



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

E009405

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: SEPTEMBER 2026

OWNER OF OPERATOR (Co.#1732)

Helendale Community Services District
26540 Vista Road Suite B
Helendale, CA 92342

EQUIPMENT LOCATION (Fac.#1418)

Helendale Community Services District
28685 Helendale Road
Helendale, CA 92342

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Engine Family 5JDXL06.8039, Model Year 2005, 4.5 Liter Displacement, Certified Tier 2 Engine. Equipment elevation is 2416 feet above sea level.

One Deere & Company (John Deere), Diesel fired internal combustion engine Model No. 4045HF275 H and Serial No. PE4045H472418, Direct Injected, Turbo Charged, After Cooled, producing 145 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 8.0 gal/hr. This equipment powers a Generac Power system Inc Generator Model No. 5305250200 and Serial No. 2083283, rated at 100 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.73	gm/bhp-hr
NOx	4.92	gm/bhp-hr
PM10	0.13	gm/bhp-hr
SOx	0.0051	gm/bhp-hr
VOC	4.92	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4952

SCC: 20200102

Location/UTM(Km):
470E/3848N

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.

Helendale Community Services District
P.O. Box 359
Helendale, CA 92342-0359

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

1. This equipment 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.

[40 CFR Part 63, Subpart ZZZZ; Rule 204]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Subpart ZZZZ]

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.

[17 CCR 93115]

4. Engine may operate in response to 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.

[17 CCR 93115]

5. 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 year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.

[17 CCR 93115]

6. Owner/operator must meet the following requirements;

a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in 63.6625(i) in order to extend this requirement.

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR Subpart ZZZZ]

7. The o/o shall maintain a 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 information specified below:

a. Date of each use and duration of each use (in hours);

b. Record(s) of engine maintenance including those specified in condition 6;

c. Reason for use (testing & maintenance, emergency, required emission testing);

d. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,

e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115]

8. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In the event of conflict between these conditions and the aforementioned regulations, the more stringent requirements shall govern.

[District Rule 204]

9. 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.

[17 CCR 93115]

10. The o/o shall not operate this stationary emergency standby diesel-fueled IC engine for non-emergency use, including maintenance and testing, whenever there is a school-sponsored activity.

[17 CCR 93115.6(a)(1)]

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]