



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

E015378

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 2026

OWNER OF OPERATOR (Co.#632)

LA City DWP
PO Box 51111, Room 1213
Los Angeles, CA 90051-5700

EQUIPMENT LOCATION (Fac.#1296)

LA City DWP (InterMtn) - "D" Street
17300 "D" Street
Victorville, CA 92392

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 4 Final diesel engine, USEPA family MVPXL16.1CDD, manufactured in 2021 and equipped with factory-installed emission control devices. Exhaust flow is approximately 3991 acfm, at 862 degrees Fahrenheit through a 6.25 foot high by TBD foot diameter exhaust stack. Facility elevation is 942 feet above MSL.

One Volvo Penta, Diesel fired internal combustion engine Model No. TWD1683GE and Serial No. 2016147544, Direct Injected, Turbo Charged, After Cooled, Selective Catalytic Reduction, Smoke Puff Limiter, Electronic Control Module, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Charge Air Cooler, producing 918 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 42.16 gal/hr. This equipment powers a Generator Model No. TBD and Serial No. TBD, rated at 616kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.02983	gm/bhp-hr
NOx	0.14914	gm/bhp-hr
PM10	0.00746	gm/bhp-hr
PM2.5	0.00738	gm/bhp-hr
SOx	0.00440	gm/bhp-hr
VOC	0.00746	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 918 device

SIC: 4911

SCC: 20100102

Location/UTM(Km):
471E/3825N

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.

LA City DWP
Attn: Katherine Rubin

Los Angeles, CA 90051-0100

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

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 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.
[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.

[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 & maintenance, emergency, required emission testing);
- c. Monthly and rolling 12 month operating hour log 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; and,
- e. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst.

[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 100 hours in any rolling 12 month period for testing and maintenance, excluding compliance source testing. There is no limit on emergency use and emergency hours do not count toward the 100 hour limit.
[District Rule 1160(D)(1)(d); 17 CCR 93115.6(a)(3)(A)(1)(c)]

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 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]

9. This new generator with MDAQMD Permit E015378 is intended to replace the older engine permitted under MDAQMD Permit E015148, these two engines shall not be operated concurrently. E015148 may not be stored as backup and must be disconnected from site electrical mains prior to the startup of E015378.

[District Rule 204]

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]