

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
PHONE (858) 586-2600 • FAX (858) 586-2601**

CERTIFICATE OF COMPLIANCE & CERTIFICATE OF REGISTRATION
RULE 12.1
BEC/FS: : <u>12920/34X</u>

San Diego APCD Use Only
APP/Reg. No.:
ID No.:
Existing P/O No.:

PORTABLE DIESEL-FIRED PISTON-TYPE INTERNAL COMBUSTION ENGINE (NEW)

Name of Owner (DBA): _____

Legal Owner if different from DBA: _____

Equipment Description: Year _____ Manufacturer: _____

Model No.: _____ Serial No.: _____ HP Rating: _____

Type of Fuel: _____ Date of equipment residing in California: _____

I, _____, certify that I will be in compliance with all applicable District Rules and
(Print or type name)

Regulations and the following conditions:

1. The total NOx or VOC emissions from a unit shall not exceed 100 pounds during any one-day for each pollutant. (Rule 12.1)
2. PM10 emissions, excluding area fugitives, from a unit shall not exceed 150 pounds per day. (Rule 12.1)
3. The actual emissions of any air contaminant, except area fugitive emissions, from this unit, as verified by required recordkeeping, shall not exceed 10 tons per calendar year (January through December) in any air pollution control district in which such unit is operated. (Rule 12.1)
4. This engine shall be certified to meet the federal or California tiered emission standard for non-road engines as shown in the equipment description above. (17 CCR 93116.3)
5. Except for emergency operations, an emission unit shall not be operated within 1,000 feet of any K-12 school unless California Health and Safety Code Section 42301.6 is met. (Rule 12.1)
6. This engine shall only use California Air Resources Board (CARB) Diesel Fuel. (Rule 12.1, 17 CCR 93116.3)
7. The operator shall notify the District within two days from when a registered unit is relocated into the District. The notification shall be as specified in Rule 12.1.
8. As part of the rental agreement, the owner of a registered rental unit shall provide the operator with a copy of applicable requirements of Rule 12.1 including notification and recordkeeping.
9. The following records regarding operation of this equipment in San Diego County shall be maintained and made available to the District for at least two years from the date recorded. Records shall be provided to each participating air pollution control district in which the equipment was operated within 30 days after the end of every calendar quarter:
 - i. The date and locations at which the equipment was operated.
 - ii. Date and hours of operation or the type and quantity of fuels consumed on a daily basis. (Rule 12.1)
10. Visible emissions including crank case smoke shall comply with Rule 50.
11. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
12. The engine shall meet the weighted diesel particulate matter emissions fleet averages in years 2013, 2017, and 2020 in accordance with 17 CCR 93116.3(c).
13. A status report containing the information required in 17 CCR 93116.4(e) shall be submitted to ARB by March 1, 2011.
14. A statement of compliance signed by the responsible official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and its associated emission rate shall be submitted to ARB by March 1, 2013, March 1, 2017, and March 1, 2020 as required in 17 CCR 93116.4 (e). (Rule 12.1)
15. Registrant or operator shall provide access, facilities, utilities, and any necessary safety equipment for source testing and inspection upon request of the Air Pollution Control District. (Rule 19)
16. A copy of this registration certificate must be kept with the equipment and presented upon request to the Air Pollution Control District. (Rule 12.1)
17. This engine shall not reside at the same location for more than 12 consecutive months. (Rule 12.1)
18. Days when a portable emission unit is stored in a designated holding or storage area shall not be counted towards the above time limits, provided the emission unit was not operated on the calendar day except for maintenance and was in the designated holding or storage area the entire calendar day. (Rule 12.1)
19. In the event that a portable emission unit is not portable, the holder of this certificate of registration shall submit an application for a Permit to Operate to the District. (Rule 12.1, Rule 10)

Signature: _____ Date: _____

Title: _____ Affiliation: _____

CERTIFICATE OF REGISTRATION (FIRST YEAR)

Every person who operates this equipment is required to comply with all Air Pollution Control District Rules and Regulations, including Rule 12.1 and the state Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. Any person who violates a rule or regulation of the Air Pollution Control District or any of the conditions listed above is guilty of a misdemeanor and may be subject to civil and criminal penalties. To remain valid, this certificate must be renewed annually in accordance with District Rule 40.

Approved by: _____
(APCD Engineer's Signature)

Date: _____

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(1) **“Portable Emission Unit”** means any emission unit that is designed to be and capable of being carried or moved from one location to another. Indications of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, platform, or mounting. An emission unit is not portable if:

(i) the emission unit remains or will remain at a location for more than 12 consecutive months. Any emission unit, such as a back-up or standby unit, that replaces an emission unit at a location and is intended to perform the same function as the unit being replaced will be included in calculating the consecutive time period. In that case, the cumulative time of both emission units, including the time between the removal of the original unit and installation of the replacement unit, would be counted towards the consecutive residence time period; or

(ii) the emission unit remains or will remain at a location for less than 12 consecutive months where such a period represents the full length of normal annual source operations at the location; or

(iii) the emission unit is moved from one location to another in an attempt to circumvent the portable emission unit residence time requirement.

The period during which the emission unit is maintained at a storage facility shall be excluded when determining the above residency limitations.

(2) **General Prohibitory Requirements**

(i) Except for emissions from existing emission units, the total NO_x or VOC emissions from a project shall not exceed 100 pounds during any one-day for each pollutant.

(ii) The total PM₁₀ emissions from a project, including both existing and new emission units shall not exceed 150 pounds during any one day.

(iii) No air contaminant shall be released into the atmosphere which causes a public nuisance.

(iv) Except for emergency operations, an emission unit shall not be operated within 1,000 feet of any K-12 school unless the applicable public and student notification requirements of California Health and Safety Code Section 42301.6 have been satisfied.

(v) When operated as a registered portable emission unit, the actual emissions except area fugitive emissions from an emission unit, as verified by the recordkeeping prescribed by this rule, shall not exceed 10 tons per year of any air contaminant in any participating district in which such unit is operated.

(vi) Diesel-fired Piston-type Internal Combustion Engines:

(A) For naturally aspirated engines, the engine injector timing shall be retarded by a minimum of four degrees from the manufacturer's standard timing, or the NO_x emissions shall not exceed 10 grams per brake horsepower-hour (700 ppmv at 15 percent O₂).

(B) For turbo charged engines, the engine injector timing shall be retarded by a minimum of four degrees from the manufacturer's standard timing, or the NO_x emissions shall not exceed 7.2 grams per brake horsepower-hour (500 ppmv at 15 percent O₂).

(C) The sulfur content of any diesel fuel used shall not exceed 0.05 percent by weight.

(D) Particulate matter emissions concentration shall not exceed 0.10 grain per standard dry cubic feet.

(E) Except for visible emissions from pile drivers, no air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one-hour which is as dark as or darker than Ringelmann 1 or equivalent 20 percent opacity. Pile drivers shall comply with the applicable provisions of §41701.5 of the California Health and Safety Code.

(F) If the NO_x emission limits, as specified in Subsection (d)(2)(iii)(A) or (d)(2)(iii)(B) are not met, in addition to injector retard, all engines with ratings greater than 50 brake horsepower, but equal to or less than 117 brake horsepower, that do not qualify as existing emission unit, shall be equipped with turbochargers.

(G) If the NO_x emission limits, as specified in Subsections (d)(2)(iii)(A) or (d)(2)(iii)(B) are not met, in addition to injector retard, all engines with ratings greater than 117 brake horsepower that do not qualify as existing emission units, shall be equipped with turbochargers and aftercoolers.