



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

E014830

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: MAY 2027

OWNER OF OPERATOR (Co. #1379)

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

EQUIPMENT LOCATION (Fac. #4361)

FAA - TNP VOR
8020 Uriel Way
Twentynine Palms, CA 92277

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: A Rich-burn spark ignition internal combustion engine, driving a generator used to provide power to this facility. EPA Engine Family PKHXB06.2NNL. Year of Manufacture 2017; Exhaust flow is approximately 350 ACFM at 1227 degrees Fahrenheit; Stack Height 8 Feet; Stack Diameter 0.25 Feet. Equipment elevation is 1392 feet above sea level.

One Kohler, NG fired internal combustion engine Model No. KG6208 and Serial No. 4005C-1, producing 103 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 730 scf/hr. This equipment powers a Kohler Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	16.376	gm/bhp-hr
NOx	4.98	gm/bhp-hr
PM10	0.0095	lbs/MMBtu
PM2.5	0.0094	lbs/MMBtu
SOx	0.000588	lbs/MMBtu
VOC	0.262	gm/bhp-hr

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9661

SCC: 20200253

Location/UTM(Km):
613E/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

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine and its associated 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, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2. 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]

3. This unit shall only be fired on PUC regulated Pipeline quality natural gas fuel.
[40 CFR 60.4243, District Rules 431 and 1302]

4. This unit shall be limited to emergency use only, 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 20 hours per day and no more than 100 hours per year for testing and maintenance. Please note there is no limitation on emergency use.
[40 CFR 60.4243(d), District Rules 1302 and 1303]

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 five (5) 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. Calendar year operation in terms of fuel consumption in standard cubic feet or total hours;
 - d. The date and a summary of any emissions corrective maintenance taken; and
 - e. Records of all maintenance and repair actions performed on the engine, including any calibrations carried out on the AFRC.
[40 CFR 60.4245, District Rule 1320]

6. This equipment may operate in response to an impending 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 may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[40 CFR 60.4243]

7. This equipment 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.
[40 CFR 60.4243]

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]