



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B010587

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2015

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 (SOUTH RANGE, GARCIA SITE) consisting of: A certified Tier III diesel engine manufactured in 2007, EPA Family 7CEXL0540AAB, equipped with a Level 3 verified (ARB Executive Order DE-05-002-02) diesel particulate filter manufactured by CleanAIR systems. Engine exhaust flow (pre-DPF) is 1106 acfm at 990 degrees Fahrenheit.

One Cummins, Diesel fired internal combustion engine Model No. QSL9-G2 NR3 and Serial No. 46793318, Direct Injected, Turbo Charged, After Cooled, Diesel Particulate Filter, Electronic Control Module, Compression-Ignited, producing 364 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 18.5 gal/hr. This equipment powers a Cummins Generator Model No. 200DSHAC and Serial No. TBD, rated at 200 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.5	gm/bhp-hr
NOx+NMHC	2.9	gm/bhp-hr
PM10	0.016	gm/bhp-hr
SOx	0.005	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be

Fee Schedule: 1 (c)

Rating: 364 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**
Eldon Heaston
Air Pollution Control Officer

operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4211(a) and (c), District Rule 204]

2. 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 93115.10(d), District Rule 204]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
 1. A minimum cetane index of 40; or,
 2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:

- a. Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
- b. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
- c. Maintenance and repair actions performed on the engine;
- d. Maintenance and repair actions performed on both the Diesel Particulate Filter and its associated backpressure monitor; and
- e. Records of all performance tests and evaluations.

[40 CFR 63.10(b) and 17 CCR 93115.10]

5. The Diesel Particulate Filter must be equipped with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.10(d)]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS).

[District Rule 1302]

7. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Particulate Filter;
- b. Electronic Control Module; and
- c. Backpressure Monitor

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[40 CFR 60.4211, MDAQMD Rule 1302]

8. This engine shall not be operated more than 3,125 hours in any consecutive 12 month period.

[District Rules 204, 1303 and 1305]