



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Compliance Advisory

June 29, 2011

New Agricultural Engine Rule

ATTENTION: AGRICULTURAL DIESEL ENGINE OWNERS/OPERATORS

SUBJECT: NEW REGULATION 11, TOXIC POLLUTANTS, RULE 17: LIMITED USE STATIONARY COMPRESSION IGNITION (DIESEL) ENGINES IN AGRICULTURAL USE

If you use a stationary diesel engine greater than 50 horsepower (hp) for agricultural operations, you must register the engine with the Air District. You must also comply with **EITHER** the State Regulation **OR** with the Air District's new Regulation 11, Rule 17, regarding emissions standards. Below is a summary of each option:



Option 1: Comply with the State Air Toxic Control Measure (ATCM) Title 17 CCR §93115

Below are the emissions standards and compliance dates set by the State:

- As of January 1, 2011, all Tier 0 (1996 and older) engines over 100 hp must meet Tier 3 emissions standards.
- Effective January 1, 2012, all Tier 0 engines over 50 hp must meet Tier 3 emissions standards.
- Tier 1 and Tier 2 engines over 175 hp must meet Tier 4 emissions standards effective January 1, 2015, or 12 years after initial installation, whichever comes last.
- Tier 1 and Tier 2 engines from 50 – 175 hp must meet Tier 4 emissions standards effective January 1, 2016, or 12 years after initial installation, whichever comes last.

A copy of the ATCM can be found at <http://www.arb.ca.gov/diesel/ag/documents/finalreg101807.pdf>

The most practical way to meet these more stringent emission standards is to replace the engine with a new, cleaner burning Tier 3 or Tier 4 engine. If you have a question about engine tier classifications, please contact the Air District at one of the numbers provided below.

Option 2: Comply with Air District Regulation 11, Rule 17

The Air District's new rule was adopted to provide an extension of the State regulation's compliance deadlines for certain low-use agricultural engines, while achieving greater emissions reductions in the long-term. Regulation 11, Rule 17 provides an Alternate Compliance Plan for low-use agricultural diesel engines. The Alternate Compliance Plan will:

- For Tier 0 and Tier 1 engines, extend the compliance deadline to December 31, 2020
- For Tier 2 engines, extend the compliance deadline to December 31, 2025
- Require that each Tier 0, Tier 1, or Tier 2 engine be replaced with an engine meeting Tier 4 emissions standards, or the lowest emissions engine available at the time of replacement.

You must apply and qualify for the Alternate Compliance Plan to be subject to the extended compliance deadlines. To qualify for the Alternate Compliance Plan, an engine must:

- Be used exclusively for an agricultural operation
- Be registered in the Air District's Agricultural Diesel Engine Registration Program
- Be equipped with a non-resettable hour meter
- Be used less than 100 hours per (one-year) registration renewal period averaged over any consecutive three registration renewal periods, and must not exceed 150 hours in any registration renewal period
- Be located more than 1,000 feet from housing, schools or health care facilities, OR conduct a Health Risk Screening Analysis to demonstrate that site-specific and cumulative cancer risks and PM_{2.5} ground level concentrations meet required limits

Application Deadline: All applications for the Alternate Compliance Plan must be submitted by December 31, 2011.

Effective July 1, 2011, the Agricultural Diesel Engine Registration Page on the Air District's website will be updated with an online application process for Alternate Compliance Plan engines and exempt engines.

The Air District operates an Agricultural Assistance Program that offers funding to help offset the cost of new engines for any owner/operator who chooses to comply with the requirements of the State regulation or Regulation 11, Rule 17 before the compliance deadlines. For more information about funding opportunities contact:

 Stacy Shull at (415) 749-4955 or sshull@baaqmd.gov

Regulation 11, Rule 17 provides an exemption from emissions standards, but not from registration requirements, for any agricultural diesel engine used less than 20 hours per year.

The Agricultural Engine Registration website can be found at:

 <http://www.baaqmd.gov/Divisions/Engineering/Equipment-Registration/Agricultural-Diesel-Engines.aspx>

Please refer to the regulation for more information about disqualification from exemption or Alternate Compliance Plan status (Section 403), and additional engine-use allowance due to an extreme frost season (Section 303). A copy of the regulation can be found on the Air District website at:

 <http://www.baaqmd.gov/rules>

You can also contact the Air District at the following numbers:

-  For further questions regarding this Advisory contact: Brandon Dayoan, Air Quality Inspector at (415) 749-4645, or bdayoan@baaqmd.gov
-  For information or assistance with Agricultural Engine Registration or Health Risk Screening Analysis, contact: Joe Slamovich at (415) 749-4681, or jislamovich@baaqmd.gov
-  For compliance assistance, call (415) 749-4999, the Compliance Counselor Hotline