



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

E011863

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: JULY 2025

OWNER OF OPERATOR (Co. #1107)

Verizon Wireless
15505 Sand Canyon Avenue, D-104
Irvine, CA 92618

EQUIPMENT LOCATION (Fac. #3451)

Verizon Wireless - Black Metal Mountain
Black Metal Hill
Parker Dam, CA 92267

Description:

LPG/PROPANE IC ENGINE, EMERGENCY GENERATOR consisting of: Year of manufacturer 2013, USEPA Family Name DGNXB05.42L2.

OneGenerac, LPG fired internal combustion engine Model No. C05.4GSV061A0 and Serial No. E172A 0603130650421, Air-To-Fuel Ratio Controller, Spark-Ignited, Three-Way Catalyst (also NSCR), producing 81.7 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 7.8 gal/hr. This equipment powers a Generac Generator Model No. SG035 and Serial No. 8122414, rated at 35 kW(e).

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 0.70 | gm/bhp-hr |
| NOx | 0.10 | gm/bhp-hr |
| PM10 | 0.01 | gm/bhp-hr |
| SOx | 0.0105 | gm/bhp-hr |
| VOC | 0.04 | gm/bhp-hr |

CONDITIONS:

1. This certified spark-ignited engine and after treatment control device (catalytic converter) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Furthermore, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance

Fee Schedule: 7 (g) Rating: 1 device SIC: 4813 SCC: 20100102 Location/UTM(Km): 750E/3785N

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.

Verizon Wireless
15505 Sand Canyon Avenue

Irvine, CA 92618

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

with all data and specifications submitted with the application for this permit.
[40 CFR 60.4234]

2.The air-to-fuel ratio controller will be used with the operation of the three-way catalytic converter. The AFRC must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 604243(g)]

3.This unit shall only be fired on commercial grade Liquified Petroleum Gas (LPG) / Propane fuel with a maximum of 185 ppm Sulfur by weight.
[District Rules 431, 1302(C)(2)(a), and 1320]

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.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 required for source testing will not be counted toward the 100 hour per year limit.
[40 CFR 60.4243]

6.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. All notifications and documentation submitted to comply with 40 CFR 60, Subpart JJJJ[40 CFR 60.4245(a)(1)];b. Any maintenance conducted on the engine including date and nature of repairs [40 CFR 60.4245(a)(2)];
- d. Documentation from the manufacturer that this engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable[40 CFR 60.4245(a)(3)]; and
- e. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours [District Rule 1302(C)(2)(a)].

7.This engine is subject to 40 CFR 60 Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines.
[40 CFR 60 Subpart JJJJ; District Rule 1302]

8.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]