



Air Pollution Control District
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FORM AG-2 INSTRUCTIONS FOR USE OF THE AGRICULTURAL ENGINE REGISTRATION APPLICATION FORM AG-1

This Form AG-2 provides instructions for filling in the registration application Form AG-1. Following the instructions are key definitions for terms used in the application form and in the State Airborne Toxic Control Measure for Stationary Compression Ignition Engines (ATCM). You may contact the APCD for the county the engines reside using the phone number and/or e-mail address above.

FORM INSTRUCTIONS:

Submit one registration application for each engine along with the filing fee noted on Form AG-1.

Submit the application to the District that the engine resides in or primarily resides in during the year.

Section 1 – Facility Name:

The facility name is typically the facility's "doing business as" name. If the facility encompasses more than one parcel, list all the APN that apply.

Section 2 – Engine Owner:

If the unit is rented or leased, provide the information for that owner here, check Yes that it is a rental engine, and be sure to fill in the other contact information for the Operator of the engine (i.e., the farm). Rental engines that are "registered" in the State PERP program are required to be registered under the APCD registration program. Engines that are owned and operated by third parties (i.e., irrigation contractors) are required to be registered under the APCD registration program.

Section 3 – Other Contacts:

Check each box as appropriate. If the Owner is the same for all the contacts, then no further information is needed. If the engine is a rental or is leased, make sure that the Operator box is checked and that the information is provided in Section 16.

Section 4 – Authorized Agent:

An authorized agent is any non-employee representing your company on your behalf. The APCD requires Section 17 be completed for each agent you authorize to represent you.

Section 5 – Purpose of Application:

Check the box that best describes the reason for the application. New engines as defined in the ATCM as any engine installed on or after January 1, 2005. All engines installed prior to that date are considered existing in-use engines.



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INSTRUCTIONS for APPLICATION FORM AG-1 (*continued*)

Section 6 – District:

Check which county the engine will or may be used in.

Section 7 – Engine Use:

Check or describe the primary use of the engine.

Section 8 – Engine Classification:

State whether the engine is stationary, seasonal or portable. See the definitions below. For the purposes of this registration process, “portable” engines used for booster pumps and well pumps are considered “stationary”. This ensures that the stationary diesel ATCM applies and allows for certain engines to qualify for the remote engine exemption. As a general rule, most engines are considered stationary regardless of the portability aspect of the engine.

Section 9 – Engine Data:

Provide the required engine data. If available, a copy of the engine data sheet and/or a photo of the actual engine nameplate will help us process the application.

Section 10 – Standby Electrical Generators:

Fill in this section only if you have a diesel powered generator (and don’t forget to complete the rest of the form). Contact your electrical utility if you are unsure about the ISC questions.

Section 11 – Remote Engine Exemption:

The exemption applies only to existing in-use engines (i.e., those engines installed prior to 2005). The definitions of *Remotely-Located Agricultural Engine* and *Residential Area* define when this exemption can be used. Currently, as of August 2007, only Ventura County is considered not in attainment with federal air quality standards. This means that the remote engine exemption does not apply for engines when used in Ventura County.

Section 12 –New Engines:

Note that a new engine is defined as any engine installed on or after January 1, 2005. You can obtain the EPA Family Name off the engine nameplate or from your engine supplier.

Section 13 –Engine Location:

In order for the APCD to properly evaluate your engine’s compliance status with the ATCM, the State requires the exact location of the engine. The geographic coordinates are typically provided in terms of Latitude and Longitude. Another popular coordinates system is UTM coordinates. UTM means Universal Transverse Mercator and is one of the outputs from handheld GPS devices. The Datum is the reference point used with UTM data and is specified as NAD27, NAD83 or WGS84 on the GPS device or map. Google Earth, a free online program, is the easiest way to get both the geographic coordinates and an aerial map of the farm/ranch. Google Earth uses WGS84 as its UTM reference Datum.

Section 14 –Emission Controls:

Only complete this section if your engine has “add on” particulate matter emission controls.



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INSTRUCTIONS for APPLICATION FORM AG-1 *(continued)*

Section 15 –Signature:

The application must be signed. The application will be considered “incomplete” if this section is not fully completed.

Section 16 –Additional Contacts:

Fill in this section as needed. If the engine is not owned by the agricultural operation, then make sure that the Operator Section here is filled in.

Section 17 –Authorized Agent:

Complete this section if the application is prepared by a non-employee of the agricultural operation and for ongoing contacts with the APCD as noted in the checkbox selections.

IMPORTANT DEFINITIONS:

"Agricultural Operations" means the 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.

"Agricultural Wind Machine" means a stationary CI engine-powered fan used exclusively in agricultural operations to provide protection to crops during cold weather by mixing warmer atmospheric air with the colder air surrounding a crop.

"Compression Ignition (CI) Engine" means an internal combustion engine with operating characteristics significantly similar to the theoretical diesel combustion cycle. The regulation of power by controlling fuel supply in lieu of a throttle is indicative of a compression ignition engine.

"Date of Initial Installation" means one of the following, whichever is earlier:

- a. the date on which a new stationary diesel-fueled engine is placed at a location in order to be operated for the first time since delivery from the manufacturer or distributor, or,
- b. for the purposes of a Tier 1- or Tier 2-certified stationary diesel agricultural engine complying with section 93115.8(b)(3) emission standards, one year from January 1 of the model year of such engine.

