MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT E015697

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

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 consisting of: A Certified Tier 4 Final diesel engine, USEPA family TCPXL18.1HTH, manufactured in 2026 and equipped with factory-installed emission control devices. Exhaust flow is approximately 3185 acfm, at 914 degrees Fahrenheit through a 12.1 foot high by 0.66 foot diameter exhaust stack. This equipment will be stored, maintained, and tested at VVWD Maintenance Yard - West, 10028 6th St., Victorville, CA 92392, 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. C18 ACERT and Serial No. TBD, Ammonia Oxidation Catalyst, Charge Air Cooler, 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 778 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 35.9 gal/hr. This equipment powers a Caterpillar Generator Model No. XQ570 and Serial No. TBD, rated at 500kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.5	gm/bhp-hr
NOx	0.07457	gm/bhp-hr
NOx+NMHC	0.08948	gm/bhp-hr
PM10	0.007457	gm/bhp-hr
PM2.5	0.00738	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 778 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
SOx	0.00513	gm/bhp-hr
VOC	0.014914	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.
[District Rule 204; 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.
[District Rule 1160(D)(2)(b)(i); 17 CCR 93115.10(d)(1)]

3. This unit shall not operate within 1,000 feet of the outer boundary of any K-12 school for more 45 days per calendar year. Such operation will require the submittal of an application for a revised permit to operate to the District so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met, including Public Noticing.
[District Rule 1302(C)(7) - Noticing Requirements; H&S Code 42301.6]

4. 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.
[District Rule 431; 17 CCR 93115.5(a); 40 CFR 60.4207(b); 40 CFR 1090.305]
Note: CARB certified ULSD fuel satisfies these requirements per 17 CCR 93115.5(a).

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 five (5) calendar 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 and duration of each use (in hours);
b. Reason for each use (testing and maintenance, emergency, required emission testing);
c. Monthly and rolling 12 month (defined as 12 consecutive months prior to the current day) operating hour log readings as determined by the installed hour meter;
d. Calendar year operating hours as determined by the installed hour meter or fuel consumption (in standard cubic feet or gallons) to assist in CEI calculations;
e. Records of all maintenance and repair actions performed on the engine and any emissions control equipment;
f. Records of fuel sulfur content (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
g. Date, operating location coordinates, distance from school, and duration of all engine operation conducted within 1,000 feet of a school to demonstrate compliance with Condition 3. Applicable to well sites W128, W134, W136, and all other locations of operation within 1,000 feet of a school.
[District Rule 204; District Rule 1160(D)(2); 17 CCR 93115.10(f)]

6. This unit shall be limited to use for emergency power, defined as in response to a fire, flood, or when commercially available power has been interrupted. This unit shall be operated no more than 100 hours in any rolling 12 month period (defined as 12 consecutive months prior to the current day) for testing and maintenance, excluding compliance source testing. There is no limit on emergency use and emergency hours do not count toward the 50 hour limit.
[District Rule 204; District Rule 1160(D)(1)(d); 17 CCR 93115.6(a)(3)(A)(2): Annual Operation Limit]

7. 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 provider advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(a)(2)]

8. 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)]

9. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Portable 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 ATCMs or NSPS, the more stringent requirements shall govern.
[District Rule 1302; 17 CCR 93115; 17 CCR 93116; 40 CFR 60, Subpart IIII]

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.; 40 CFR 51, Subpart A]