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

RENEWAL

E008334

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#87)

Commanding Officer, MCLB Barstow, CA
Box 110570 Bldg 196 Attn: Air Program Manager
Barstow, CA 92311-5050

EQUIPMENT LOCATION (Fac.#587)

USMC MCLB - Yermo Annex
USMC Logistics Base
Barstow, CA 923115013

Description:
NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: Yr of Mfg 2001, BLDG 610, Venting through a Miratech Model EQ-701-12-C1 and MEC-2001 catalytic converter and air/fuel ratio controller. Facility Elevation is 1964 ft above MSL.

One Cummins/Cummins Great Lakes Inc., NG fired internal combustion engine Model No. GTA 19 G1 and Serial No. 25271553, After Cooled, Ignition Retarded, Turbo Charged, producing 495 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 4058 scf/hr. This equipment powers a Stamford Generator Model No. BS 5000 and Serial No. H010276088, rated at 325 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	8.5	gm/bhp-hr
NOx	6.9	gm/bhp-hr
PM10	0.38	gm/bhp-hr
VOC	1.0	gm/bhp-hr

CONDITIONS:

1. 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 under which this permit is issued. [40 CFR Subsection 63.6605]

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 9711 | SCC: 20100202 | Location/UTM(Km): 512E/3861N

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.

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Barstow, CA 92311-5050

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

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

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time used for source testing will not be counted toward the 100 hour per year limit.
[District Rule 1302(B)(1)(a); 40 CFR Subsection 63.6640(f)(1)(ii)]

4. The owner/operator shall maintain an operations log for this engine, which shall include, at a minimum, the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
a. Date and duration of each use (in hours, from hour meter);
b. Reason for use (testing and maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in scf) and total hours; and
d. Records of all maintenance actions performed as required in Condition 7.
[District Rule 1302(B)(1)(a); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR Subsection 63.6655]

5. 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)]

6. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302(B)(1)(a)]

7. The owner/operator shall conduct maintenance actions and 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 within one year plus 30 days of the previous change, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(j);
b. Inspect spark plugs every 1,000 hours of operation or within one year plus 30 days of the previous inspection, whichever comes first, and replace as necessary; and
c. Inspect all hoses and belts every 500 hours of operation or within one year plus 30 days of the previous inspection, whichever comes first, and replace as necessary.
[40 CFR 63.6640(b), Table 2c, Table 6, and 40 CFR 63.6650(d)]

8. 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.
[District Rule 1302(B)(1)(a)]

9. No fuel other than natural gas may be used without prior approval of the District.
[District Rules 1302(B)(1)(a), 431]

10. This unit shall emit no more than the following BACT limits, which are all expressed in grams per brake-horsepower hour:
NOx = 6.9
CO = 8.5
PM10 = 0.38
VOCs = 1.0 and Non-methane hydrocarbons of 0.3.
[District Rule 1303]

11. A facility wide Comprehensive Emission Inventory Report (CEIR) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40

CFR 51, Subpart A]