



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

### PERMIT TO OPERATE

**B013436**

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: FEBRUARY 2025**

#### **OWNER OF OPERATOR (Co. #1023)**

Northrop Grumman Aeronautics Systems Corporation  
3520 E Avenue M, M/S 4F  
Palmdale, CA 93550

#### **EQUIPMENT LOCATION (Fac. #1816)**

Northrop Grumman Aeronautics System - Palmdale  
3520 E Avenue M  
Palmdale, CA 93550

#### **Description:**

NATURAL GAS HEATER - F35 Paint Shop SDD2 consisting of: Bessamaire Unit TAG: MAU-02 Model: HCDXF8-52 S# 51167-02 & S# 51126-02 Equipped with (4) four Eclipse Low NOx, Direct Fired, LNB, 1 MMBtu/hr burners. (Total BTU 4 MMBtu/hr)

#### **CONDITIONS:**

1. This equipment shall be fired on pipeline quality natural gas, with propane fuel as a back-up. [District Rule 431.1(c)(1)]
2. A non-resettable four-digit (9,999) hour meter and fuel flow meter shall be installed to indicate burner operating time as well fuel usage. [District Rule 204]
3. Total aggregate fuel consumption B013435, B013436, B013437 and B013438 shall not exceed 156 million standard cubic feet of natural gas per year.  
[District Rule 1305 - Offsets]
4. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.  
[District Rule 1146.1]

Fee Schedule: A (N/A)

Rating: 1 device

SIC: 3721

SCC: 10500106

Location/UTM(Km):  
425E/3830N

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.

Northrop Grumman Aeronautics Systems  
Corporation  
3520 E Avenue M, M/S 4F  
Palmdale, CA 93550

By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

5. Each make-up air heater shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):

- a. NO<sub>x</sub> 15 ppmvd or less.
- b. CO 100 ppmvd or less.

[District Rule 1303 - BACT; District Rule 1146.1]

6. The following records either paper or computerized shall be maintained on-site and made available to District, State, or Federal personnel upon their request:

- a. Total operating time in hours per month and total operating time per consecutive twelve month period.
- b. Total fuel consumed per month and per running consecutive twelve month period.
- c. Description of all repairs done to the burners.
- d. Tune-up results.
- e. Initial source test results.

[District Rule 1302(C)]

7. Each make-up air heater shall conduct an initial source test to verify the emission limits specified in Condition Number 5. Source test must be conducted in accordance with CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval) for NO<sub>x</sub>.

[District Rule 1303; District Rule 1146.1]

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.

[District Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. 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]