



COMPLIANCE ASSISTANCE BULLETIN
June 2009

District Rule 4702 Requirements for Diesel Engines Used in Agricultural Operations

Compression-ignited internal combustion engines, primarily diesel, are required to be in full compliance with the new emissions standards of Rule 4702 by **January 1, 2010**. This includes stationary and transportable irrigation pump engines of horsepower greater than 50 all the way up to and including 750. This does not include existing diesel engines used to power emergency standby electrical generators. Existing standby electrical generators need a Permit to Operate (PTO), but do not need to meet the new emission standards. To be in full compliance by January 1, 2010, there are certain actions and requirements that need to be fulfilled before that date.

Please note that many owners of engines have undertaken the first steps towards compliance many years ago by obtaining PTO, as was required after January 1, 2004. This next phase is designed to control or reduce exhaust emissions from engines and must be complied with whether or not the engine has a PTO from the Air District.

After January 1, 2010, except for existing emergency standby engines, and engines over 500 HP operating more than 1000 annual hours*, operation of any diesel engine that is not rated as a Tier 1, 2, 3, or 4 is prohibited.

*these engines must comply with certain emission limits as explained in #3 below

How to Comply with Rule 4702?

To comply with the requirements of Rule 4702, owners/operators shall submit either an Authority to Construct (ATC) permit application or a Permit-Exempt Equipment Registration (PEER) application by the *upcoming deadline* specified below. The application should identify the chosen compliance method. Possible compliance methods include:

- 1) Replace engine with an electric motor (this compliance method does not require an ATC or PEER application);
- 2) Replace Tier 0 engine with an EPA rated Certified Tier 3 or 4 engine;
- 3) For engines over 500 horsepower **and** operating more than 1000 hours annually only, – meet the following emissions limits:

Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-0244
(209) 557-6400 ♦ FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 ♦ FAX (559) 230-6062

Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500 ♦ FAX (661) 392-5585

CONTINUED ON BACK

80 ppm NO _x
2,000 ppm CO
750 ppm VOC

Deadlines for Submitting Permit or PEER Applications

ATC permit applications are due by July 1, 2009.
PEER applications are due by October 1, 2009.

Permit to Operate or PEER?

The need for a PTO or a PEER is determined by the total emissions from each farm. Farms with NO_x or VOC emissions over 12.5 tons/year must obtain a PTO for each engine. Farms with lower emissions must obtain a PEER for each engine. For help determining if your engines will require a PTO or a PEER and how to proceed, please call one of the Air District's **Small Business Assistance (SBA)** hotlines shown below.

What if you previously installed a Tier 1 or Tier 2 engine?

Certified Tier 1 and Tier 2 diesel engines installed prior to June 1, 2006 do not need to be replaced until January 1, 2015 or 12 years after first installation, whichever is later. Please keep purchase records of the installation date. At the earliest, ATC and PEER applications for the replacement of these Tier 1 and Tier 2 engines shall be filed by July 1, 2014 and October 1, 2014 respectively. The Air District's SBA staff can assist in determining if an engine is Tier 1 or 2.

Related Internet Links

Full Rule 4702 text: <http://valleyair.org/rules/currnrules/r4702.pdf>

ATC applications: <http://www.valleyair.org/busind/pto/ptoforms/1ptoformidx.htm>

PEER applications: <http://www.valleyair.org/busind/pto/PEER/ApplicationForms.htm>

Where Can I get Help?

Rule 4702 may affect your operation in ways not mentioned in this Bulletin as there may be further exemptions and requirements. Please call the Air District's SBA for help in determining how the Rule affects your farm, dairy, or operation. The SBA numbers are listed below:

Modesto: 209-557-6446 Fresno: 559-230-5888 Bakersfield: 661-392-5665