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

RENEWAL

B011171

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:
BOILER, HOT WATER HEATER #100 (BLDG 1991) consisting of: Unilux, Model ZW2500W-1-SS-400/400-LB, 23.53 MMBtu/hr, water-tube type, fueled with natural gas as primary and LPG as backup, Low NOx burner with flue gas recirculation.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. Furthermore, operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 204]

2. 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]

3. The flue gas recirculation system must be in use whenever the boiler is in operation. The burner shall be equipped with a control system to automatically regulate the combustion air, fuel and recirculated flue gas as the boiler load varies.
[District Rule 204]

Fee Schedule: 2 (e)	Rating: 23530000 Btu	SIC: 9711	SCC: 10200602	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. The Owner/Operators shall monitor and record for each permit unit the High Heat Value and cumulative annual usage of each fuel. The cumulative annual usage of each fuel shall be monitored from utility service meters, purchase or tank fill records. A statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.
[District Rule 1157(E)(2)(a)]

5. Emissions from this equipment shall not exceed the following hourly emission limits:
a. NOx as NO2:
i. 0.28 lb/hr operating at 100% load, fired on Natural Gas (based on 9.0 ppmvd corrected to 3% oxygen and averaged over one hour)
ii. 0.34 lb/hr operating at 100% load, fired on LPG (based on 12.0 ppmvd corrected to 3% oxygen and averaged over one hour)
b. CO:
i. 1.86 lb/hr operating at 100% load (based on 100 ppmvd corrected to 3% oxygen and averaged over one hour)

6. This equipment shall be tested to determine compliance with the above limits through emission compliance testing, according to Rule 1157, not less than once every twelve (12) months. A tune-up may be performed in lieu of a compliance test for years when the annual heat input is less than 50,000 MMBtu. When back-up fuel (LPG) provides less than 20,000 MMBtu of heat input in the twelve month consecutive period prior to testing, the o/o shall not be required to perform compliance testing for this fuel.

7. The operator shall maintain a log for this equipment, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of two (2) years and shall be provided to District personnel on request:
a. Annual fuel use (MMcf) or heat input (MMBtu), on a calendar year basis; and
b. Compliance test or tune-up verification.
[District Rule 204]

8. 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]

9. The o/o shall perform a compliance test on this equipment to demonstrate initial compliance with the limits of condition 5 above in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 180 days of initial start up:
a. NOx as NO2 in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference
Methods 19 and 20); and
b. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10).

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; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]