



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B009211

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.#69)

SCG - No Needles Compressor Station
4500 Needles Highway
Needles, CA 92363

Description:

SPARK-IGNITED (SI) NATURAL GAS IC ENGINE, POWERING AN AIR COMPRESSOR (Unit 1A) consisting of: Year of Mfg tbd; four stroke rich burn (4SRB) Engine is subject to RICE NESHAP Requirements of 40 CFR 63 Subpart ZZZZ for engines less than 100 located at a HAP Major Source. Equipment elevation is 562 feet above sea level. Stack height is 25.7 feet and stack diameter is 0.5 feet. Stack exhausts at 393 cfm at a temperature of 425 deg F and at a velocity of 2000 fpm.

One Waukesha, NG fired internal combustion engine Model No. 145GZ and Serial No. 62448, producing 62 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 485.0 scf/hr. This equipment powers a Joy Compressor Model No. 5 and Serial No. 164927231, rated at 250 psi.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	12.715	gm/bhp-hr
NOx	8.223	gm/bhp-hr
PM10	0.034	gm/bhp-hr
PM2.5	0.034	gm/bhp-hr
SOx	0.0021	gm/bhp-hr
VOC	0.107	gm/bhp-hr

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

Fee Schedule: 7 (g) Rating: 62 device SIC: 4922 SCC: 20200202 Location/UTM(Km): 718E/3865N

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

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.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f)]

4.The owner/operator shall maintain an operations log (in electronic or hardcopy format) 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. Calendar year operation in terms of fuel consumption (in cubic feet or Btus) and total hours.
- b. Records of each instance in which the emission and operating limitations are not met. [63.6640 (b)]
- c. Records of the occurrence and duration of each malfunction of operation and the actions taken to correct such malfunction of operation. [40 CFR 63.6655(a)]
- d. Records of all oil and filter changes, and hose and belt inspections.

5.The owner/operator of this Non-Emergency, non-black start stationary SI RICE <100 HP that is not a 2SLB stationary RICE, shall:

- a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first, and replace as necessary, and
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63, Subpart ZZZZ, Table 2d]

6.The owner/operator shall 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]

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]