



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

E014779

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: DECEMBER 2025

OWNER OF OPERATOR (Co. #453)

Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #4355)

VVWRA - Various Locations
District Wide
MDAQMD, CA 92392

Description:

DIESEL IC ENGINE, PORTABLE EMERGENCY GENERATOR consisting of: A certified Tier 3 diesel-fueled engine, EPA Engine Family 7JDXL06.8105. Engine Exhaust Flow is TBD cfm at TBD Degrees F. Stack height is TBD feet high and Stack Diameter is TBD inches. Equipment elevation is 2607 feet above sea level. PERP Registration Number: 145932

One John Deere, Diesel fired internal combustion engine Model No. 4045HF285 and Serial No. PE4045L029749, Charge Air Cooler, Compression-Ignited, Direct Injected, Electronic Control Module, Smoke Puff Limiter, Turbo Charged, producing 158 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 8.42 gal/hr. This equipment powers a Magnum Generator Model No. MMG100 and Serial No. 83832, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.12	gm/bhp-hr
NOx	2.41	gm/bhp-hr
NOx+NMHC	2.54	gm/bhp-hr
PM10	0.186	gm/bhp-hr
PM2.5	0.177	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.13	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g) Rating: 1 device SIC: 4952 SCC: 20100102 Location/UTM(Km): 467E/3831N

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.

Victor Valley Wastewater Reclamation
Authority
P.O. Box 370
Adelanto, CA 92301

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

1.This certified Tier 3 compression-ignited internal combustion engine and the 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 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 1302(C)(2)(a)]

2.This engine 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)]

3.This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days, excluding time spent at a designated storage site where the engine can NOT be used for emergency use. This generator must be moved to another facility, or within this facility, annually for a valid operational reason.
[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

4.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Regulation XIII - NSR]

5.This engine has been designated as "emergency" pursuant to Title 17 CCR 93116 and is therefore exempt from the fleet requirements of sections 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(B). In order to maintain this designation, this engine is limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. There is no limitation on the emergency operation of this engine. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance.

In the event that this engine exceeds the allowed hours of operation in a calendar year it becomes immediately subject to the requirements of section 93116.3(c)(1) or (c)(2) in the year such exceedence or use occurs. The responsible official (owner/operator) must submit a request to convert the engine to regular use, subject to the limitations of section 93116.3(c)(6).
[Title 17 CCR 93116.2(a)(23), 9.3116.3(c)(3)and(5) and District Rule 1320]

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

- a. Direct Diesel Injection;
- b. Turbocharger;
- c. Charge Air Cooler;
- d. Electronic Control Module; and
- e. Smoke Puff Limiter.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302]

7.The owner/operator shall maintain a 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 of each use;
- b. Location of each use (decimal degrees, xx.xxxxx;-yyy.yyyyy);
- c. Duration of each use (in hours as indicated by the hour timer);
- d. Reason for each use (testing & maintenance, emergency, required emission testing);
- e. Date and description of each maintenance action or repair on any equipment noted in Condition #6;
- f. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
- g. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116 and District Regulation XIII - NSR]

8.This engine 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.
[District Rule 1302 and Title 17 CCR 93116]

9.This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2027. The sale of engines for resale outside of California is not prohibited.
[Title 17 CCR 93116.3(e)]

10.The owner/operator shall not operate this emergency standby diesel-fueled CI engine for non-emergency use, including maintenance and testing, if the engine is located on school grounds whenever there is a school-sponsored activity and/or if the engine is located within 500 feet of school grounds between 7:30 a.m. and 3:30 p.m. on days when school is in session.
[Title 17 CCR 93116]

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]