



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

RENEWAL

B013405

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2024

OWNER OF OPERATOR (Co.#1509)

Nursery Products, LLC
P.O. Box 1439
Helendale, CA 92342

EQUIPMENT LOCATION (Fac.#2571)

Nursery Products, LLC
14479 Cougar Road
Helendale, CA 92342

Description:

DIESEL IC ENGINE, GENERATOR consisting of: A certified Tier 4f diesel engine, EPA Family JJDXL06.8309, manufactured in 2018, equipped with factory installed emission control devices. Exhaust flow is approximately 1488 ACFM at 888 degrees Fahrenheit through a 7.5 foot high by 5 inch diameter stack. Equipment elevation is 2324 feet above sea level.

One John Deere, Diesel fired internal combustion engine Model No. 6068HFG08 and Serial No. PE6068V002111, Direct Injected, Turbo Charged, After Cooled, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Electronic Control Module, Oxidation Catalyst, Compression-Ignited, Periodic Trap Oxidizer, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Charge Air Cooler, producing 240 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 8.4 gal/hr. This equipment powers a MQ Power Generator Model No. Whisperwatt DCA150SSJU4F and Serial No. 7601006, rated at 150 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.074	gm/bhp-hr
NOx	0.044	gm/bhp-hr
PM10	0.002	gm/bhp-hr
PM2.5	0.002	gm/bhp-hr
SOx	0.0034	gm/bhp-hr
VOC	0.014	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine and it's associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound

Fee Schedule: 1 (c)

Rating: 240 bhp

SIC: 4953

SCC: 20100102

Location/UTM(Km):
459E/3826N

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**
Brad Poiriez
Air Pollution Control Officer

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.

[40 CFR 60.4211(a); District Rule 1302]

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

- a. Oxidation Catalyst
- b. Electronic Control Module
- c. Exhaust Gas Recirculation System
- d. SCR Catalyst
- e. Ammonia Oxidation Catalyst
- f. Periodic Trap Oxidizer

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

[40 CFR 60.4211, District Rule 1302]

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:
 - 1. A minimum cetane index of 40; or,
 - 2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

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

[Title 17 CCR 93115.10(d)]

5. This engine may be moved within the facility as necessary to support operations. It shall not be used outside the facility's perimeter without prior written District authorization.

[District Rules 1302, 1303, and 1320]

6. The owner/operator shall conduct inspections, whichever is the more frequent of:

- (1) at least once every calendar quarter; or,
- (2) after every 2,000 hours of engine operation.

An inspection includes any testing, maintenance, and/or other procedures that ensure this engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of this rule.

[District Rule 1160]

7. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:

- a. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- b. Date of each maintenance action or repair on any equipment noted in Condition #2;
- c. Description of each maintenance action or repair on any equipment noted in Condition #2;
- d. Fuel sulfur concentration as required by condition #3 (you may use the supplier's certification of sulfur content if it is maintained as part of this log);
- e. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations);
- f. Results of all source testing conducted on the engine; and
- g. Results of all inspections required by Condition #6.

[17 CCR 93115; District Rules 1160 and 1302]

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]

9. 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]