



Airborne Toxic Control Measure for Stationary Compression Ignition Engines Advisory

Attention diesel fired compression ignition (CI) engine owners/operators of engines used for limited use and prime power:

The Final Regulation Order for Title 17 California Code of Regulations, Section 93115, Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition (CI) Engines was approved by the Office of Administrative Law on November 8, 2004, and became operative December 8, 2004. The Yolo-Solano Air Quality Management District (Y-S AQMD) began implementation of the ATCM on January 1, 2005. The purpose of this advisory is to provide Permit to Operate (PTO) holders with a summary of the this state regulation and the resultant changes in operation. The ATCM is intended to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled CI engines. The requirements of this regulation apply to any person who sells, leases, or purchases a CI engine in California with a rated brake horsepower greater than 50 (>50 bhp). The ATCM standards for engines used for prime power are summarized below:

- As of January 1, 2006, owner/operators of new or in-use prime engines must only fuel engines with CARB Diesel Fuel or an approved alternative.
- The operating requirements and emission standards summary for new and in-use engines are as follows:

Status	Diesel PM Standards (g/bhp-hr)	
	Applicability	Standard
New ¹	All	Meet ?0.01 g/bhp-hr
In-Use ¹	All off-road EPA certified (i.e Tier I, Tier II) in-use prime engines	Option 1: 85% reduction from baseline levels - OR - Option 2: 0.01 g/bhp-hr
	Only in-use prime engines NOT certified in accordance with the Off-Road CI Standards	Option 1: 85% reduction from baseline levels - OR - Option 2: 0.01 g/bhp-hr - OR - Option 3: 30% reduction from baseline levels - AND - 0.01 g/bhp-hr by no later than July 1, 2011

1. "New" means installed after January 1, 2005 including an engine relocated from an off-site location after January 1, 2005.

The District began implementing the above emission requirements on new limited use and prime engines

in January 2005. Owners/operators of existing engines affected by the ATCM will be required to submit a plan for attaining compliance.

- The recordkeeping, reporting, and monitoring requirements are as follows:
 - a) Engine specific information is required to be submitted to the District by July 1, 2005. To assist in regards to this requirement the District has enclosed a survey form to be completed and returned to the District by June 1, 2005. Information that could be obtained from PTO applications has been provided on each engine's survey form, however in addition to providing the outstanding data, the District requests that the information provided on the survey be verified.
 - b) Owners/operators must provide a plan for compliance and submit to the District no later than 180 days prior to the relevant compliance deadline.
 - c) A non-resettable hour meter must be installed upon engine installation, or by no later than January 1, 2005.
 - d) The compliance schedule for owners/operators with ?3 engines shall meet emission requirements in accordance with the following schedule:
 - S All pre-1989 through and including 1989 model year engines to be in compliance by no later than January 1, 2006;
 - S All 1990 through and including 1995 model year engines to be in compliance by no later than January 1, 2007;
 - S All 1996 and later model year engines shall be in compliance by no later than January 1, 2008.
 - e) The compliance schedule for owners/operators of ?4 engines shall meet emission requirements in accordance with the following schedule:

<u>Pre-1989 through and including 1989 model year engines</u>	
<u>Percent of Engines</u>	<u>Compliance Date</u>
50%	January 1, 2007
75%	January 1, 2008
100%	January 1, 2009
<u>1990 through and including 1995 model year engines</u>	
<u>Percent of Engines</u>	<u>Compliance Date</u>
30%	January 1, 2007
60%	January 1, 2008
100%	January 1, 2009
<u>1996 and LATER model year engines</u>	
<u>Percent of Engines</u>	<u>Compliance Date</u>
50%	January 1, 2008
100%	January 1, 2009
 - f) Sources of data to be used to meet the applicable ATCM emission requirements include:
 - a) off-road engine certification,
 - b) manufacturer test data,
 - c) test data from a similar engine,
 - d) and engine test data used in the Verification Procedure for the implemented emission control strategy.

If you have any questions on this matter, please contact Susan McLaughlin at (530) 757-3667 or toll-free in the (530), (916), and (707) area codes at (800) 287-3650.