



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E009474

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: JANUARY 2027

OWNER OF OPERATOR (Co. #866)

Southern California Logistics Airport
18374 Phantom
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #2828)

Victorville - SCLA Lighting
18374 Phantom
Victorville, CA 92394

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR (VAULT #2) consisting of: Year of Manufacture 2005; Tier 1.

One Cummins, Diesel fired internal combustion engine Model No. QSMII-G2 TPEM and Serial No. 35162975, producing 470 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 21.0 gal/hr. This equipment powers a Stamford Generator Model No. M06E11030603 and Serial No. S110306-03, rated at 375 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.5	gm/bhp-hr
NOx	3.4	gm/bhp-hr
PM10	0.09	gm/bhp-hr
SOx	0.05	gm/bhp-hr

CONDITIONS:

1. This stationary use only diesel engine shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. Unless

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4581

SCC: 20100102

Location/UTM(Km):
469E/3829N

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

otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[40 CFR 63.6605 (b), 63.6625(e)]

2. This engine 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(c)]

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

3. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on each engine to indicate elapsed engine operating time.

[Title 17 CCR 93115.10(d); 40 CFR 63.6625(f)]

4. This unit shall be limited to use for emergency power, as defined by Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and 40 CFR 63 Subpart ZZZZ. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.

[17 CCR 93115.6(b)]

5. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

[17 CCR 93115.6(c)(1)(C)]

6. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.

[40 CFR 63.6625(h)]

7. This engine is subject to the requirements of NESHAP Subpart ZZZZ and as such the owner/operator shall comply with the following maintenance and operation schedule as summarized:

a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and,

d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[40 CFR 63, Subpart ZZZZ]

8. The owner/operator shall maintain an operations log for each 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 information specified below:

a. Date of each use and duration of each use (in hours per hour meter);

b. Reason for use (testing & maintenance, emergency, required emission testing);

c. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,

d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115.10(f)]

9. These engines are subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs). In the event of conflict between these conditions, the

NESHAPS, or the ATCM, the more stringent requirements shall govern.

10. The owner/operator (o/o) shall completely offset the maximum annual potential-to-emit for permitted and unpermitted equipment used in the support/operations of aircraft and/or an airfield, including aerospace ground equipment, added after April 1, 1999 at this facility that replace or perform essentially the same function as retired equipment associated with the shutdown of George Air Force Base for which emission reduction credits were issued.

The o/o shall maintain on site a copy of the ERC contract between the Southern California International Airport Authority and the MDAQMD.

This emergency engine does not meet the criteria specified and is not subject to the banked ERC offsetting requirement.
[District Rule 1303]

11. The emissions from this facility shall be less than the following limits:

- a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis;
- b. 12 tons of PM10 per year on a 12 month calendar year basis;
- c. 20 tons of NOx per year on a 12 month calendar year basis;
- d. 20 tons of VOC per year on a 12 month calendar year basis;
- e. 20 tons of CO per year on a 12 month calendar year basis; and,
- f. 20 tons of SOx per year on a 12 month calendar year basis.

Compliance with this limit shall be verified with the most recent approved annual emissions inventory.
[District Rules 1302 and 1320]

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. A comprehensive emission inventory including both criteria pollutants and HAP/TAC shall be submitted every third submission.

[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]