



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

RENEWAL

B014765

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2026

OWNER OF OPERATOR (Co.#2926)

KHG Group, LLC
1118 N Central Ave Unit 16
Glendale, CA 91202

EQUIPMENT LOCATION (Fac.#4350)

KHG Group, LLC
2586 Mercantile Way
Barstow, CA 92311

Description:

CAPSTONE C600S MICROTURBINE consisting of: A Capstone MicroTurbine C600S Signature Series microturbine package consisting of three (3) C200 microturbines, each rated at 2.28 MMBTU/hr (0.6 Megawatt), fired on natural gas with a maximum hourly fuel use rate of 2200 scf. The combined rating of this C600S microturbine package is 6.84 MMBTU/hr. Facility elevation is 2450 feet above MSL.

One Capstone Turbine, NG fired internal combustion engine Model No. C600 and Serial No. 10991A, 10991B, 10991C, producing bhp with cylinders at rpm while consuming a maximum of 0.0114 MMscf/hr. This equipment powers a Model No. and Serial No. , rated at .

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.37	gm/bhp-hr
NOx	0.14	gm/bhp-hr
PM10	6.6	lbs/MMscf
SOx	0.57	lbs/MMscf
VOC	0.034	gm/bhp-hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application(s) for this permit.

Fee Schedule: 2 (e)

Rating: 6840000 Btu

SIC: 2833

SCC: 20100201

Location/UTM(Km):
492E/3586N

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.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

[District Rule 1302(C)(2)(a)]

2. This equipment is limited to using only PUC-Regulated pipeline quality natural gas for fuel.

[District Rule 431]

3. Fuel consumption shall be monitored using fuel meter or calculated based on equipment annual average operation, and reported in standard cubic feet.

[District Rules 431, 1159 and 1302]

4. These units shall meet the following emission limits (corrected to 15% oxygen and on a dry basis):

a. NO_x less than 42 ppmvd; and

b. CO less than 250 ppmvd;

Although periodic source testing is not currently required, the District may require such testing to verify the above emission limits at their discretion. Until such time source testing is required, the owner/operator shall show compliance with these emission limits by providing expected emissions data from the turbine manufacturer.

[District Rules 1159 and 1303]

5. The owner/operator shall maintain a combined operations log and Emission Control Plan (ECP) for this equipment on-site and current for a minimum of five (5) years, and log shall be provided to District personnel upon request. The operations log/Emission Control Plan shall include, at a minimum, the following information:

a. Total operation time (hours per day, hours per month and an annual total);

b. Total fuel consumed on an annual basis (reported in standard cubic feet);

c. Manufacturer's specification sheets, showing the concentration and mass rate of emissions of oxides of nitrogen from this unit;

d. Type and quantity of the fuel used; and,

e. Records of all maintenance and repair actions performed on this equipment by nature and date.

Please note: This unit is considered a non-exempt unit, pursuant to District Rule 1159, and therefore, is not required to record the nature of operation of the unit.

[District Rules 1159 and 1302(C)(2)(a)]

6. A facility wide Comprehensive Emission Inventory (CEI) Plan and Report 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]