



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

E009234

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 2024

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, AUXILIARY AIR COMPRESSOR consisting of: Year of Manufacture: pre-June 2006; Uncertified, 4SRB; 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. Stack height is 13.5 feet and stack diameter is 1.167 feet. Stack gas temperature is 1004 deg F at 400 cfm, and at a velocity of 374 fpm. Equipment Elevation is 1342 feet above sea level.

One Waukesha, NG fired internal combustion engine Model No. VRG330U and Serial No. 399781, producing 83 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 648.0 scf/hr. This equipment powers a Ingersol-Rand Compressor Model No. HSOA and Serial No. T-40 MO238 D88A, rated at 250 psi.

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):
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.

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, 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.
[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.
[1302(C)(2)(a), 40 CFR 63 Subpart ZZZZ]
6. 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 spark plugs 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 63.6603, table 2c]
7. 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)]
8. 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.
[40 CFR 63.6625(h)]
9. This unit is subject to the requirements of 40 CFR 63 Subpart ZZZZ (RICE NESHAPs) and these permit conditions. In the event of conflict between conditions and the referenced regulatory citations, the more stringent requirements shall govern.
[District Rule 204]
10. 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]