



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

E013453

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: OCTOBER 2022

OWNER OF OPERATOR (Co.#31)

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

EQUIPMENT LOCATION (Fac.#68)

SCG - South Needles
on Hwy 95, 11 miles South of
Needles, CA 92363

Description:

NATURAL GAS IC ENGINE, EMERGENCY SPARK-IGNITED (SI), AUXILIARY COMPRESSOR consisting of: Year of Manufacturer 2019; 4SRB; Engine is subject to NSPS 40 CFR Part 60 Subpart JJJJ and is located at a HAP Major Source. Engine is equipped with the following Control Equipment: DCL Model 2DC49-6CGS horizontal catalytic converter/silencer: - 18-32 dBA insertion loss - Mounted on cooler - (1) DC49 catalytic elements - Guaranteed Emissions (g/bhp-hr); NOx: 0.44, CO: 2.0, VOC: 0.29 RELi E3 Air Fuel Ratio (AFR) Control System; Exhaust Stack is 13.5 feet high and has a 1.167 foot diameter, and vents at 1801 Lb/hr and at a temperature of 1004 F; Facility elevation is 1342 feet above sea level.

One Caterpillar, NG fired internal combustion engine Model No. G3406TA and Serial No. TBD, Four-Stroke Rich Burn, producing 276 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 2.05 MMBtu/hr. This equipment powers a Model No. and Serial No., rated at.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.000	gm/bhp-hr
NOx	0.440	gm/bhp-hr
PM10	0.033	gm/bhp-hr
PM2.5	0.033	gm/bhp-hr
SOx	0.002	gm/bhp-hr
VOC	0.290	gm/bhp-hr

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine and control device, 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

Fee Schedule: 7 (g) Rating: 1 device SIC: 4922 SCC: 20100202 Location/UTM(Km): 719E/3842N

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

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 60.4243(a)(1), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

2.This equipment shall be exclusively fueled with pipeline quality natural gas with a sulfur content not exceeding 1.0 grains per 100 dscf on a rolling twelve month average basis. Compliance with this limit shall be demonstrated by providing evidence of a contract, tariff sheet or other approved documentation that shows that the fuel meets the definition of pipeline quality gas.

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

3.Engine may operate in response to a planned electrical outage, operate no more than 30 minutes prior to the forecasted outage, and during operational testing purposes once normal electrical power is restored.

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

4.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

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

5.This unit shall be limited to provide emergency compressed air for the startup of the Facility Generators operating under District Permits, B002151, B002152, and B002153. Emergency is defined as interruption to normal electrical power generation. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing, and shall not operate more than 200 hours in any consecutive 12-month period (1-year).

[40 CFR 60.4243(d), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, District Rules 301, and 1320]

6.The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of two (2) 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 standard cubic feet) or total hours; and,
- d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst;

[40 CFR 60.4245, Subpart JJJJ]

7.The air-to-fuel ratio controller shall be used in conjunction with the operation of the three-way catalyst, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.

[40 CFR 60.4243(g), Subpart JJJJ]

8.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]