



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B008075

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2013

OWNER OF OPERATOR (Co.#88)

NAWS
429 E Bowen Road - Stop 4014
China Lake, CA 93555-6108

EQUIPMENT LOCATION (Fac.#567)

NAWCWD Test Stands
429 E Bowen Road - Stop 4014
China Lake, CA 935556108

Description:

DIESEL IC ENGINE, GENERATOR consisting of: Year of Manufacture 1998, Tier 0; South Range

One Cummins, Diesel fired internal combustion engine Model No. 6CTA8.3-G2 and Serial No. SN45728986, After Cooled, Direct Injected, Turbo Charged, producing 252 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 15.0 gal/hr. This equipment powers a Marathon Magna Max Generator Model No. 431PSL1265 and Serial No. LM225957-0698, rated at 175kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	8.5	gm/bhp-hr
NOx	6.9	gm/bhp-hr
PM10	0.4	gm/bhp-hr

CONDITIONS:

1. This Diesel IC engine is subject to emission limitations pursuant to 17 CCR 93115, ATCM for stationary compression ignition engines, and 40 CFR 63 Subpart ZZZZ, National Emission Standard For Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. In the event of conflict between the permit conditions and these regulatory requirements, the more stringent requirements shall govern. [Rule 204]

Fee Schedule: 1 (c)

Rating: 252 bhp

SIC: 9711

SCC: 20100102

Location/UTM(Km):
450E/3946N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

NAWS
Environmental Management Division

China Lake, CA 93555-6108

By: **COPY**
Brad Poiriez
Executive Director

2. This engine shall meet the CO emission levels of 40 CFR 63 Subpart ZZZZ no later than May 3, 2013; if a CO catalyst is required, the owner/operator (o/o) shall obtain a District approved Authority To Construct (ATC) Permit prior to commencing modifications. [40 CFR 63 Subpart ZZZZ; 63.6612; Rule 204]

3. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [Rule 204]

4. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR \S93115.5]

5. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR 93115; 40 CFR \S63.6625(f)]

6. The owner/operator shall conduct maintenance and inspections in accord with the following schedule. All maintenance and inspections must occur at least annually regardless of operating hours. a) Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i); b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63.6630(a); Table 2d.4.; Subpart ZZZZ]

7. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
 - b. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
- [17 CCR 93115]

8. This Diesel ICE shall not be operated unless it meets the emission requirements of Table 5 of the Diesel ATCM, \S 93115.7 ATCM for Stationary CI Engines – Stationary Prime Diesel-Fueled CI Engine (>50 bhp) Emission Standards. (Presently this Diesel ICE does not meet these requirements).
[17 CCR \S93115.7(b)]

9. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below: a. Monthly and calendar year operation in terms of total hours [17 CCR 93115.10(e)]; b. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); c. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 6 above [40 CFR 63.6655(a)(4)] ; d. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)]; and, e. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR 63.6655(a)(5)].