



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B012017

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2020

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 EPA Tier 4 (Interim) diesel engine manufactured in 2012, EPA Family CJDXL04.5211, CA State Executive Order U-R-004-0441. Exhaust flow is 399 CFM at 835 degrees F:

One John Deere, Diesel fired internal combustion engine Model No. 4045HFG92 and Serial No. 045607, Direct Injected, Turbo Charged, After Cooled, Exhaust Gas Recirculation, Permit To Operate (PTO), Exhaust Gas Recirculation, Smoke Puff Limiter, Diesel Oxidation Catalyst, Electronic Control Module, Compression-Ignited, producing 107 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 4.3 gal/hr. This equipment powers a MultiQuip Generator Model No. DCA-70 and Serial No. 7305604, rated at 70 kVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.074	gm/bhp-hr
NOx	1.94	gm/bhp-hr
PM10	0.0007	gm/bhp-hr
SOx	0.05	gm/bhp-hr
VOC	0.007	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 107 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

1. This certified stationary 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 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)]

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

- @ Diesel Oxidation Catalyst
- @ Electronic Control Module
- @ Exhaust Gas Recirculation
- @ Periodic Trap Oxidizer
- @ Smoke Puff Limiter

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

[40 CFR 60.4211, MDAQMD 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:

- @ Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- @ A cetane index or aromatic content, as follows:
 - # A minimum cetane index of 40; or,
 - # A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 60.4207(b)]

Note: Use of CARB certified ULSD fuel satisfies the requirements of subparagraph 3.b above.

4. 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:

- @ Date of each maintenance action or repair;
- @ Description of each maintenance action or repair;
- @ Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
- @ Results of any source testing conducted on the engine.

[17 CCR 93115.10(f), MDAQMD Rule 1302]

5. 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]

6. 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]