

Fleet Rule for Transit Agencies



Implementation Update

November 2005
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California Environmental Protection Agency



Air Resources Board

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Today's Presentation

- 2005 Changes to the Regulation
- Reports Required January 31, 2006
- Actions for 2006

2005 Changes

- Transit Fleet Vehicle Requirements
 - adopted February 24, 2005
- Urban Bus Requirements
 - amended September 15, October 21, and 27, 2005

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.

Truck Engine Certification

•Service Class

– Heavy-duty (HD) Engine Is Used in a Heavy-duty Vehicle

- Light HD <19,500 lbs. GVWR
- Medium HD 19,500-33,000 lbs. GVWR
- Heavy HD >33,000 lbs. GVWR

•Emission Stds: title 13, CCR, §1956.8

TFV Compliance Deadlines

Date	% PM reduction from baseline	Fleet NOx Average
January 1, 2005	0%	na
December 31, 2007	40%	3.2 or retire 1997 and earlier MY
December 31, 2010	80%	2.4 or retire 2001 and earlier MY

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.

September 15, 2005 Amendment

- Alternative Fuel Path is Mandatory in South Coast
- Beginning 1/1/2006 Through 2015
- 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

Diesel Path

Gardena
Long Beach
Montebello
Norwalk
Santa Clarita
Torrance

Board Action October 20th and 27th Hearings

- Align with 2007 Truck HHD Std
 - Section 1956.8
- Diesel path agencies >30 Urban Buses
 - One NOx retrofit for each new purchase
 - 40%+ NOx reduction if available; otherwise 25%
 - Limited to available vehicles within transit agency
 - EO hardship appeal process
- Additional Process: 15 Day Changes

Reports Due in 2006 For 2005

Annual Reporting

- Annual Report Due 1/31/06:
 - Number, Engine Mfr & Make, Engine Model Year For All Engines in Buses, and Fuel Used as of 1/1
 - Alt.-Fuel Path List Bus Purchases & Leases, and Percentage of Alt. Fuel Buses Purchased or Leased

Reporting Requirements (continued)

- Alternative NOx Strategy Exemption, 7 TAs only
 - Shall Demonstrate Achievement of NOx Emission Benefits
 - Provide Update of Compliance Plan
 - Annual Reports Due Through 2016

Annual Reporting (continued)

- Transit Fleet Vehicles:
 - Number, Engine Mfr & Make, Engine Model Year For All Engines in Buses, and Fuel Used
 - January 1, 2005 Diesel PM Baseline
 - Actions to meet December 31, 2007 NOx Requirement

New Reporting Process

- Simplify Process
 - starting January 31, 2006 report
 - web based; register on line
 - text fields and drop down boxes
- Existing Report Information
- First Time Reporting
- PM and NOx Average Calculated

Actions Required in 2006 By Transit Agencies

Diesel PM Reductions

- Next requirement deadline is in 2007
 - 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 of January 1, 2005 PM Baseline
- (ARB will be following up on '04 and '05 Non-Compliance)

NOx Fleet Average

- Maintain Urban NOx Fleet Average
 - Applies to all transit agencies
 - 4.8 g/bhp-hr NOx as of October 1, 2002
- Plan for TFV NOx Fleet Requirement
 - 3.2 g/bhp-hr as of December 31, 2007

Contact Information

ARB Website :

www.arb.ca.gov/msprog/bus/bus.htm

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