



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

T013324

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: JUNE 2026

OWNER OF OPERATOR (Co.#2500)

5E Boron Americas, LLC
9329 Mariposa Rd. Suite # 210
Hesperia, CA 92344

EQUIPMENT LOCATION (Fac.#3893)

5E Boron Americas, LLC
27555 Hector Road
Newberry Springs, CA 92365

Description:

STORAGE TANK, HYDROCHLORIC ACID consisting of: A 17,500 gallon storage tank for aqueous Hydrochloric Acid (HCl) with an approximate concentration of 31.7% HCl w/w. The tank receives HCl from the HCl Absorbers and Gypsum precipitators and delivers it to the HCl Injection system. The annual throughput is approximately 8.8 MMgal of HCl. The tank is completely enclosed to minimize emissions.

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 Rules 204 and 1303]

2. The owner/operator shall inspect the system for aqueous HCl leaks weekly. A leak shall be defined as more than one drop per minute of liquid capable of turning a wetted piece of pH test paper to a color indicating a pH of 1 or less. All leak inspections shall be recorded and all leaks shall be repaired within one week of discovery. [District Rules 1302 and 1320]

3. The owner/operator shall maintain a current, on-site (at a central location if necessary) operations log for this equipment for five (5) years, which shall be provided to District, State or Federal personnel upon request. This log shall include, as a minimum, the results of all tests, inspections (including the weekly HCl leak inspections discussed in Condition #2), repairs, and maintenance actions, as occurring.

Fee Schedule: 5 (b)

Rating: 17500 gallons

SIC: 1479

SCC: 30101198

Location/UTM(Km): 552E/3846N

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
Air Pollution Control Officer

[District Rule 1302]

4.This facility shall use aqueous HCl with a maximum HCl content of 35% by weight. Facility-wide HCl usage shall not exceed 2,830 tons/year.

[District Rule 1201(S) - Major Source Threshold]

5.Emissions from the entire facility shall not exceed the following limits:

Emissions from the entire facility shall not exceed the following limits:

- a. Oxides of Nitrogen (NO_x): 24.9 tons per consecutive twelve month period, measured as NO₂;
- b. Oxides of Sulfur (SO_x): 24.9 tons per consecutive twelve month period;
- c. Volatile Organic Compounds (VOC): 24.9 tons per consecutive twelve month period;
- d. Carbon Monoxide (CO): 95 tons per consecutive twelve month period;
- e. Particulate Matter 10 microns and less (PM₁₀): 14.9 tons per consecutive twelve month period;
- f. Any single Hazardous Air Pollutant (HAP): 9.9 tons per consecutive twelve month period; and
- g. All HAPs combined: 24.9 tons per consecutive twelve month period.

Compliance shall be demonstrated to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEI) or other equivalent and District approved method.

[District Rules 1302 and 1320]

6.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]