



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E014888

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: JANUARY 2027

OWNER OF OPERATOR (Co. #1786)

Victor Valley Transit Authority
17150 Smoketree Street
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac. #4416)

Victor Valley Transit Authority - Sandstone
100 Sandstone Court
Barstow, CA 92311

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 PGNXB25.82C1. Year of Manufacture 2023; Exhaust flow is approximately 3400 CFM at 1300 degrees Fahrenheit; Stack Height 9 Feet; Stack Diameter TBD Feet. Equipment elevation is 2217 feet above sea level.

One Generac, NG fired internal combustion engine Model No. SG500 and Serial No. TBD, After Cooled, Air-To-Fuel Ratio Controller, Electronic Control Module, Oxidation Catalyst, Turbo Charged, producing 777 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 280.37 lbs/hr. This equipment powers a Generac Generator Model No. SG500KG30258S18PPYYE and Serial No. 3014953342, rated at 500 kW .

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 4.00 | gm/bhp-hr |
| NOx | 2.00 | gm/bhp-hr |
| PM10 | 10 | lbs/MMscf |
| PM2.5 | 10 | lbs/MMscf |
| SOx | 0.59 | lbs/MMscf |
| VOC | 1.00 | gm/bhp-hr |

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9621

SCC: 20200253

Location/UTM(Km):
492E/8360N

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.

Victor Valley Transit Authority
Attn: Angelina Calderone

Hesperia, CA 92345

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Oxidation Catalyst) and air/fuel ratio controller 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 engine shall not be operated unless all of the following engine systems are properly functioning:
 - a. Air-to-Fuel Ratio Controller
 - b. Turbocharged
 - c. Aftercooled
 - d. Oxidation Catalyst
 - e. Electronic Control ModuleFurthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician or as allowed with prior APCO written permission.
[District Rule 1302]

5. The Air-to-Fuel Ratio Controller shall be used in conjunction with the control device, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243]

6. 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 100 hours per year for testing and maintenance.
[40 CFR 60.4243(d), District Rule 1302]

7. 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]

8. 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]

9. 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]

10. 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]