



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

E015539

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JULY 2027

OWNER OF OPERATOR (Co. #1107)

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

EQUIPMENT LOCATION (Fac. #2931)

Verizon Wireless - Big Maria
9 miles North of
Blythe, CA 92225

Description:

LPG/PROPANE ICE, EMERGENCY GENERATOR consisting of: A LPG-fired internal combustion engine, USEPA family SGNXB04.42L2-024, manufactured in 2025. Exhaust flow approximately 214 acfm, at 1342 degrees Fahrenheit through a 4.8 foot high by TBD inch diameter exhaust stack. Equipment is located at an elevation of 686 feet.

One Generac, LPG fired internal combustion engine Model No. TBD and Serial No. TBD, producing 54 bhp with 4 cylinders at rpm while consuming a maximum of 5.28 gal/hr. This equipment powers a Generac Generator Model No. SG035 and Serial No. TBD, rated at 35 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.13	gm/bhp-hr
NOx	0.17	gm/bhp-hr
PM10	0.2216	gm/bhp-hr
PM2.5	0.2216	gm/bhp-hr
SOx	0.0155	gm/bhp-hr
VOC	0.02	gm/bhp-hr

Fee Schedule: 7 (g)

Rating: 54 device

SIC: 4813

SCC: 20201001

Location/UTM(Km):
729E/3737N

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
Executive Director

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine, certified in accordance with 40 CFR Part 1048, and its associated control devices shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, 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 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. 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 204]

3. This unit shall be fired on commercial grade Liquefied Petroleum Gas (LPG) fuel only to meet the requirements of less than 500 ppm by weight.
[District Rule 204 and 431]

4. This unit shall be limited to use for emergency power, defined as in response to a fire, flood, or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per rolling 12 month period for testing and maintenance, excluding compliance source testing. This unit may be operated up to 50 hours per rolling 12 month period for non-emergency situations. This 50 hours will be counted toward the 100 hour allowance for testing and maintenance.
[40 CFR 60.4243(d)]

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. District Permit number, unit identification number, and Emissions Control Equipment identification number, when applicable.
 - b. Date of each use and duration of each use (in hours);
 - c. Reason for use (testing & maintenance, emergency, required emission testing);
 - d. Rolling 12 month operation log in terms of fuel consumption (in standard cubic feet or gallons) or total hours;
 - e. Records of all inspections, maintenance and repair actions; and,
[District Rule 204; District Rule 1302; 40 CFR 60.4245]

6. 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 204]

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 204; 40 CFR 60.4243(d)]

8. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[40 CFR 60.4231(c), District Rule 1302]

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. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material.
[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]