



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

### AUTHORITY TO CONSTRUCT

B015498

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

**EXPIRES LAST DAY OF: OCTOBER 2026**

#### **OWNER OF OPERATOR (Co.#710)**

High Tech Etch  
17469 Lemon Street  
Hesperia, CA 92345

#### **EQUIPMENT LOCATION (Fac.#3576)**

High Tech Etch - 17469 Lemon  
17469 Lemon Street  
Hesperia, CA 92345

#### **Description:**

MODULATING STEAM BOILER, NATURAL GAS consisting of: One (1) 4.99 MMBtu/hour, 125 hp, single natural gas-fired burner, Fulton model VSRT-125 vertical spiral rib tubeless steam boiler; serial no. TBD. The boiler system also includes one (1) Fulton HT-200 feedwater system, one (1) Fulton F-150 blowdown vessel, and one (1) Fulton FB450-910S water softener. Stack height is 20 feet, stack diameter of 10 inches. Please note: This boiler is employed as a part of the solvent vapor recovery system under MDAQMD permit no. C015497.

#### **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 for this permit. [District Rule 204]
2. This unit may be operated only on PUC regulated Pipeline quality natural gas fuel which complies with the sulfur limits specified in District Rule 431(C). [District Rule 431]

Fee Schedule: 2 (d)

Rating: 4990000 Btu

SIC: 3479

SCC: 10300603

Location/UTM(Km):  
473E/3812N

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**  
**Brad Poiriez**  
Executive Director

3. A dedicated fuel meter shall be installed to directly measure fuel usage.  
[District Rules 431 and 1303]

4. The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of three (3) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

- The monthly fuel use for natural gas consumed in MMSCF;
- Consecutive rolling 12 month period fuel usage for each fuel used in MMSCF;
- Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction;
- The results of all initial, annual, and all subsequent equipment tune ups; and,
- Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Rules 431 and 1302]

5. This equipment must be tuned at least once in every consecutive twelve month period, according to manufacturer's instructions.  
[District Rules 1302 and 1320]

6. The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO<sub>2</sub>;
- Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
- Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
- Hydrogen Sulfide (H<sub>2</sub>S): 8 tons per consecutive twelve (12) month period;
- Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- Particulate Matter 10 microns and less (PM<sub>10</sub>): 14.5 tons per consecutive twelve (12) month period;
- Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, National Emission Standards for Hazardous Air Pollutants (NESHAP), and/or require submission of a Title V permit application.  
[District Rules 1302 and 1303]

7. 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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]