"Facility" means one or more contiguous properties, in actual physical contact or separated solely by a public roadway or other public right of way, under common ownership on which engines operate.

"In Use" means an existing diesel engine that is not a "new" diesel engine.

"New" or "New CI Engine" means the following:



INSTRUCTIONS for APPLICATION FORM AG-1 *(continued)*

- (1) a stationary CI engine installed at a facility after January 1, 2005, including an engine relocated from an off site location after January 1, 2005, except the following shall be deemed in use engines:
 - (A) a replacement stationary CI engine that is installed to temporarily replace an in use engine while the in use engine is undergoing maintenance and testing, provided the replacement engine emits no more than the in use engine, and the replacement engine is not used more than 180 days cumulatively in any 12 month rolling period;
 - (B) an engine for which a district approved application for a district permit or engine registration for stationary sources was submitted to the District prior to January 1, 2005, even though the engine was installed after January 1, 2005;
 - (C) an engine that is one of four or more engines owned by an owner or operator and is relocated prior to January 1, 2008, to an offsite location that is owned by the same owner or operator;
 - (D) an engine, or replacement for an engine, used in agricultural operations that is relocated within the same facility or to another facility under the same owner or operator for use in agricultural operations, unless the engine is sited where an engine is not currently located and has not been previously located
 - (E) an engine installed at a facility prior to January 1, 2005, and relocated within the same facility after January 1, 2005.
 - (F) a model year 2004 or 2005 engine purchased prior to January 1, 2005, for use in California. The date of purchase is defined by the date shown on the front of the cashed check, the date of the financial transaction, or the date on the engine purchasing agreement, whichever is earliest.
 - (G) a greater than 50 bhp Tier 1- or Tier 2-certified stationary diesel agricultural engine installed after January 1, 2005, shall be considered a new engine subject to the requirements of section 93115.8(a) until 12 years after the date of initial installation, at which time, it shall be considered an in use engine subject to the requirements of section 93115.8(b)(3)

- (2) a stationary CI engine that has been reconstructed after January 1, 2005, shall be deemed a new engine unless the sum of the costs of all individual reconstructions of that engine after January 1, 2005, is less than 50% of the lowest available purchase price, determined at the time of the most recent reconstruction, of a complete, comparably equipped new engine (within + 10% of the reconstructed engine's brake horsepower rating). For purposes of this definition, the cost of reconstruction and the cost of a comparable new engine shall not include the cost of equipment and devices required to meet the requirements of this ATCM.

"Portable CI Engine" means a compression ignition (CI) engine designed and capable of being carried or moved from one location to another, except as provided in section 93115.4(ttt). Indicators of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. The provisions of this definition notwithstanding, an engine with indicators of portability that remains at the same facility location for more than 12 consecutive rolling months or 365 rolling days, whichever occurs first, not including time spent in a storage facility, shall be deemed a stationary engine.

"Receptor location" means any location outside the boundaries of a facility where a person may experience exposure to diesel exhaust due to the operation of a stationary diesel fueled CI engine. Receptor locations include, but are not limited to, residences, businesses, hospitals, daycare centers, and schools.



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"Remotely-Located Agricultural Engine" means a stationary diesel-fueled CI engine used in agriculture that is:

- (1) located in a federal ambient air quality area that is designated as unclassifiable or attainment all PM and ozone national ambient air quality standards (title 40, Code of Federal Regulations, section 81.305 et seq.); and
- (2) located more than one-half mile from any residential area, school, or hospital

"Residential Area" means three or more permanent residences (i.e., homes) located anywhere outside the facility's property

"Stationary agricultural diesel engine" means a diesel engine used in agricultural operations that can perform its operation at one location, or remains in one location. An engine is stationary if any of the following are true:

- a. The engine is attached to a foundation, or if not so attached, resides at the same agricultural operation for more than 12 consecutive months. A backup, standby or replacement engine, that replaces an engine at an agricultural operation and is intended to perform the same or similar function as the engine being replaced, shall be included in calculating the consecutive time period. The cumulative time of all engines, including the time between the removal of the original engine and installation of the replacement engine, shall counted toward the consecutive time determination; or
- b. The engine is not attached to a foundation but is located at a seasonal agricultural operation for less than 12 consecutive months. The engine or its replacement must operate during the full annual operating period of the seasonal operation; or
- c. The engine is moved from one location to another in an attempt to circumvent the 12 month residence time requirement in Section C.9.a above. The period during which the engine is maintained at a storage facility shall be excluded from the time determination.
- d. The engine is, or is designed to be carried or moved and serves the same primary function at a single agricultural operation as defined by the definition of "Installation" or "Building, Structure or Facility" found in Rule 102.

NOTE: See the complete text of the Air Toxics Control Measure at arb.ca.gov/diesel/ag/ag.htm and the APCD's Agricultural webpages at:

San Luis Obispo County: http://www.slocleanair.org/business/ag_ops/

Santa Barbara County: <http://www.sbcapcd.org/eng/atcm/dice/ag.htm>

Ventura County: <http://www.vcapcd.org/HelpFarmersNewLaw.htm>