



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

E009590

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: AUGUST 2024

OWNER OF OPERATOR (Co.#15)

Pacific Gas & Electric/Air Permits
PO Box 7640
San Francisco, CA 94120

EQUIPMENT LOCATION (Fac.#39)

PG&E - Topock Compressor Station
145453 National Trails Highway
Needles, CA 92363

Description:

DIESEL IC ENGINE, EMERGENCY FIRE PUMP (FP-1) consisting of:

One Detroit Diesel, Diesel fired internal combustion engine Model No. 5034-8012 and Serial No. 3FD1797, Direct Injected, producing 91 bhp with 3 cylinders at 3000 rpm while consuming a maximum of 6.0 gal/hr. This equipment powers a ITT A-C Pump Fire Pump Model No. 6X4X10F-M and Serial No. 931-94915-03-01, rated at 300 gpm @ 288 feet of head.

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, and in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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 63.6605(a) and (b) and 63.6625(e)]

2. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.0015% or 15 ppm per CARB Diesel or equivalent requirements.

[Rule 204 - Permit Conditions]

3. 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) and 40 CFR 63.6625(f)]

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4939

SCC: 20200102

Location/UTM(Km):
730E/3844N

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

4. The hour limit of Condition #5 can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition.

[17 CCR 93115.3(n)]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or due to low water pressure. In addition, this unit 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)(3) and 40 CFR 63.6640(f)(ii)]

6. The o/o shall maintain a 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. Date of each use and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and 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).

[Rule 204 - Permit Conditions]

7. O/o shall:

- a. Change oil and filter every 500 hours of operation or annually or perform an oil analysis as specified in 40 CFR 63.6225(i), 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. Shall 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.

[40 CFR 63.6625(h)]

8. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (13 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern. [Rule 204 - Permit Conditions]