



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013840

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: SEPTEMBER 2021

OWNER OF OPERATOR (Co.#1584)

ComAV Technical Services LLC
18438 Readiness Street
Victorville, CA 92394

EQUIPMENT LOCATION (Fac.#4011)

ComAV - Temp Aircraft Storage
18438 Readiness Street
Victorville, CA 92394

Description:

DIESEL IC ENGINE, PORTABLE GROUND POWER UNIT, TEMPORARY AIRCRAFT STORAGE PROJECT consisting of: A certified Tier 4f diesel engine, EPA Family JDZXL07.8051, manufactured in 2018 and equipped with factory-installed emission controls. Exhaust flow is approximately 1109 ACFM at 888 degrees Fahrenheit through a 4.2 foot tall by 4 inch diameter stack:

One Deutz, Diesel fired internal combustion engine Model No. TCD 7.8 and Serial No. 12206334, Charge Air Cooler, Compression-Ignited, Continuous Trap Oxidizer, Diesel Oxidation Catalyst, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 308 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 14.9 gal/hr. This equipment powers a Hitzinger Ground Power Unit Model No. 180 and Serial No. TBD, rated at 180 kVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.15	gm/bhp-hr
NOx	0.20	gm/bhp-hr
PM10	0.015	gm/bhp-hr
PM2.5	0.015	gm/bhp-hr
SOx	0.0047	gm/bhp-hr
VOC	0.075	gm/bhp-hr

CONDITIONS:

1. This 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 contaminants. Unless otherwise

Fee Schedule: 1 (c) Rating: 308 bhp SIC: 4581 SCC: 20100102 Location/UTM(Km): 473E/3820N

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

noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2.This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

3.This engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. This system must be moved for a valid business purpose annually.
[Title 17 CCR 93116.2(bb)] [District Rules 1302, 1303, and 1320]

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 93116.4(c)(2)(A)]

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

- a. Diesel Oxidation Catalyst;
- b. Exhaust Gas Recirculation System;
- c. Continuous Trap Oxidizer
- d. Electronic Control Module; and
- e. Selective Catalytic Reduction System;

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302]

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 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. Initial hour meter reading upon arrival at the facility and final hour meter reading upon departure from the facility;
 - b. Weekly, monthly and calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
 - c. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
- [Title 17 CCR 93116.4(c)]

7.All GPUs and ASUs (Start Carts) operating within the temporary aircraft storage area shall have a maximum Diesel Particulate Matter emission factor of no more than 0.015 g/bhp-hr.
[District Rules 1302 and 1320]

8.The only GPUs authorized to operate in the temporary aircraft storage areas are the following District permitted GPUs: B013820, B013821, B013822, B013824, B013840, B013853, and B013854. Furthermore, the ASU described in District Permit B013852 is the only authorized ASU to operate in the temporary aircraft storage areas.
[District Rules 1302 and 1320]

9.The total annual operating time for this unit and its replacement(s), if any, shall not exceed 1,750 hours.
[District Rules 1302 and 1320]

10.In the event that this engine needs to be replaced, the replacement engine cannot have a higher maximum rated bhp of this engine nor have a higher DPM emission factor than 0.015 g/bhp-hr. Furthermore, the District is to be notified via email at engineering@mdaqmd.ca.gov within 48 hours of any equipment replacements. The information required to be in the notification shall include the following:

- a. Date of replacement;
- b. Beginning and Final engine hour meter reading of this unit;
- c. Make, model, and serial number of the replacement engine;
- d. USEPA Family Name of the replacement engine;
- e. Maximum rated power output of the replacement engine, in bhp; and

f. Starting hour meter reading of the replacement engine.
[District Rules 1302 and 1320]

11. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[Title 17 CCR 93116, District Rule 1302]

12. 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]

13. Upon completion of the temporary aircraft storage project, the owner shall notify the District to update the above conditions to allow continued portable operation within the District.
[District Rule 1302]