



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

B004159

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:

NATURAL GAS IC ENGINE, RECIPROCATING AIR COMPRESSOR, PLANT 2, AUXILIARY BUILDING consisting of: Year of Manufacturer 1966. Engine is Subject to RICE NESHAP 40 CFR 63, Subpart ZZZZ, and is located at a HAP Major Source. To comply with RICE NESHAP engine is equipped with an NSCR catalyst manufactured by DCL; Catalyst Model DC49. Engine has a maximum heat input of 1.55 MMBTU/Hr. Equipment Elevation is 262 feet above sea level. Stack height is 15.9 feet and stack diameter is 0.50 feet. Stack exhausts at 391 cfm at a temperature of 525 Degrees F and velocity of 2000 fpm. THIS ENGINE AND ITS INTEGRAL NSCR CATALYST ARE SCHEDULED TO BE SHUT DOWN AND THIS PERMIT CANCELLED PERMANENTLY DURING PHASE II OF THE BCS COMPRESSOR UPGRADE PROJECT.

One Waukesha, NG fired internal combustion engine Model No. F817QU and Serial No. 401493, producing 160 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 1520 scf/hr. This equipment powers an Ingersoll Rand Compressor Model No. T 40 and Serial No. T 40 M0455 D89A, rated at 250 PSI.

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 63.6605(b) and District Rule 1302(C)(2)(a)]

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.

Fee Schedule: 1 (b) Rating: 160 bhp SIC: 4922 SCC: 20200202 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

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

3.The owner/operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
[40 CFR 63.6625; District Rule 1302(C)(2)(a)]

4.The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) 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) Calendar year operation in terms of fuel consumption (in DSCF) and total hours.
- (c) Keep records of maintenance.

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

5.This unit is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAP). In the event of conflict between conditions, the referenced regulatory citations, and District Rules, the more stringent requirements shall govern.

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

6.Pursuant to 40 CFR 63.6612, since this RICE is less than or equal to 500 brake HP and located at a major source of HAP emissions, the owner/operator shall comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

7.Pursuant to 40 CFR 63.6602, the owner/operator of this RICE must comply with the emission limitations and other applicable requirements in Table 2c of this subpart. Compliance with the numerical emission limitations established in this subpart shall be based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in 63.6620 and Table 4 to this subpart.

8.Pursuant to the emission limitations for this Non-emergency, non-black start 4SRB stationary for RICE horsepower that is greater than 100 and less than 500, the owner/operator shall limit concentration of formaldehyde in the stationary RICE exhaust to 10.3 ppmvd or less at 15 percent O₂.

[Table 2c to Subpart ZZZZ of Part 63 Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE less than 500 HP Located at a Major Source of HAP]

9.The owner/operator of this NSCR equipped engine shall ensure the catalyst inlet temperature is greater than 750 F and less than 1250 F.

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

10.The owner/operator shall conduct an initial performance test by April 19, 2014 as required by 40 CFR 63.6610(a).

11.The owner/operator shall submit to the MDAQMD several different notifications and reports, including initial notification, notification of performance test, notification of compliance status (including performance test results), and semiannual compliance reports, including deviation and malfunction reports if applicable.

[40 CFR Part 63 Subpart ZZZZ]

12.The owner/operator shall conduct performance tests using (1) Method 1 or 1A of 40 CFR 60, appendix A 63.7(d)(1)(i); sampling sites must be located at the inlet and outlet of the control device. The average formaldehyde concentration, as applicable, corrected to 15 percent oxygen, dry basis, from three test runs shall be less than or equal to the formaldehyde concentration limitation, as applicable.

[Table 4 to Subpart ZZZZ of Part 63 Requirements for Performance Tests]

13.Pursuant to 40 CFR 63.6612; since this RICE is less than or equal to 500 brake HP and located at a major source of HAP emissions, the owner/operator shall comply with the applicable emission limitations, operating limitations, and other requirements no later than

October 19, 2013. [40 CFR 63.6595]

The owner/operator shall submit semiannual reports in accordance with 40 CFR 63, Subpart 63.6650:

- a. Company name and address
- b. Statement of responsible official
- c. Date of report and beginning and ending dates of reporting period
- d. If you had a malfunction during the reporting period, the information in 63.6650(c)(4)
- e. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. f. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in 63.6650(d)
- g. Semiannual compliance reports shall be postmarked or delivered, no later than July 31st, and no later than January 31st, or as otherwise allowed in the Title V permit.

14. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

15. 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]