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

RENEWAL

B011169

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#86)

MAGTFTC MCAGCC
Box 788110, Bldg 1418
Twentynine Palms, CA 92278-8110

EQUIPMENT LOCATION (Fac.#3252)

USMC AGCC - USMC Utilities
Box 788110, Bldg. 1451
Twentynine Palms, CA 92278

Description:
COMBUSTION TURBINE GENERATOR, #100 (BLDG 1991) consisting of: Solar Turbines, Mercury model 50, 40.78 MMBtu/hr, fueled on natural gas (Primary) or LPG (Back-up), rated at 4.6 MWe (at standard conditions), powering shaft driven generator and utilizing waste combustion heat in a Hot Water Heat Recovery Generator for heating and cooling for HVAC system and domestic water heating.

CONDITIONS:

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 1302]

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[District Rule 1302]

3. This unit shall be fired on pipeline quality natural gas, with LPG fuel as a back-up. This unit may be fired on LPG fuel for testing or during curtailment of natural gas supply only.
[District Rule 431]

Fee Schedule: 2 (e)	Rating: 40780000 Btu	SIC: 9711	SCC: 20100201	Location/UTM(Km): 587E/3788N

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.

MAGTFTC MCAGCC
Box 788110, Building 1418

Twentynine Palms, CA 92278-8110

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

4. This equipment is subject to the federal NSPS codifed at 40 CFR 60, Subparts A (General Provisions) and GG (Standards of Performance for Stationary Gas Turbines). Compliance with all applicable provisions of this regulation is required.

5. Emissions from this equipment shall not exceed the following emission limits at nominal full load and in accordance with test methods described in conditions below:
a. Hourly rates, verified by compliance test(s) or other compliance methods in the case of SOx:
i. NOx as NO2 - 0.774 lb/hr (based on 5 ppmvd corrected to 15% oxygen)
ii. CO - 0.94 lb/hr (based on 10 ppmvd corrected to 15% oxygen)
iii. VOC as CH4 - 0.51 lb/hr (based on 10 ppmvd corrected to 15% oxygen)
iv. SOx as SO2 - 0.11 lb/hr (based on 1.0 gr/dscf fuel bound sulfur and corrected to 15% oxygen)
iv. PM10 - 0.87 lb/hr.
[District Rules 1159 and 1302]

6. 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.
[District Rule 475]

7. The o/o shall perform the following initial compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual. 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:
a. NOx as NO2 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 19 and 20).
b. VOC as CH4 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 25A and 18)
c. SOx as SO2 in ppmvd at 15% oxygen and lb/hr.
d. CO in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Method 10)
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).
f. Flue gas flow rate in dscfm.
g. Opacity (measured per USEPA Reference Method 9).
[District Rule 475]

8. The o/o shall perform annual compliance tests on this equipment in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required:
a. NOx as NO2 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 19 and 20).
b. VOC as CH4 in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Methods 25A and 18).
c. CO in ppmvd at 15% oxygen and lb/hr (measured per USEPA Reference Method 10).
[District Rule 475]

9. This equipment shall exhaust through a stack at a minimum height of 50 feet. The o/o shall provide sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
[District Rule 1302]

10. In each calendar year, the actual emissions of this facility shall be less than 20 tons NOx, 20 tons VOC, and 12 tons PM10 (SM80 Emission Rate). O/o shall demonstrate compliance with this limit on an annual basis through the submission of the Comprehensive Emission Inventory Report (CEIR) to the District. Copies of the CEIR(s) must be kept and maintained on-site for at least five years and presented to District personnel upon request.
[District Rule 221]

11. 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]