



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

E013531

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: JUNE 2027

OWNER OF OPERATOR (Co.#1379)

Federal Aviation Administration
280 N. El Ceilo Road #2
Palm Springs, CA 92262-7721

EQUIPMENT LOCATION (Fac.#3949)

FAA - PKE VORTAC
8500 Radio Tower Road
Vidal, CA 92280

Description:

LPG IC ENGINE, EMERGENCY GENERATOR consisting of: A propane/LPG fueled emergency generator manufactured in 2017 under USEPA Family HPSIB4.302ED, with no exhaust after-treatment system. Exhaust flow is 310 acfm at 1200 degrees Fahrenheit.

One General Motors, Propane fired internal combustion engine Model No. Industrial Powertrain and Serial No. TBD, Four-Stroke Rich Burn, Air-To-Fuel Ratio Controller, Electronic Control Module, producing 72 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 242 scf/hr. This equipment powers a Kohler Generator Model No. 40REZG and Serial No. TBD, rated at 54 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	24.0	gm/bhp-hr
NOx	5.8	gm/bhp-hr
PM10	0.00950	lbs/MMBtu
SOx	0.000588	lbs/MMBtu
VOC	0.306	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 72 device

SIC: 9661

SCC: 20100202

Location/UTM(Km):
713E/3775N

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.

Federal Aviation Administration
280 N. El Cielo Road, Suite #2
Palm Springs, CA 92262-7721

By: **COPY**
Brad Poiriez
Executive Director

1. This certified, stationary, spark-ignited, internal combustion engine and control device shall be installed, operated and maintained in strict accord 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.

[District Rule 1302 and 40 CFR 60.4243(a)(1), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

2. This unit shall be fired on Liquefied Petroleum Gas (LPG) fuel only.

[District Rule 1302(C)(2)(a) and 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.

[District Rule 1302(C)(2)(a) and 40 CFR 60.4237]

4. 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.

[District Rule 1320 and 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 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 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. Calendar year operation 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.

[40 CFR 60.4245]

6. 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 1302]

7. This 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 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]