Fleet Rule for Transit Agencies

Implementation Update
November 2006
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California Environmental Protection Agency
Air Resources Board

Today’s Presentation

• 2005 Changes to the Regulation
• Actions for 2007
• Reports Required January 31, 2007
2005 Changes

• Transit Fleet Vehicle Requirements
  – adopted February 24, 2005
  – effective January 31, 2006
• Urban Bus Requirements
  – amended September 15, October 21, and October 27, 2005
  – effective October 7, 2006

Transit Fleet Vehicle Requirements

“Transit Fleet Vehicle” means a vehicle greater than 8,500 (lbs) GVWR, powered by heavy-duty engine fueled by diesel or alternative fuel, owned or operated by a transit agency, and which is not an urban bus.
“Commuter Service Bus”

Defined as Transit Fleet Vehicle if:
- Powered by a heavy HD diesel engine or of a type normally powered by a heavy HD diesel engine
- Operates on a fixed route primarily during peak commute hours
- No passenger-initiated stops
- No more than 10 stops per day, excluding Park-and-Ride lots.

TFV Compliance Deadlines

<table>
<thead>
<tr>
<th>Date</th>
<th>% PM reduction from baseline</th>
<th>Fleet NOx Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1, 2005</td>
<td>0%</td>
<td>na</td>
</tr>
<tr>
<td>December 31, 2007</td>
<td>40%</td>
<td>3.2 or retire 1997 and earlier MY</td>
</tr>
<tr>
<td>December 31, 2010</td>
<td>80%</td>
<td>2.4 or retire 2001 and earlier MY</td>
</tr>
</tbody>
</table>
Extensions

- Financial Hardship
  - Section 2023(e)
  - <30 in transit fleet (both UB and TFV)
- Unavailability of Technology for PM
  - Section 2023(f)
- Delay of Implementation for PM
  - Section 2023(g)
  - <20 in transit fleet in 1 hour Ozone attainment

Transit Fleet Vehicles Only

- Extension
  - Service Contracts: Apply to Executive Officer for up to 1 year delay for the termination of equipment or equipment and service contracts defined by FTA: vehicle lease, maintenance/lease, turnkey
- Exemption
  - Low Usage Vehicle: non-revenue with <1000 miles per year usage
Urban Bus 2005 Amendments

SCAQMD Alt Path Req.
Urban Bus Engine Stds.

SCAQMD Alt Path Requirement

- Alternative Fuel Path is Mandatory in South Coast
- Effective October 7, 2006
- Follow Alternative Fuel Path PM and ZEB Deadlines
- SCAQMD is Enforcing Rule 1192
SC Transit Agencies Affected

Alternative Fuel Path
- Commerce
- Culver City
- Foothill
- Glendale
- L.A. MTA
- L.A. DOT
- Omnitrans
- Orange County
- Riverside
- Santa Monica
- Sun Line

Alternative Path as of October 2006
- Gardena
- Long Beach
- Montebello
- Norwalk
- Santa Clarita
- Torrance

2007 Urban Bus Engine Standard

- Urban Bus Certification Still Required
- Align With 2007 Truck HHD Std
  - Section 1956.8
Diesel Path
2007 MY Purchasing Requirement

• Diesel Path Agencies With >30 Urban Buses
• One-to-one Requirement for Each 2007 to 2009 MY Engine Purchased Certified Above 0.2 g NOx
• One NOx Retrofit for Each New Purchase
  • 40%+ NOx reduction if available; otherwise 25%
  • Limited to available vehicles within transit agency

Actions Required in 2007
By Transit Agencies
Diesel PM Reductions

- 2007 PM Requirements
  - January 1 for Urban Buses
    - 85% for Diesel Path
    - 60% for Alternate Path
    - January 1, 2002 PM Baseline
  - December 31 for Transit Fleet Vehicles
    - 40% Reduction
    - January 1, 2005 PM Baseline

NOx Reductions

- 2007 Requirements
  - Transit Fleet Vehicles
    - December 31
      - 3.2 g/bhp-hr Fleet Average, or
      - Retire pre-1998
Reports Due in 2007

Annual Reporting

• Annual Report Due 1/31/2007
• Separate report for Urban Buses and TFV:
  – Number, engine mfr & make, engine model year for all engines in buses, and fuel used as of 1/1/2007
Reporting Requirements (continued)

Urban Bus:
• Fleet PM Total as of 1/1/2007
• Alternative Fuel Path: Percentage of Alt. Fuel Buses Purchased or Leased
• Alternative NOx Strategy Transit Agencies
  – Provide update of compliance plan

Reporting Requirements (continued)

Transit Fleet Vehicle:
• Provide Update of Compliance Plan to Meet 12/31/07 NOx Requirement, if Changed
New Reporting Process

- Simplify Process
  - Starting January 31, 2007 report
  - Web based (live December 1, 2006)
  - Field edits and drop-down menus
- Update Existing Report Information
- First Time Reporting
- PM and NOx Average Calculated

Log-in Screen

Username
Password
First time users register
Create Personal Username and Password

Select agency name from drop-down box

Username
Password
Email

New transit agencies click here to register

Register Agency Name

Agency name, and address

Select county, city, air district and air basin from drop-down boxes
Annual Report New Format

- Edit agency or contact information
- Scroll down to view more vehicles

Annual Report New Format (cont)

- Delete or edit a vehicle
- Add a vehicle
- DECS retrofit info.
- Calculate NOx & PM
- Scroll down to view more vehicles
Contact Information

Reporting on Website:
www.arb.ca.gov/msprog/bus/bus.htm

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General Contact Information

ARB Website:
www.arb.ca.gov/msprog/bus/bus.htm

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ARB Listserver Website:
www.arb.ca.gov/listserv/listserv.php