



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

M014292

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2022

OWNER OF OPERATOR (Co. #2725)

Uprite Construction
2211 Michelson Dr Suite 500
Irvine, CA 92612

EQUIPMENT LOCATION (Fac. #4140)

DFX4 Amazon Victorville
15272 Bear Valley Road
Victorville, CA 92395

Description:

DIESEL IC ENGINE, PORTABLE BACKUP GENERATOR consisting of: A certified Tier 4i diesel engine, EPA Family BCPXL15.2HZA, manufactured in 2011 and equipped with factory-installed emission controls. Exhaust flow is approximately 3185 scfm at 914 degrees Fahrenheit through a 11.75 foot tall by 8 inch diameter stack: This unit is registered in the Statewide Portable Equipment Registration Program, under registration no. 158631.

One Caterpillar, Diesel fired internal combustion engine Model No. C15 and Serial No. JJF00687, Direct Injected, Turbo Charged, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Charge Air Cooler, Engine/Powertrain Control Module, producing 779 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 35.9 gal/hr. This equipment powers a Caterpillar Generator Model No. XQ500 and Serial No. TBD, rated at 500 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.8203	gm/bhp-hr
NOx	2.312	gm/bhp-hr
PM10	0.0522	gm/bhp-hr
PM2.5	0.0522	gm/bhp-hr
SOx	0.0044	gm/bhp-hr
VOC	0.0746	gm/bhp-hr

CONDITIONS:

Fee Schedule: 10 (1c)

Rating: 779 bhp

SIC: 1521

SCC: 20100102

Location/UTM(Km):
469E/3815N

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.

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

1. This certified compression-ignited internal combustion engine and its associated emission control systems 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 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 1302(C)(a)]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration.

[Title 17 CCR 93116.2(a)(29)]

3. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Turbocharger;
- b. Engine Control Module; and
- c. Exhaust Gas Recirculation System.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302]

4. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[District Rule 1302(C)(2)(a)]

6. 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) 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, location (decimal degrees, xx.xxxxx;-yy.yyyyy), and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair on any equipment noted in Condition #4;
- d. Description of each maintenance action or repair on any equipment noted in Condition #4; and
- e. Fuel sulfur concentration as required by condition #4 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

7. This engine shall not operate for more than 600 hours in any consecutive 12 month period. Additionally, this unit shall not operate more than 6 hours per day (midnight to midnight). Before these limitations can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1320]

8. The primary function of this engine is to provide a backup to the prime engine powering the facility under District Permit Number B014244. Only one engine may be used to provide power to the facility at any one time, except for a 10-minute load shifting period where one engine is being taken offline and another is being brought online.

In the event that one generator is insufficient to power the facility, the owner/operator must immediately submit a permit modification request to redesignate this standby equipment unit from a Back-Up Equipment Unit ("M" Permit) to a Basic Equipment Unit ("B" Permit).

[District Rules 219 and 1302]

9. This engine shall not be operated at this facility after July 1, 2022. Any proposed extension of use beyond this date will require the submission of an application to modify the permit, and will require the preparation of a Health Risk Assessment (HRA). In addition, public notice, additional equipment restrictions, and/or a commenting period may be required.

[District Rules 1302 and 1320]

10. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[Title 17 CCR 93116, District Rule 1302]

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, and 40 CFR 51, Subpart A]