



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E014164

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: JANUARY 2027

OWNER OF OPERATOR (Co.#1165)

CALFIRE Dept of Forestry - MDAQMD
3800 N. Sierra Way
San Bernardino, CA 92405-2344

EQUIPMENT LOCATION (Fac.#2553)

CaSta Dept of Forestry - Phelan
9600 Centola Rd
Phelan, CA 92340

Description:

LPG IC ENGINE, EMERGENCY GENERATOR consisting of: USEPA engine family MCEXB05.9ARB, exhaust flow is 411.1 acfm at 1383.5 degrees Fahrenheit. Exhaust stack 8 feet above ground level, exhaust stack diameter 4 inches. Facility Elevation: 3992 feet above MSL

One Cummins, LPG fired internal combustion engine Model No. QSJ5.9G-G1 and Serial No. D210914343, Other, Other, Air-To-Fuel Ratio Controller, Four-Stroke Rich Burn, Spark-Ignited, producing 84.7 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 321.6 scf/hr. This equipment powers a Cummins Generator Model No. C50 N6 and Serial No. D210914343, rated at 50 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	84.5	gm/bhp-hr
NOx	6.56	gm/bhp-hr
PM10	0.0552	gm/bhp-hr
PM2.5	0.0547	gm/bhp-hr
SOx	0.01665	gm/bhp-hr
VOC	0.34	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 84.7 device

SIC: 9224

SCC: 20100202

Location/UTM(Km):
473E/3808N

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.

CALFIRE Dept of Forestry - MDAQMD
3800 N. Sierra Way
San Bernardino, CA 92405-2344

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This stationary, spark-ignited, internal combustion engine and its associated control devices 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.
[District Rules 204 and 1303; 40 CFR 60.4243]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 1302(C)(2)(a)]

3. This unit shall be fired on commercial grade Liquefied Petroleum Gas (LPG) fuel only.
[District Rule 1302(C)(2)(a)]

4. 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.
[District Rule 1302(C)(2)(a); 40 CFR 63.6640(f)]

5. The owner/operator shall maintain an operations log for this unit 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 information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and,
- d. Records of all inspections, maintenance and repair actions.

[District Rule 1302(C)(2)(a); 40 CFR 63.6640(f)]

6. The owner/operator shall keep records of the following information:

- a. All notifications submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification.
- b. Maintenance conducted on the engine.
- c. Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.
- d. If the stationary SI internal combustion engine is operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

[40 CFR 60.4245; 40 CFR 90.103]

7. Engine may operate in response to notification of impending involuntary 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(C)(2)(a)]

8. 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(C)(2)(a); 40 CFR 63.6640(f)]

9. A facility wide Comprehensive Emission Inventory (CEI) 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]