



**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**

E009534

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: FEBRUARY 2027**

**OWNER OF OPERATOR (Co.#394)**

Apple Valley Fire Protection Dist  
22400 Headquarters Dr  
Apple Valley, CA 92307

**EQUIPMENT LOCATION (Fac.#1309)**

Apple Valley Fire Prot - Headquarters  
22400 Headquarters Drive  
Apple Valley, CA 92307

**Description:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Manufacture 1981. The requirements of 40 CFR 63 ZZZZ are not applicable to this industrial emergency engine pursuant to 63.6585(f)(3).

One Detroit Diesel, Diesel fired internal combustion engine Model No. 5033-6299 and Serial No. 3D-81974, Direct Injected, producing 80 bhp with 3 cylinders at 1800 rpm while consuming a maximum of gal/hr. This equipment powers a Groban Generator Model No. DGM 40-63E and Serial No. 891972-2-NC-20-1, rated at 40 kW.

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	5.0	gm/bhp-hr
HC	5.0	gm/bhp-hr
NOx	10.0	gm/bhp-hr
PM10	1.0	gm/bhp-hr

**CONDITIONS:**

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

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9224

SCC: 20100102

Location/UTM(Km):  
484E/3817N

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.

Apple Valley Fire Protection Dist  
22400 Headquarters Dr  
Apple Valley, CA 92307

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

shall also be operated in accordance with all data and specifications submitted with the application for this permit.  
[District Rule 204]

2. 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.  
[District Rule 431; 17 CCR 93115.5]

3. 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 93115.10(d)]

4. This unit shall be limited to use for emergency power, 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(b)(3)]

5. 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.  
[17 CCR 93115.6(c)(2)(C)]

6. 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 93115.6(b)(1)]

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 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);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. 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; District Rules 204 and 431]

8. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

9. 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, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]