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 E015616

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: AUGUST 2027

OWNER OF OPERATOR (Co.#871)

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

EQUIPMENT LOCATION (Fac.#4713)

VVWD - Amethyst Booster
11700 Amethyst Road
Victorville, CA 92392

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 2 diesel engine, USEPA family TCPXL32.1NZS, manufactured in 2024 and equipped with factory-installed emission control devices. Exhaust flow is approximately 9425 acfm, at 783.2 degrees Fahrenheit through a 10 foot high by 0.5 foot diameter exhaust stack. This engine is equipped with a Diesel Particulate Filter (DPF) certified under CARB Executive Order (EO) TBD.

One Caterpillar, Diesel fired internal combustion engine Model No. C32 and Serial No. TBD, After Cooled, Compression-Ignited, Diesel Particulate Filter, Electronic Control Module, Turbo Charged, producing 1610 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 79.2 gal/hr. This equipment powers a Caterpillar Generator Model No. TBD and Serial No. TBD, rated at 1250kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.27	gm/bhp-hr
NOx	4.16	gm/bhp-hr
NOx+NMHC	4.25	gm/bhp-hr
PM10	0.02	gm/bhp-hr
PM2.5	0.0198	gm/bhp-hr
SOx	0.00471	gm/bhp-hr
VOC	0.09	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 1610 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

CONDITIONS:

1. This certified Tier 2 stationary compression-ignited internal combustion engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of pollutants. 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 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).

4. 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; and,
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).
[District Rule 204; District Rule 1160(D)(2); 17 CCR 93115.10(f)]

5. 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 50 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)(1)(c): Annual Operation Limit]

6. Installation of a CARB certified Diesel Particulate Filter (DPF) is required prior to operating this engine. This engine is prohibited from operating unless exhausted through a well maintained and functional DPF, certified under CARB Executive Order (EO) TBD. Records of maintenance and repairs on this DPF must be kept in accordance with Condition #4.
[District Rule 204; District Rule 1320(E)(3)(d)(ii) - T-BACT]

7. A manufacturer installed Diesel Particulate Filter (DPF) shall be accompanied by a backpressure monitor that notifies the owner/operator when the high backpressure limit of the engine is approached.
[District Rule 204; District Rule 1320(E)(3)(d)(ii) - T-BACT; 17 CCR 93115.10(d)(2); 40 CFR 60.4209(b)]

8. 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)]

9. 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)]

10. 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; 17 CCR 93115; 40 CFR 60, Subpart IIII]

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