



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

E013983

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: JUNE 2025

OWNER OF OPERATOR (Co. #2370)

Hi-Desert Water District
55439 Twentynine Palms Highway
Yucca Valley, CA92284

EQUIPMENT LOCATION (Fac. #4042)

Hi-Desert Water District - Cobalt Road
56313 Cobalt Road
Yucca Valley, CA92284

Description:

PROPANE/LPG IC ENGINE, EMERGENCY GENERATOR consisting of: Engine is an 4-Stroke EPA Certified EPA Family LGNxB08.92O2; AQMD Model: F08.9GSV106A0 (LPG); Production Date: 20200210; Stack is 4 feet tall and 2.5 inches in diameter and exhausts at 1100 degrees F, at a flow rate of 638 cfm. Facility Elevation is 4003 feet above sea level.

OneGenerac, LPG fired internal combustion engine Model No. E08.9GSV106A0 (LPG) and Serial No. 3005592549, producing 142 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 379 scf/hr. This equipment powers a Generac Generator Model No. SG80 and Serial No. 3005592549, rated at 80 Kw.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.22	gm/bhp-hr
NOx	0.20	gm/bhp-hr
NOx+NMHC	0.21	gm/bhp-hr
PM10	0.0	gm/bhp-hr
VOC	0.01	gm/bhp-hr

CONDITIONS:

1. This engine, certified in accordance with 40 CFR Part 1048, and after treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those

Fee Schedule: 7 (g) Rating: 1 device SIC: 4941 SCC: 20100202 Location/UTM(Km): 450E/3789N

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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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[40 CFR 60.4231(c), 60.4233(c), 60.4234, and 60.4243(a)(2)(ii)]

2.This unit shall be fired on PUC-regulated pipeline quality natural gas or Propane/LPG only.

[40 CFR 60.4243, District Rule 1302(C)(2)(a)]

3.Engine may operate in response to a planned electrical outage, operate no more than 30 minutes prior to the forecasted outage, and shut down immediately after normal electrical power is restored.

[District Rule 1302(C)(2)(a)]

4.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)]

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 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) for both fuel types (natural gas and propane) or total hours; and

d. Maintenance and repair actions, including date and description.

[40 CFR 60.4243(a)(1) and 60.4245(a)(2)]

6.This unit shall not be operated more than 100 hours for non-emergency maintenance and testing in any consecutive 12-month period (1-year). Emergency is defined as an unplanned interruption to normal commercial power.

[District Rules 1160, 40 CFR 60.4243]

7.This engine is subject to 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines and these permit conditions. In the event of conflict, the more stringent requirements shall govern.

[District Rule 1302]

8.The facility must submit accurate emissions inventory data 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]