



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

E003483

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. #65)

SCG - Newberry Springs
3 Miles So. of I40 on Fort Cady Road
Newberry Springs, CA 92365

Description:

NATURAL GAS IC ENGINE, EMERGENCY AIR COMPRESSOR consisting of: Year of Manufacture: pre-June 2006; Uncertified, 4SRB, located at a HAP Major Source. Engine is Subject to RICE NESHAP 40 CFR Part 63 Subpart ZZZZ for engines located at a HAP Major Source. Emissions Rates, summarized below, are from AP-42 Table 3. 2-3. UNCONTROLLED EMISSION FACTORS FOR 4-STROKE RICH-BURN ENGINES (see: <https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s02.pdf>). Stack is 18 feet in height and 0.5 feet in diameter. Stack gas exhausts at 393 cfm at a temperature of 425 deg F and at a velocity of 2000 fpm. Equipment elevation is 1900 feet above sea level.

One Waukesha, NG fired internal combustion engine Model No. F1197G and Serial No. 104806, producing 166 bhp with 6 cylinders at 1400 rpm while consuming a maximum of 1520 MMscf/hr. This equipment powers a Model No. and Serial No., rated at.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.51	lbs/MMBtu
NOx	2.27	lbs/MMBtu
PM10	0.00950	lbs/MMBtu
SOx	0.000588	lbs/MMBtu
VOC	0.0296	lbs/MMBtu

CONDITIONS:

Fee Schedule: 7 (g) Rating: 1 device SIC: 4922 SCC: 20200202 Location/UTM(Km): 537E/3849N

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

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 63.6605(a) and 63.6605 (b)]

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 shut down immediately after normal electrical power is restored.

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

4.Owner/operator must meet the following requirements;

a. Change oil and filter every 500 hours of operation or annually, whichever comes first. Owner/operator may utilize an oil analysis program as described in 63.6625(i) in order to extend this requirement.

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.

[40 CFR 63 Subpart ZZZZ, Table 2c]

5.The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of five (5) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, 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. Records of maintenance; and

d. Calendar year operation in terms of fuel consumption (in scf or equivalent) and total hours.

[District Rule 1302(C)(2)(a), 40 CFR 63.6655(e)]

6.The owner/operator 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, after which time the emission standards applicable to all times other than startup apply.

[40 CFR 63.6625(h)]

7.This unit shall not be operated more than 50 hours per year for non-emergency maintenance and readiness testing. Additionally, this device shall not operate more than 100 hours, including Emergency operations, in any consecutive 12-month period (1-year).

Emergency is defined as an unplanned interruption to normal facility air compression operations.

[District Rules 1160, 40 CFR 63.6640(f)]

If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 6, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[40 CFR 63.6603(a)]

8.This unit is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAPs); District Rule 1160 is not applicable, when engine is operated per these permit conditions. In the event of conflict between conditions and the referenced regulatory citation, the more stringent requirements shall govern.

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

9.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]