MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B011641

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: OCTOBER 2015

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:
CAPSTONE C200 MICROTURBINE consisting of: Capstone C200 Microturbine, rated at 4.68 MMBtu/hr (200 kW), fired on natural gas with a maximum hourly fuel use rate of 4458.87 scf.

EQUIPMENT

Capacity	Equipment Description
46.8	Capstone Microturbine rated at 46.8 MBtu/hr

CONDITIONS:

1. 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, and shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. 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. [Requirements of 431-Sulfur Content of Fuel streamlined out. 1302 (C)(2)(a), BACT]

2. Owner/operator shall maintain an operations log (in either electronic or hardcopy format) for this equipment, which contains at a minimum the following information. Said log must be maintained on-site for a minimum of five (5) years and presented to District, State, or Federal personel upon request. a. Total megawatts produced per year; b. Fuel sulfur analysis; c. Record(s) of all maintenance, malfunction, and repairs; and d. Results of most recent compliance test.

Fee Schedule: 2 (d) | Rating: 4680000 Btu | SIC: 4922 | SCC: 20100201 | 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**
Eldon Heaston
Air Pollution Control Officer

3. This equipment must be operated in accordance with CARB Executive Order DG-035. The more stringent of these conditions or the requirements of the E.O. DG-035 must be met at all time.

4. Emissions from each microturbine shall not exceed the following emission limits at any firing rate, except during periods of startup (not to exceed 60 minutes per event), shutdown (not to exceed 30 minutes per event), and malfunction; NOx: 0.07 lb/MW-hr VOC: 0.02 lb/MW-hr CO: 0.10 lb/MW-hr SOx: 0.0027 lb/MMBtu PM10: 0.0056 lb/MMBtu [Regulation XIII-BACT requirement in the case of NOx, VOC, and CO]

5. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing. [1302 (C)(2)(a)]

6. The o/o shall perform the following initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. Testing of only one microturbine unit is required. The test report shall be submitted to the District not later than 180 days after date of initial start-up. The following compliance tests are required and must be conducted at full load: a. NOx as NO2 in ppmvd at 15% oxygen and lb/MW-hr (measured per USEPA Reference Method 7E). b. VOC as CH4 in ppmvd at 15% oxygen and lb/MW-hr (measured per USEPA Reference Methods 25A and 18). c. CO in ppmvd at 15% oxygen and lb/MW-hr (measured per USEPA Reference Method 10). d. SOx as SO2 in ppmvd at 15% oxygen and lb/hr. e. PM10 in mg/m3 at 15% oxygen and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5 or equivalent. Front half and back half required). f. Flue gas flow rate in dscfm measured per USEPA Method 19).

7. A regularly scheduled emission compliance test (beyond initial) is not required unless requested in writing by the APCO.

8. The 10 microturbines under valid District Permit numbers B011545 and B011636 thru B011644 are a direct replacement for three existing natural gas IC engines at this facility (B000291, B000292, and B000293). These three IC engines must be removed or converted to emergency use only generators as part of this replacement project. Please note these IC engines were converted to emergency use (allowed to operate as prime until replacement occurs) only by permit condition, concurrent with permitting of microturbines. [1302 (C)(2)(a)]