



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

E009438

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. #993)

CaSta Dept of Water Resources
P.O. Box 1187
Pearblossom, CA 93553

EQUIPMENT LOCATION (Fac. #2820)

CaSta DWR Silverwood Lake
Silverwood Lake - CS Dam SEG
Silverwood Lake, CA 92345

Description:

PROPANE IC ENGINE, EMERGENCY GENERATOR consisting of: A Cummins/Ford LPG-fueled engine manufactured in 2006 with no exhaust after-treatment devices installed. Exhaust flow is 330 cfm at 1130 degrees Fahrenheit:

One Cummins Power Generator, LPG fired internal combustion engine Model No. ESG642 and Serial No. 06YK52805, Electronic Control Module, Four-Stroke Rich Burn, Spark-Ignited, producing 74 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 7.1 gal/hr. This equipment powers a Cummins Power Generation Generator Model No. GGFE 60hz and Serial No. E060916805, rated at 47.0 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.129	lbs/gal
NOx	0.139	lbs/gal
PM10	0.005	lbs/gal
SOx	0.0004	lbs/gal
VOC	0.083	lbs/gal

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4941

SCC: 20301001

Location/UTM(Km):
471E/3796N

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.

CaSta Dept of Water Resources
P.O. Box 1187

Pearblossom, CA 93553

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

1. This certified, stationary, spark-ignited, internal combustion engine and its associated 3-way catalytic converter 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 Rule 1302; 40 CFR 60.4243]

2. This unit shall be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel only.
[40 CFR 60.4243]

3. 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]

4. This unit shall be operated no more than 100 hours per year for testing and maintenance.
[40 CFR 60.4243]

5. The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of two (2) 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);
- c. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and,
- d. Maintenance and Repair actions on both the engine and the Air-to-Fuel Ratio Controller.

[40 CFR 60.4245]

6. The Air-to-Fuel Ratio Controller shall be used in conjunction with the operation of the three-way catalyst, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243]

7. 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]

8. 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]

9. This engine is subject to the requirements of 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the NSPS, the more stringent requirement shall govern.
[District Rule 1302]

10. 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]