



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

E012268

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: MARCH 2016

OWNER OF OPERATOR (Co.#1107)

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

EQUIPMENT LOCATION (Fac.#3566)

Verizon Wireless - Coxcomb
Highway 62 (8 miles W. of Hwy 177)
Twentynine Palms, CA 92277

Description:

PROPANE IC ENGINE, GENERATOR consisting of: Year of manufacturer 2012, USEPA Family Name CGNXB05.42L2. Exhaust stack is 5.17' high and 0.21' in diameter with an exhaust flow of 260 CFM at 900 degrees F.

One Generac, Propane fired internal combustion engine Model No. 5.4 and Serial No. TBD, Four-Stroke Lean Burn, producing 81.7 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 219.8 scf/hr. This equipment powers a Generac Generator Model No. SG035 and Serial No. TBD, 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 | 0.009987 | lbs/MMBtu |
| SOx | 0.000588 | lbs/MMBtu |
| VOC | 0.04 | 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 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 Part 60 Subparts 60.4243(b)]

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4813

SCC: 20301001

Location/UTM(Km): 586E/3778N

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

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.
[40 CFR 60.4237(c) and 60.4245(b)]

4.In order for the engine to be considered an emergency stationary ICE under 40 CFR 60, Subpart JJJJ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited.

a. There is no time limit on the use of emergency stationary ICE in emergency situations.

b. The owner/operator may operate this emergency stationary ICE for any combination of the purposes specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 'c.' of this condition counts as part of the 100 hours per calendar year.

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

c. This emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 'b.' of this condition. Except as provided in '(i)' of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[40 CFR 60.4243]

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, etc.);

c. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and

d. Maintenance and Repair actions.

[40 CFR 60.4245]

6.This engine is subject to 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines.

7.The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.