



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

E003419

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: OCTOBER 2025

OWNER OF OPERATOR (Co. #453)

Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #1124)

VVWRA - 20111 Shay
20111 Shay Road
Victorville, CA 92394

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR #1 consisting of: An in-use Waukesha, NG fired internal combustion engine manufactured prior to 1995 with an oxidation catalyst (SCR) installed:

One Waukesha, NG fired internal combustion engine Model No. L5108GU and Serial No. 317531, Oxidation Catalyst, Spark-Ignited, producing 741 bhp with 12 cylinders at 1200 rpm while consuming a maximum of 6830 scf/hr. This equipment powers a Leroy-Somer Generator Model No. PE2242AAI and Serial No. 177222231, rated at 450 kW(e).

CONDITIONS:

1. This spark-ignited internal combustion engine and its associated air pollution control equipment 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 63.6640(a) and Table 6, District Rules 204 and 1302]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6655(f)]

3. This equipment shall only be fired on PUC-Regulated pipeline quality Natural Gas.
[District Rules 1302 and 1320]

Fee Schedule: 7 (g) Rating: 1 device SIC: 4952 SCC: 20100202 Location/UTM(Km): 467E/3831N

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 Wastewater Reclamation
Authority
20111 Shay Road
Victorville, CA 92394

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

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 due to unforeseen circumstances. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 100 hour per year limit.

[40 CFR 63.6640(f)(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 three (3) 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 per hour meter); b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons or total hours);
- d. Records of all required maintenance and inspections;
- e. Records of quarterly pressure differential readings across the catalytic converter; and
- f. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[40 CFR 63.6655, District Rule 1302]

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.

[40 CFR 63.6640(f)(4)(ii), Rule 204]

7.The owner/operator shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The District must be notified within 5 working days of any exceedance of these maintenance intervals, noting the duration, cause, and corrective actions taken.

[40 CFR 63.6630(a) and Table 2d, 40 CFR 63.6640(b), and 40 CFR 63.6650(d)]

8.The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)]

9.This engine may operate in response to a notification of 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 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]

10.This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAP). In the event of a conflict between these conditions and the NESHAP, the more stringent requirements shall govern.

[40 CFR 63 Subpart ZZZZ, District Rule 204]

11.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]