Engines:
 - Apply ARB Approved Control Strategy
- Alternative-Fuel Engines:
 - Use Compressed or Liquefied Natural Gas

ARB's Proposed Rule: Emission Criteria

- 2005-2006 Model Year Engine:
 - 1.8 gm. NOx
 - 0.03 gm. PM
- 2007-09 Model Year Engine:
 - 0.2 gm. NOx
 - 0.01 gm. PM
- 2010 And Beyond:
 - Both Diesel and Alt. Fuel Comply

Emission Benefits and Cost Effectiveness

- Emission Benefits in 2010:
 - Beyond Rule 1193: 0.1 tpd NO_x
 - ARB stand-alone: 0.3 tpd NO_x
- Cost Effectiveness:
 - \$52K/ton of NO_x reduced
 - PM reduction not significant

Issues

- Suitability for Waste Collection Vehicles
- Reliability
- Engine Availability
- Fueling Facilities and Fuel Supply
- Neighborhood Exposure

Options for Board Consideration

- Adopt ARB Proposal – Seek Federal Waiver
- No Action – District Continues Enforcing Local Rule