



**COMPLIANCE ASSISTANCE BULLETIN**  
November 2011

***Rule 4702 – INTERNAL COMBUSTION ENGINES – Upcoming Requirements for Engines used exclusively in Non-Agricultural Operations***

Rule 4702 is intended to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO<sub>x</sub>) from internal combustion engines and was recently amended on August 18, 2011.

**Emission Limits for a Spark-Ignited Internal Combustion Engine Rated at >50 bhp Used Exclusively in Non-Agricultural Operations (Non-AO)**

The operator of a spark-ignited internal combustion engine rated at >50bhp that is used exclusively in Non-AO must demonstrate compliance with the applicable emission limits listed in Table 2 of District Rule 4702 by the full compliance date listed in Section 7.5. Depending on how many engines are at each stationary source, full compliance dates begin on January 1, 2014, and occur each year thereafter until January 1, 2017. In lieu of complying with the NO<sub>x</sub> emission limit, an operator may elect to pay an annual fee to the District.

Operators of Non-AO spark-ignited engines that have exhaust control devices (e.g. catalytic control) must submit an emission control plan (ECP). The operator will inform the District, amongst other details, how the engine will meet the lower emission limits and how it will comply with the new SO<sub>x</sub> requirement. If the previous approved ECP contains the required information, then a new one is not required. However, the operator must submit a letter to the District indicating that the previously approved plan is still valid. The ECP is due by the following date:

- *January 1, 2012*, for operators with one engine at a stationary source.
- *July 1, 2012*, for operators with 2 or more engines at a stationary source.

**CONTINUED ON THE BACK**

## **Stationary Compression and Spark-Ignited Engines Rated at Least 25 Brake Horsepower, Up To, and Including 50 Brake Horsepower and Used in Non-AO**

On and after July 1, 2012, no person shall sell or offer for sale any new or existing Non-AO spark-ignited engine or any Non-AO compression-ignited engine unless the engine meets the applicable requirements and emission limits specified in 40 Code of Federal Regulation (CFR) 60 Subpart III (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) and 40 CFR 60 Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines) for the year in which the ownership of the engine changes.

*By January 1, 2013, the operator must submit a one-time report that includes the number of engines at the stationary source, and the following:*

1. Location of each engine
2. Engine manufacturer
3. Model designation and engine serial number
4. Rated horsepower
5. Type of fuel and type of ignition
6. Combustion type: rich burn, lean burn, or compression
7. Purpose, and intended use of the engine
8. Typical daily operating schedule
9. Fuel consumption for the previous one-year period

Existing engines powering emergency standby electrical generators do not need an ECP nor do they need to meet the lowered emissions limits, nor do they need to be included in the one-time report.

Rule 4702 may affect your operation in ways not mentioned in this Bulletin. You may find additional exemptions, requirements, and information by reading the full text of the rule at: <http://www.valleyair.org/rules/currnrules/R4702Rule.pdf> or by calling the District's SBA staff at the numbers listed below:

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