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

E014145

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.#871)

Victorville, City of - Water District
14343 Civic Drive
Victorville, CA 92392

## EQUIPMENT LOCATION (Fac.#2263)

VVWD - Various Locations
District Wide
MDAQMD, CA 92392

**Description:**
DIESEL IC ENGINE, PORTABLE* EMERGENCY GENERATOR (400) consisting of: A Certified Tier 4 Final diesel engine, USEPA family LCPXL12.5HTF, manufactured in 2020. Exhaust flow approximately 565.7 acfm, at 880 degrees Fahrenheit through a 9.2 foot high by 4.75 inch diameter exhaust stack. Equipment will be stored, maintained, and tested at VVWD Maintenance Yard - West, 10028 6th St., Victorville, CA, at an elevation of 3443 feet above sea level. *PLEASE NOTE: This emergency engine meets the more stringent requirements of the Stationary ATCM and 40 CFR 60 Subpart IIII. While the engine MAY be used at various locations, the engine is not required to move from its footprint on an annual basis.

One Caterpillar, Diesel fired internal combustion engine Model No. C13 and Serial No. NF300437, After Cooled, Ammonia Oxidation Catalyst, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 567 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 25.1 gal/hr. This equipment powers a Caterpillar Generator Model No. XQ425 and Serial No. XBH00400, rated at 375 kW.

## EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---|---|---|
| CO | 0.0132 | gm/bhp-hr |
| NOx | 0.172 | gm/bhp-hr |
| PM10 | 0.0066 | gm/bhp-hr |
| PM2.5 | 0.0065 | gm/bhp-hr |
| SOx | 0.0028 | gm/bhp-hr |

Fee Schedule: 7 (g) Rating: 1 device SIC: 4941 SCC: 20100102 Location/UTM(Km): 473E/3820N

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.

Victorville, City of - Water District
Public Works - Fleet Division

Victorville, CA 92392-2399

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

| Emission Type | Est. Max Load | Unit |
|---|---|---|
| VOC | 0.0331 | gm/bhp-hr |

## CONDITIONS:

1. This certified Tier 4 Final stationary compression-ignited internal combustion engine, and any associated air pollution control 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 60.4211(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[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 60.4207(b) and 40 CFR 1090.305]
Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance.
[District Rule 1320 (hour limiting); 17 CCR 93115.6(a)(3)(A)(1)(c)]

5. The owner/operator shall maintain an operations log for this equipment 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
a. Date(s) of each use and hours of operation;
b. Reason for use (regular testing & maintenance, NFPA testing & maintenance, emergency, etc.);
c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
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.
[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 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)(1)(C)]

8. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school for more than 45 days. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and

Safety Code Section 42301.6 will be met.
[District Rule 1302 and H&S Code 42301.6]

9. 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]

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