



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B005162

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: OCTOBER 2002

OWNER OF OPERATOR (Co.#970)

Lockheed Martin Aeronautics Co.
1011 Lockheed Way
Palmdale, CA 93599

EQUIPMENT LOCATION (Fac.#1883)

Lockheed - Edwards AFB
X-33 Site Haystack Butte
Edwards AFB, CA 93524

Description:

NITROGEN VAPORIZER SYSTEM consisting of: a Ransome Model ID1000, 825 gal hot water bath LPG vaporizer burning approximately 10 gal of LPG vapor per hour (915,000 Btu/hr) and providing up to 1000 gal per hour of LPG (vaporized) to a Cryogenics Experts, Inc. hot water bath liquid nitrogen vaporizer, Model IFWB 14500. The nitrogen vaporizer has flue gas recirculation and employs two Coen low NOx parallel flow burners, each rated at 15 MMBtu/hr and emitting NOx at 40 ppm (v/v @ 3% oxygen).

EQUIPMENT

Capacity	Equipment Description
30	Coen Nitrogen Vaporizer Heaters (2 at 15 MMBtu/hr)
0.9	LPG Vaporizer Heater
0	Nitrogen Vaporizer Burner Blowers (2 at 15 hp)

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

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.

Fee Schedule: 2 (e)

Rating: 30900000 Btu

SIC: 9661

SCC: 10201002

Location/UTM(Km):
445E/3855N

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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1011 Lockheed Way

Palmdale, CA 93599

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

3. This equipment shall use only propane for fuel.

4. The owner/operator (o/o) shall log the hours of operation, the dates of operation and the annual weight or mass of propane used. The log shall be maintained current, on-site for a minimum of 2 (two) years and provided to District personnel on request.

5. The o/o is limited to operating this equipment for no more than 1000 hours per year, calculated on a rolling 12 month basis.

6. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.