



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

E015401

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: SEPTEMBER 2026

OWNER OF OPERATOR (Co.#829)

Twentynine Palms, City of
6136 Adobe Road
Twentynine Palms, CA 92277

EQUIPMENT LOCATION (Fac.#4619)

Twentynine Palms, City of - Freedom Plaza
6558 Cholla Avenue
Twentynine Palms, CA 92277

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: A US EPA Certified Rich-burn spark ignition internal combustion engine, driving a generator used to provide emergency power to this facility. EPA Engine Family SGNXB04.42L1. Year of Manufacture 2025; Exhaust flow is approximately 279 CFM at 1305 degrees Fahrenheit; Stack Height 6 Feet; Stack Diameter 0.21 Feet. Equipment elevation is 2000 feet above sea level.

One Generac, NG fired internal combustion engine Model No. TBD and Serial No. TBD, Three-Way Catalyst (also NSCR), Four-Stroke Rich Burn, Spark-Ignited, producing 72 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 621 scf/hr. This equipment powers a Generac Generator Model No. SG050NA and Serial No. TBD, rated at 50 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	242	lbs/MMscf
NOx	13.16	lbs/MMscf
PM10	9.79	lbs/MMscf
PM2.5	9.79	lbs/MMscf
SOx	0.085	lbs/MMscf
VOC	57.9	lbs/MMscf

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 72 device

SIC: 9199

SCC: 20100202

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.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) 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.
[District Rule 204; 40 CFR 60.4243, Subpart JJJJ]

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.
[District Rule 406(a); District Rule 431(C)(a); 40 CFR 60.4243]

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. This engine shall be operated no more than 100 hours per consecutive 12 month period for testing and maintenance. Please note there is no limitation on emergency use.
[District Rule 1303(A): daily operation; 40 CFR 60.4243(d)(2)]

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. Monthly and consecutive 12 month period operation in terms of fuel consumption in standard cubic feet and 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 catalysts and any other emission control devices.
- f. Calendar year operating hours to assist CEI calculations.

[40 CFR 60.4245, 40 CFR 1048]

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.

[District Rule 204]

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. 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]