



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

TERMINATED

B013518

Terminated type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2022

OWNER OF OPERATOR (Co.#2438)

Quality Resources
16254 Beaver Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#3835)

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Adelanto, CA 92301

Description:

DIESEL IC ENGINE, GENERATOR, CANNABIS consisting of: Date of Manufacture 5/2019, Tier IVF, USEPA Engine Family KJDXL09.0313, CARB E.O. U-R-004-0574. Stack Data: H: TBD ft

One John Deere, Diesel fired internal combustion engine Model No. 6090HFG06 and Serial No. TBD, Charge Air Cooler, Turbo Charged, Electronic Control Module, Direct Injected, Ammonia Oxidation Catalyst, Diesel Oxidation Catalyst, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, producing 398 bhp with 3 cylinders at 1500 rpm while consuming a maximum of 19.23 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at 297 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	.010	gm/bhp-hr
NOx	.00	gm/bhp-hr
PM10	0.01	gm/bhp-hr
PM2.5	0.01	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.00	gm/bhp-hr

CONDITIONS:

1. This certified Tier 4 Final 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

Fee Schedule: 1 (c) Rating: 398 bhp SIC: 2833 SCC: 20100102 Location/UTM(Km): 459E/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.

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

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 engine systems are properly functioning:

- a. Engine Control Module
- b. Turbocharger
- c. Charge Air Cooler
- d. Electronic Direct Injection
- e. Exhaust Gas Recirculation
- f. Diesel Oxidation Catalyst
- g. Selective Catalyst Reduction-Urea
- h. Ammonia Oxidation Catalyst

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[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), 40 CFR 80.510, and 40 CFR 60.4207(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.
[17 CCR 93115.10(d)(1) and 40 CFR 60.4209(a)]

5.This Engine shall not consume more than 76,911 gallons of Diesel fuel per year (based on full load 19.23 gal/hr X 4000 hrs/yr).
[District Rule 1320]

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 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 information specified below:

- a. Daily hour meter reading when engine is started and daily hour meter when engine is shut down;
- b. Calendar year operation in terms of total hours;
- c. Fuel used by Engine, including weekly, monthly and calendar year totals (shall not exceed 62,284 gals/yr).
- d. Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115, District Rules 1302 and 1320]

7.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]

8.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]