



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

E015394

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: MARCH 2027

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 LPG IC ENGINE, EMERGENCY GENERATOR consisting of: USEPA engine family REDIB02.5MSG, manufactured in 2024. The exhaust flow is 274 ACFM at 1250 degrees Fahrenheit. Exhaust stack is 6.75 feet above ground level with an exhaust stack diameter 0.125feet. Equipment is at an elevation of 1197 feet above sea level.

One Ford, LPG fired internal combustion engine Model No. MSG 425 and Serial No. TBD, Naturally Aspirated, producing 60 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4.4 gal/hr. This equipment powers a Polar Power Generator Model No. V027PFB500TEV and Serial No. TBD, rated at 27kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.032	lbs/hr
NOx	0.075	lbs/hr
PM10	0.022	lbs/hr
PM2.5	0.022	lbs/hr
SOx	0.002	lbs/hr
VOC	0.004	lbs/hr

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4813

SCC: 20301002

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
Executive Director

CONDITIONS:

1. This EPA certified, stationary, spark-ignited, internal combustion engine and factory control device shall be installed, operated and maintained in strict accordance 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.
[40 CFR 60.4243(a)(1)]

2. This Permit Unit shall be fired exclusively on Liquefied Petroleum Gas (LPG) fuel.
[District Rule 204]

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 204]

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.
[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) calendar 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. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Rolling 12 month operation log in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and,
 - d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst.[District Rule 204; 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 generator is intended to replace the engine permitted under MDAQMD Permit E012327 and may not be operated concurrently with the older permitted unit. The generator replaced by this Permit Unit may not be stored as backup and must be disconnected from site electrical mains prior to the startup of this Permit Unit.
[District Rule 204]

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.
[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; 40 CFR 51, Subpart A]