



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

E013097

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: OCTOBER 2025

OWNER OF OPERATOR (Co. #31)

Southern California Gas Co. - MD
9400 Oakdale Avenue
Chatsworth, CA 91313

EQUIPMENT LOCATION (Fac. #1437)

SCG - Blythe
13100 W 14th Avenue
Blythe, CA 92225

Description:

DIESEL IC ENGINE, EMERGENCY DIRECT-DRIVE WATER PUMP, PHASE I, consisting of: Year of Manufacture is 2018. Engine is a certified Tier III diesel engine, EPA Family Name JJDXL06.8120; EPA Certificate Number JJDXL06.8120-006; Engine Model Year 2018; DOES NOT HAVE A CORRESPONDING CARB EO CERTIFICATE. Engine meets the emissions requirements of 17 CCR 93115, and NSPS Subpart IIII. Equipment elevation is 262 feet above sea level. Stack height is 12 feet and Stack Diameter is 5 inches. Stack exhaust at 1189 cfm at 986 Degrees F and at a velocity of 7000 fpm.

One Clarke/John Deere, Diesel fired internal combustion engine Model No. JU6H-UFAD88 and Serial No. PE6068N008707, Turbo Charged, Direct Injected, Electronic Control Module, producing 237 bhp with 6 cylinders at 1760 rpm while consuming a maximum of 12 gal/hr. This equipment powers a PENTAIR AURORA Fire Pump Model No. 6-481-18C and Serial No. 18-2539071, rated at 2000 GPM.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.90	gm/bhp-hr
NOx	2.70	gm/bhp-hr
NOx+NMHC	2.82	gm/bhp-hr
PM10	0.10	gm/bhp-hr
PM2.5	0.10	gm/bhp-hr
VOC	0.12	gm/bhp-hr

Fee Schedule: 7 (a)

Rating: 1 device

SIC: 4922

SCC: 20100102

Location/UTM(Km): 719E/3271N

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 Gas Co. - MD
PO Box 2300, SC 9314
Chatsworth, CA 91313-2300

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

CONDITIONS:

1. This equipment, and any associated air pollution control device(s), shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice 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 60.4211; District Rule 1302(C)(2)(a)]

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

[40 CFR 60.4209; Title 17 CCR 93115.10(d)]

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. This unit shall be limited to emergency use only, defined as in response to a fire or when normal electrical power generation has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve month period for testing and maintenance, unless NFPA-25 (current edition) authorizes additional time: If the 50 hour limit is exceeded due to NFPA requirements, the owner/operator is to have the authorizing section of NFPA 25 available for review at all times. Time required for source testing will not be counted toward the 50 hour rolling annual limit.

[17 CCR 93115.6(b), District Rule 1302(C)(2)(a)]

5. The owner/operator shall maintain an 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 per hour meter);

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

c. Rolling consecutive twelve month period operation in terms of fuel consumption (in gallons) or total hours;

d. Records of all maintenance and inspections; and,

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

[40 CFR 70.6(a)(3)(ii)(b), 40 CFR 60.4214, 17 CCR 93115.10(f), District Rule 1302(C)(2)(a)]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

[District Rule 1302(C)(2)(a)]

7. 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]