

# **RULE 412 REGISTRATION REQUIREMENTS FOR STATIONARY AND PORTABLE COMPRESSION IGNITION ENGINES USED IN AGRICULTURAL OPERATIONS**

Adopted 12-13-07  
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## 100 GENERAL

**101 PURPOSE:** To establish procedures for the issuance of Certificate(s) of Registration for stationary and portable compression ignition (CI) engines utilized in Agricultural Operations within the District.

### 102 APPLICABILITY

102.1 Geographic: The provisions of this rule apply to agricultural operations located anywhere in Placer County.

102.2 Application: This rule applies to all stationary and portable CI engines rated at greater than 50 brake horsepower (bhp) that are used in Agricultural Operations within the District.

102.3 Severability: If any section, subsection, sentence, clause, phrase or portion of this rule is, for any reason, held invalid, unconstitutional, or unenforceable by any court of competent jurisdiction, that portion shall be deemed as a separate, distinct and independent provision, and the holding shall not affect the validity of the remaining portions of the rule.

### 103 EXEMPTIONS:

103.1 Exemption, Agricultural Wind Machines: The provisions of this rule shall not apply to any CI engine used to power an agricultural wind machine.

103.2 Exemption, Intermittent-Use: The in-use stationary diesel agricultural emission standard and other requirements of section 93115.8(b) of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines shall not apply to intermittent-use engines until the following dates:

103.2.1 Tier 0 diesel engines – 12/31/2020

103.2.1 Tier 1 or Tier 2 diesel engines – 12/31/2025

103.3 Exemption, Low-Use: The in-use stationary diesel agricultural emission standard and other requirements of section 93115.8(b) of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines shall not apply to diesel low-use engines.

103.4 Exemption, Resident Engine: An owner/operator of an engine who can show to the satisfaction of the APCO that the engine operated primarily in the Placer County Air Pollution Control District's jurisdiction prior to August 11, 2011, but that they had no knowledge of the requirement to register their engine, can qualify as a resident engine so long as they submit an initial application within 60 days of being notified of the program and pay fees equivalent to the amount they would have paid had they registered in a timely manner.

## 200 DEFINITIONS

**201 AGRICULTURAL OPERATIONS:** Growing and harvesting of crops or the raising of fowl or animals for the primary purpose of making a profit, providing a livelihood, or conducting agricultural research or instruction by an educational institution. Agricultural operations do not include activities involving the processing or distribution of crops or fowl.

**202 AIR POLLUTION CONTROL OFFICER (APCO):** The Air Pollution Control Officer of the Placer County Air Pollution Control District, or designee.

- 203 CERTIFICATE OF REGISTRATION:** A certificate issued by the APCO acknowledging expected compliance with the applicable requirements of this Rule at the time the certificate is issued.
- 204 CI ENGINE:** A compression-ignited two or four-stroke engine in which liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition.
- 205 EMERGENCY STAND-BY ENGINE:** A CI engine used only as follows:
- 205.1 When normal power line or natural gas service fails;
- 205.2 For the emergency pumping of water for either fire protection or flood relief.
- An emergency stand-by engine may not be operated to supplement a primary power source when the load capacity or rating of the primary power source has either been reached or exceeded.
- 206 ENGINE RATING:** The output of an engine as determined by the engine manufacturer and listed on the nameplate of the engine.
- 207 INTERMITTENT-USE ENGINE:** An engine which meets all of the following:
- 207.1 is a resident engine;
- 207.2 is a remote engine;
- 207.3 the owner has modified their District registration to claim the intermittent-use status;
- 207.4 operates less than a cumulative total of 2,000 hours after receiving a District registration with an intermittent-use status; and
- 207.5 is not also a low-use engine.
- 208 IN-USE ENGINE:** A stationary or portable CI engine whose installation or use commenced prior to the date of the adoption of this rule.
- 209 MAINTENANCE OPERATION:** The use of an emergency stand-by engine and fuel system during testing, repair and routine maintenance to verify its readiness for emergency stand-by use.
- 210 LOW-USE ENGINE:** An engine which meets all of the following:
- 210.1 is a resident engine;
- 210.2 is a remote engine;
- 210.3 the owner has modified their District registration to claim the low-use status;
- 210.4 operates less than 200 hours per year after receiving a District registration with a low-use status;
- 210.5 operates less than a cumulative total of 2,400 hours after receiving a District registration with a low-use status; and
- 210.6 is not also an intermittent-use engine.
- 211 NEW ENGINE:** A stationary or portable CI engine whose installation or use commenced after the date of adoption of this rule.

- 212 PORTABLE CI ENGINE:** Portable means designed and capable of being carried or moved from one location to another. Indicia of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. For the purposes of this rule, a portable engine must be used exclusively at agricultural sources under common ownership.
- 213 REMOTE ENGINE:** An engine which is located more than one-half mile from any residential area, school, or hospital. An engine that is located within one-half mile of a residential area may be classified as a remote engine if a health risk assessment approved by the APCO shows a cancer risk of less than ten in one million increased cancer risk at any residences within one-half mile.
- 214 RESIDENT ENGINE:** An engine which was registered in Placer County Air Pollution Control District's jurisdiction prior to August 11, 2011 and maintains that registration. If the registration is ever cancelled, the engine can never be subsequently registered as a resident engine.
- 215 RESIDENTIAL AREA:** A residential area is defined as three or more permanent residences (i.e., homes) located anywhere outside the agricultural operation's property.
- 216 SCHOOL:** School or school grounds means any public or private school used for purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home. School grounds includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
- 217 STATIONARY CI ENGINE:** A CI engine that is designed to stay in one location, or remains in one location.

