MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

E009541

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2016

OWNER OF OPERATOR (Co.#84)

NTC - Public Works
Bldg 602, 5th Street
Fort Irwin, CA 92310

EQUIPMENT LOCATION (Fac.#589)

NTC Training Mission
Bldg. 602, 5th street
Fort Irwin, CA 923105085

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR (REDPASS SHELTER MOUT) consisting of: A certified Tier II diesel engine, USEPA Family 6CEXL0239AAG, manufactured in 2006 with no exhaust after-treatment device installed. Exhaust flow is 391 ACFM at 754 degrees Fahrenheit:

One Cummins, Diesel fired internal combustion engine Model No. 4BTA3.9-G5 and Serial No. S46572984, After Cooled, Compression-Ignited, Direct Injected, Turbo Charged, producing 99 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 4.8 gal/hr. This equipment powers a Cummins Generator Model No. DGBB and Serial No. A060879117, rated at 35 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.37	gm/bhp-hr
NOx+NMHC	5.07	gm/bhp-hr
PM10	0.15	gm/bhp-hr
SOx	.005	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine 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 operated in accordance with all data and

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 9711 | SCC: 20100102 | Location/UTM(Km): 529E/3902N

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.

NTC - Public Works
Attn: Air Resources Manager

Fort Irwin, CA 92310

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

specifications submitted with the application for this permit.
[40 CFR 63.6640(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d), 40 CFR 63.6625(f)]

3. This equipment 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:
(i) A minimum cetane index of 53; or,
(ii) A maximum aromatic content of 20 volume percent.
[17 CCR 93114; 17 CCR 93115.5(b); and 13 CCR 2281-2282]
Note: Use of CARB certified ULSD fuel satisfies these 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 three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:
a. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);
c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) or total hours;
d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
e. Maintenance performed on this equipment.
[17 CCR 93115.10(f)]

5. This engine shall not be operated for more than 22 hours in any rolling consecutive 24 hour period for routine maintenance or testing purposes.
[District Rule 1303]

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 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP). In the event of a conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.
[District Rule 1302]

7. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when primary power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance.
[17 CCR 93115.6(a)(3)(1)(c)]

8. The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

9. The owner/operator shall conduct inspections in accordance with the following schedule. All 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.
The District must be notified within 5 working days of any exceedance of these maintenance intervals, noting the duration, cause, and corrective actions taken.

[40 CFR 63.6630(a), Table 2d, 40 CFR 63.6640(b), and 40 CFR 63.6650(d)]

10. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(b)]

11. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.
[District Rule 204]