



## 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

B000297

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. #1626)

SCG - Kelso  
35690 Kelbaker Road  
Kelso, CA 92351

#### Description:

SPARK-IGNITED (SI) NATURAL GAS IC ENGINE, GENERATOR UNIT No. 1 consisting of: Year of Manufacture; 1970; 4SRB; Engine is Subject to RICE NESHAP 40 CFR Part 63 Subpart ZZZZ and is Located at a HAP Area Source. Equipment Elevation is 2835 feet above sea level.

One Waukesha, NG fired internal combustion engine Model No. Model L 5180 -GU and Serial No. 139705, producing 465 bhp with 12 cylinders at 900 rpm while consuming a maximum of 5.92 MMBtu/hr. This equipment powers a EM Bemac II Compressor Model No. and Serial No. 169164311, rated at 350 kW.

#### EMISSIONS RATES

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 2.385         | gm/bhp-hr |
| NOx           | 1.5425        | gm/bhp-hr |
| PM10          | 0.03228       | gm/bhp-hr |
| PM2.5         | 0.03228       | gm/bhp-hr |
| SOx           | 0.0020        | gm/bhp-hr |
| VOC           | 0.02011       | lbs/MMBtu |

#### CONDITIONS:

1. This equipment shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier

Fee Schedule: 1 (c)      Rating: 465 bhp      SIC: 4923      SCC: 20200202      Location/UTM(Km): 622E/3862N

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

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 Part 63.6625(e)(8) 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.This engine is located at an Area HAP Source and subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements:

The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

- a. Change oil and oil filter every 1,440 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and replace as necessary;
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

[Table 2 d to Subpart ZZZZ of Part 63]

4.The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years [40 CFR 63.6660], and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

- a. Dates of operation;
- b. Hours of operation;
- c. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 5 below [40 CFR 63.6655(a)(4)] ; and,
- d. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)]; and,
- e. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(5); District Rule 204]

5.The owner/operator must 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)]

6.Owner/operator shall not operate this engine without direct coupling to a generator and without the installed speed controller functioning properly and maintaining the rpm equal to 900. The engine shall be bhp restricted to a maximum load limit of 350 kW. The limit is approximately 465 bhp at 900 rpm.

[District Rule 1302]

7.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)]

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

[District Rule 204]

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]