



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

E009748

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: FEBRUARY 2027

OWNER OF OPERATOR (Co.#866)

Southern California Logistics Airport
18374 Phantom
Victorville, CA 92394

EQUIPMENT LOCATION (Fac.#1612)

SCLA - Phantom
18374 Phantom
Victorville, CA 92394

Description:

DIESEL IC ENGINE, EMERGENCY FIRE PUMP (#2) DELUGE SYSTEM consisting of: Seven John Deere Emergency engines - see description below, powering seven deluge Clarke model JU6H-UF60 fire pumps, each with its own 500 gallon fuel tank applying pressure to a 23" supply pipeline from a one million gallon service water tank. The engine serial numbers are: Engine #1 - PE6068H517074 Engine #2 - PE6068H526873 Engine #3 - PE6068H537193 Engine #4 - PE6068H517079 Engine #5 - PE6068H517070 Engine #6 - PE6068H537192 Engine #7 - PE6068H517072 Each pump consisting of:

One John Deere, Diesel fired internal combustion engine Model No. 6068HF120 and Serial No. listed above, Turbo Charged, producing 240 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 11.0 gal/hr. This equipment powers a Clarke Fire Protection Pump Model No. JU6H-UF60 and Serial No. FP 0044563 1-7, rated at 2000 gpm.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.46	gm/bhp-hr
HC	0.1	gm/bhp-hr
NOx	3.5	gm/bhp-hr
PM10	0.15	gm/bhp-hr
SOx	0.16	gm/bhp-hr
VOC	0.1	gm/bhp-hr

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4581

SCC: 20100102

Location/UTM(Km):
466E/3827N

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.

Southern California Logistics Airport
18374 Phantom
Victorville, CA 92394

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of 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 63.6640(a) and Table 6; Rule 204]

2. 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)]

3. 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.

4. These engines 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, each engine shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.

[17 CCR 93115.6(b)]

5. The 20 hour annual operating limit for maintenance and testing purposes may be exceeded if authorized by National Fire Protection Association (NFPA) Publication 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," (current edition approved by the CARB Executive Officer).

[Title 17 CCR 93115(c)16]

6. 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]

7. 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)]

8. 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.

9. 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.

10. 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]

11. 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]