



Airborne Toxic Control Measure for Stationary Compression Ignition Engines Advisory

Attention diesel fired compression ignition (CI) engine owners/operators of engines used to power emergency standby generators:

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 to power emergency standby generators are summarized below:

- As of January 1, 2006, owner/operators of in-use engines shall not add to the engines or any fuel tank directly attached to the engines any fuel, unless the fuel is CARB Diesel Fuel or an approved alternative.
- For engines on or near school grounds: new and in-use engines with emission greater than 0.01 g/bhp-hr, shall not operate for non-emergency use, including maintenance and testing: whenever there is a school sponsored activity, if the engine is located on school grounds; and between 7:30 a.m. and 3:30 p.m. on days when school is in session, if the engine is located within 500 feet of school grounds.
- The operating requirements and emission standards summary are as follows:

Status	Diesel PM Standards (g/bhp-hr)	Maintenance and testing (hours/year)
New ¹	? 0.15 ² ? 0.01 ²	50 51 - 100 (Not allowed in Y-S AQMD)
In-Use ¹	>0.40 >0.15 and ?0.40 >0.01 and ?0.15 ?0.01	20 21 to 30 31 to 50 51 to 100 (Not allowed in Y-S AQMD)

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

2. Or off-road certification standard (Title 13 CCR section 2423) for an off-road engine with the same maximum rated power, whichever is more stringent.

The District began implementing the above emission requirements on new engines in January 2005. All

existing engine permits will be updated to include the ATCM requirements upon permit renewal and will include revised permit limits on maintenance hours based on current PM emission rates.

- The recordkeeping, reporting, and monitoring requirements for engines 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) A non-resettable hour meter must be installed upon engine installation, or by no later than January 1, 2005.
 - c) Starting January 1, 2005, each owner/operator must keep monthly operation logs and fuel use through fuel purchase records. Records are to be retained for a minimum of 36 months from date of entry and made available to the District upon request.
 - d) The compliance schedule for in-use engines meeting the emission requirements through hours for maintenance and testing is compliance by no later than January 1, 2006.
 - e) Sources 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.