



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

B015530

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: MARCH 2027

OWNER OF OPERATOR (Co. #3194)

iRent Everything
4104 LB McLeod Road
Orlando, FL 32811

EQUIPMENT LOCATION (Fac. #4674)

DJ Doctor LLC/iRent Everything
Various Locations
MDAQMD, CA 92392

Description:

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: A Certified Tier 4 Final portable, prime-use diesel engine, USEPA family MCEXL04.5AAJ, manufactured in 2021 and equipped with factory-installed emission control devices, including but not limited to: turbocharged, ECM, DOC, DPF, EGR, and SCR. Exhaust flow is approximately 714 acfm, at 899 degrees Fahrenheit through a 10 foot high by 0.5 foot diameter exhaust stack. Facility elevation is 2362 feet above MSL.

One Cummins, Diesel fired internal combustion engine Model No. QSB5-G11 and Serial No. 20227169, After Cooled, Air-To-Fuel Ratio Controller, Compression-Ignited, Diesel Oxidation Catalyst, Diesel Particulate Filter, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 150 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 5.8 gal/hr. This equipment powers a Wacker Neuson Generator Model No. G100 and Serial No. TBD, rated at 100kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.07457	gm/bhp-hr
NOx	0.134226	gm/bhp-hr
NOx+NMHC	0.208796	gm/bhp-hr
PM10	0.007457	gm/bhp-hr
PM2.5	0.00738	gm/bhp-hr
SOx	0.00370	gm/bhp-hr

Fee Schedule: 1 (b)

Rating: 150 bhp

SIC: 7359

SCC: 20100102

Location/UTM(Km):
533E/3902N

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
Executive Director

Emission Type	Est. Max Load	Unit
VOC	0.07457	gm/bhp-hr

CONDITIONS:

1. This certified Tier 4 Final, portable, prime, 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]

2. Engines owned and operated by iRentEverything may only operate at the locations listed below. Engines restricted to these locations have Permit Numbers: B015525, B015526, B015527, B015528, B015529, B015530, B015531, B015532, B015533, and B015534. Operation elsewhere will require the submittal of an application for a revised permit to operate and may require a Health Risk Assessment and public notice to address the applicable requirements of the California Health and Safety Code, Section 42301.6.

a. Fort Irwin U.S. Army Base: Buildings 828, 897a, and RUBA rotational training housing sites; and,

b. Yermo Annex Marine Corps Logistics Base: Rotational training housing site (located immediately West of the MCX).

[District Rule 204; District Rule 1320 - Permit Unit Risk; District Rule 1520 - Facility-Wide Risk; H&S Code 42301.6 and 42705.5(a)(5)]

3. This engine may not do any of the following:

a. Remain in the same footprint for more than 12 consecutive months;

b. Be returned to the same footprint for an aggregate time period exceeding 12 calendar months;

c. Be mounted on a foundation; or,

d. Be moved for illegitimate purposes, such as circumventing the definition of portable equipment.

*PLEASE NOTE: This engine is required to move from its footprint, for legitimate business purposes, after 12 consecutive or aggregate months of operation. When moving between locations (such as military bases), this equipment may not return to a previous footprint once the allotted 12 month time limit has been met. Each footprint that this engine occupies shall have a 12 month use limit, if relocated prior to consuming the allotted time and subsequently returned to the same footprint, time accumulation shall resume. The period of time during which the engine is maintained at a storage facility shall be excluded from the residency time determination.

[District Rule 204; 17 CCR 93116.2(a)(29)(A)]

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

[District Rule 204]

5. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Portable 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.

[District Rule 431; 17 CCR 93116.3(a); 40 CFR 1090.305]

Note: CARB certified ULSD fuel satisfies these requirements per 17 CCR 93116.3(a)(1).

6. The District must be notified and provided the following information EVERY TIME that this diesel-fired generator is sited or relocated under this permit, regardless of whether the generator is actively in use. Notification must be sent by e-mail to reporting@mdaqmd.ca.gov. Notification must be provided within 24 hours of ANY relocation event.

a. Facility contact name, phone number, and email;

b. District permit number;

c. Start and end dates of operation (anticipated dates if not in use at time of notification); and,

d. Location of operation (decimal degrees: yy.yyyyy (latitude), -xxx.xxxxx (longitude)).

[District Rule 204; District Rule 1320]

7. This prime diesel-fired generator shall not operate for more than 24 hours per calendar day and may not exceed 5,200 hours in any rolling 12 month period (defined as 12 consecutive months prior to the current day). Before this limitation can be increased, the Facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.
[District Rule 204; District Rule 1320: Annual Operation Limit]

8. The owner/operator shall maintain an operations log for this Permit 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, location (decimal degrees: yy.yyyyy (latitude), -xxx.xxxxx (longitude)), and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations);
- d. Date of inspection and any testing or maintenance performed pursuant to Condition #9;
- e. Date and description of each maintenance action or repair on any equipment noted in Condition #10;
- f. Fuel sulfur concentration as required by Condition #5 (you may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
- g. Records of all notifications sent to the District, in accordance with Condition #6.

[District Rule 204; District Rule 1320]

9. This prime, diesel-fired generator must be inspected at least once each calendar quarter or after every 2,000 hours of operation, whichever is more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure the engine is operated in strict accordance with the manufacturer's specifications. Records of such inspections must include the following information as a minimum:

- a. Inspection date;
- b. Records of testing, as applicable; and,
- c. Records of maintenance.

[District Rule 204]

10. This prime, diesel-fired generator shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Oxidation Catalyst (DOC);
- b. Electronic Control Module (ECM);
- c. Exhaust Gas Recirculation (EGR) System;
- d. Selective Catalytic Reduction (SCR);
- e. Charge Air Cooler (CAC);
- f. Turbocharger; and,
- g. Diesel Particulate Filter (DPF).

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

[District Rule 204; District Rule 1320]

11. This prime, diesel-fired generator is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 204; 17 CCR 93116]

12. Emissions from this prime, diesel-fired generator are required to be included in the emissions inventory for the permitted facility at which work is being performed, for the total duration of operation at that site. If the generator operates outside of the boundaries of either Yermo MCLB or Fort Irwin NTC bases then the emissions shall be reported in an emission inventory for Facility 4674 - iRentEverything. Otherwise, the emissions shall be reported to the respective bases' Environmental Manager annually for inclusion in their Emissions Inventory.

[District Rule 107(b); District Rule 204; District Rule 1320; H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; 40 CFR 51, Subpart A]