## **300 STANDARDS**

- 301 REGISTRATION:** By the applicable compliance schedules specified in Section 401 of this rule, the owner or operator of a new or in-use stationary or portable agricultural CI engine to which this rule is applicable, shall submit a complete registration application to the District.
- 302 HOUR METER:** A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained operational on each intermittent-use and low-use engine.

## **400 ADMINISTRATIVE REQUIREMENTS**

### **401 COMPLIANCE SCHEDULES**

- 401.1 Compliance Schedule: In-Use Engines: Owners or operators of in-use stationary or portable agricultural CI engines shall comply with the provisions of Section 301 of this rule by March 1, 2008.
- 401.2 Compliance Schedule: New Engines: Owners or operators of new stationary or portable agricultural CI engines shall comply with the provisions of Section 301 of this rule within 90 days of installation.
- 401.3 Certificate Renewal: Certificates of Registration shall be valid for a period of three (3) years from the date issued and shall be renewable upon payment of all applicable fees, submittal of information requested, and verification that the engine is in compliance with all District requirements.

401.4 Fees: A fee shall be required for registration and renewals pursuant to Rule 601, PERMIT FEES – STATIONARY SOURCE.

**402 INTERMITTENT-USE STATUS:** Requests for an exemption per section 103.2 shall be initiated by an owner or operator filing a District application for each intermittent-use engine along with documentation that the engine was used in the District prior to (effective date of this rule). A registration fee is required.

**403 LOW-USE STATUS:** Requests for an exemption per section 103.3 shall be initiated by an owner or operator filing a District application for each low-use engine along with documentation that the engine was used in the District prior to (the effective date of the rule). A registration fee is required.

**404 APPLICATION REQUIREMENTS:** As part of the registration application, each owner or operator subject to the provisions of this rule shall provide the APCO the following data:

404.1 Date of registration application submittal;

404.2 Name, title (as applicable), and signature of person submitting the registration application;

404.3 Name, mailing address and telephone number of the engine owner and of the operator, if the owner is not also the operator;

404.4 Date of installation or anticipated installation;

404.5 Year of manufacture, or approximate age if unable to determine year of manufacture;

404.6 Make, model and serial number;

404.7 Maximum rated brake horsepower;

404.8 Certification status with respect to Off-Road CI Engine Certification Standards (Title 13, California Code of Regulations, Section 2413) if available;

404.9 Estimated annual average operating hours;

404.10 Each fuel used and estimated annual average gallons of each fuel used, if alternative diesel fuels are used;

404.11 Location description that clearly identifies the location of the engine, which includes at least one of the following: latitude and longitude; universal trans meridian (UTM) coordinates; global positioning satellite data (GPS); address, town and nearest cross streets and distance and direction from the cross streets to the engine; parcel or plot number/designation; or other complete description that clearly identifies the location of the engine. For portable engines, provide information for each use location;

404.12 For an engine located within one-quarter mile (1,320 feet) of a receptor location (residential area, school, or hospital):

404.12.1 Distance (in meters or feet) from engine to a receptor location;

404.12.2 Direction from engine to a receptor location;

404.12.3 Location of engine and receptor that clearly identifies each location, including at least one of the following for each: latitude and longitude; universal trans meridian (UTM) coordinates; global positioning satellite data (GPS); address, town and nearest cross streets and distance and

direction from the cross streets to the engine and receptor location; or other complete description that clearly identifies the locations.

- 405 RECORDKEEPING:** An owner or operator of each intermittent-use and each low-use engine shall keep records of the actual number of hours the engine is operated on a calendar quarterly basis. Such records shall be retained for a minimum of 60 months past the date the engine was last used. Records shall be made available to District staff within 5 working days from the District's request.
- 406 REPORTING:** Owners or operators of intermittent-use engines and low-use engines operating under the exemption in section 103.2 or section 103.3 shall:
- 406.1 Submit an annual report (in a format approved by the District) by January 31<sup>st</sup> of every year, detailing the actual operating hours for the previous calendar year for each registration.
- 406.2 If the actual cumulative usage of any engine ever exceeds the registration condition limiting the hours, cease using the engine immediately and notify the District in writing within five days after they become aware that the hours were exceeded.
- 407 CERTIFICATE SCHEDULE:** The APCO or his appointed representative shall issue a Certificate of Registration, deny the issuance of a Certificate of Registration, or deem the application incomplete within ninety (90) days of the receipt of an application. The applicant shall be notified in writing of the reasons for denial of the registration or finding an application to be incomplete.
- 408 ON-SITE INSPECTIONS:** The District may conduct an on-site inspection of the engine to verify compliance with District Regulations and State law.
- 409 NOTIFICATION REQUIREMENTS:** The owner or operator of a registered CI engine shall notify the District in writing no later than 14 days after any change of owner or operator, change in location, installation or commencement of an emissions control strategy, replacement of the engine with a new CI engine, or replacement with an electric motor or non-CI engine.
- 410 VIOLATIONS:** Failure to comply with any provision of this rule shall constitute a violation of this rule.