

Agricultural Diesel Engine Registration

Frequently Asked Questions

1. Does the portable pump engine (non-emergency), have a Tier level requirement in order to apply for an air district registration?

According to District Rule 220 (Agricultural Diesel Engine Registration) a “new” engine is defined as a diesel engine that is purchased on or after March 1, 2008. Rather than meeting a Tier level requirement, engines used in agricultural operations, other than generator sets, must meet the requirements set forth in Table 5 in [District Rule 1010](#).



Tier 4 Final for >50 bhp

Table 5 from District Rule 1010 Summary of the Emission Standards for New Stationary Diesel-Fueled CI Engines > 50 BHP Used in Agricultural Operations (see Subsection 3.4.1.1)	
Horsepower Range (hp)	Diesel PM
	Diesel PM Standards (g/bhp-hr)
All Applications Greater Than 50 But Less Than 100, Other Than Generator Sets	Less Than or Equal to 0.30 ¹ Or Off-Road CI Engine Certification Standard for an off-road engine of the same maximum rated power, whichever is more stringent ²
All Applications Greater Than or Equal to 100 But Less Than 175, Other Than Generator Sets	Less Than or Equal to 0.22 ¹ Or Off-Road CI Engine Certification Standard for an off-road engine of the same maximum rated power, whichever is more stringent ²
All Applications Greater Than or Equal to 175, Other Than Generator Sets	Less than or Equal to 0.15 ¹ Or Off-Road Engine Certification Standard for an off-road engine of the same maximum rated power, whichever is more stringent ²
Generator Set Engines Greater Than 50	Less than or Equal to 0.15 ¹ Or Off-Road CI Engine Certification Standard for an off-road engine of the same maximum rated power, whichever is more stringent. ²

1. Prior to January 1, 2008, these limits shall not apply to engines sold from one agricultural operation to another and funded under State or federal incentive funding programs, as specified in 3.4.1.2.

2. Or the engine is a certified Tier 2 or Tier 3 engine meeting 0.15 g PM/bhp-hr with a Level 3 Verified Diesel Emission Control Strategy.

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2. If you buy a portable pump for irrigation, what are your responsibilities for permitting?

Portable diesel fueled engines used exclusively in agricultural operations and rated at 50 horsepower or more, unless owned by a rental business, are exempt from California's Portable Airborne Control Measure (ATCM). However, the engine is not exempt from obtaining a local Air District registration. The owner or operator must submit an application and pay fees to register their portable engine. The registration form and fee sheet can be downloaded from the Air District's website (link provided below).

3. Are there exclusions (or relaxed) requirements for remotely located engines (e.g. a temporary prime power requirement)?

Section 1.3.1 of Rule 1010 exempts emergency engine-generator and remotely located engines from "in-use" emissions standards. A "new" remotely located engine-generator must meet "new" emission standards (Table 5 of Rule 1010, Section 3.4). An in-use (purchased before March 1, 2008) remotely located engine-generator is exempt from meeting the emissions standards. Section 2.59.2 of Rule 1010 defines a remotely located engine as, an engine located more than ½ mile from residential area, school or hospital; moreover, a residential area is defined as 3 or more homes outside facility property, therefore, 1 or 2 homes can be included in ½ mil radius and engine still defined as remote. Please note that these exemptions are for engine-generator applications not for irrigation pumps.

4. What are the requirements for a stationary emergency generator-engine at an agricultural source?

Please refer to question 3 for the answer to this question.

5. How long can a rented portable engine (owned by rental company) be used at an agricultural source?

Per the State definition of portable, a registered portable engine cannot be used more than 12 consecutive months at one location.

6. Where can I find the information for permitting (or registration)?

District Rule 220 - <https://www.arb.ca.gov/DRDB/MBU/CURHTML/R220.PDF>

District Rule 1010 - <https://www.arb.ca.gov/DRDB/MBU/CURHTML/R1010.PDF>

Link to District an Agricultural engine registration form and fee sheet:

<http://mbard.org/programs-resources/permitting-engineering/permit-applications/forms/>

Link to the California Air Resources Board's Portable Equipment regulations:

<https://arb.ca.gov/portable/perpact/portable-activity.htm>

Please note that the State regulations are being revised and changes could impact your requirements. Please check back on these websites at the end of 2018.