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

E013666

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: DECEMBER 2024

OWNER OF OPERATOR (Co.#1189)

Antelope Valley College
3041 West Avenue K
Lancaster, CA 93536

EQUIPMENT LOCATION (Fac.#2061)

Antelope Valley College
3041 West Avenue K
Lancaster, CA 93536

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 3 diesel engine, USEPA Family KMBXL07.2RJC, manufactured in 2018. Exhaust flow is approximately 929 cfm at 877 degrees Fahrenheit through a 14 foot high by 6 inch diameter stack: Elevation: 2,386'.

One Mercedes Benz, Diesel fired internal combustion engine Model No. 0M924LA and Serial No. TBD, Turbo Charged, Diesel Particulate Filter, Four-Stroke Lean Burn, producing 197 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 7.6 gal/hr. This equipment powers a Marathon Generator Model No. 363PSL1607 and Serial No. TBD, rated at 208 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.04	gm/bhp-hr
NOx	2.41	gm/bhp-hr
PM10	0.097	gm/bhp-hr
PM2.5	0.097	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.05	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine shall be installed, operated and maintained in strict

Fee Schedule: ED (N/A) Rating: 1 Engine SIC: 8222 SCC: 20100102 Location/UTM(Km): 395E/3840N

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.

Antelope Valley College
3041 West Avenue K/Attn: Motorpool
Lancaster, CA 93536

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

UNOFFICIAL

accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air 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 201 and 40 CFR Part 60, Subpart IIII - NSPS for Stationary Compression Ignition ICE]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93115.10(d)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
b. A cetane index or aromatic content, as follows:
(i) A minimum cetane index of 40; or,
(ii) A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a), 40 CFR 80.510(b), and 40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. This equipment 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 50 hours per year for testing andmaintenance.
[17 CCR 93115.6(a)(3) and 40 CFR 60.4211(f)]

5. The owner/operator shall maintain an operations log for this engine 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 following information:
a. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);
c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) or total hours;
d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
e. Maintenance performed on this equipment, including all emissions control devices.
[17 CCR 93115.10(f)]

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.
[17 CCR 93115.6(a)(2)]

7. This unit shall not be used to provide power during a voluntarily 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)(1)(C)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302]

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; and 40 CFR 51, Subpart A]