



**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**

C015247

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:**

SCRUBBER, HCL PLS (PREGNANT LEACH SOLUTION) consisting of: Sly Inc water scrubber Model 18-72 Packed Tower, Equipment number 09-GS-01, 700 CFM

**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 1302]
2. The scrubbant pH shall be maintained above 1.0 and shall be monitored daily either with pH strips or with a properly functioning and calibrated pH meter. [District Rules 1302 and 1303]
3. This wet scrubber shall be fully functional and operating whenever the Gypsum Process under District Permit B015245, the HCL Injection and Recovery System under District permit B013318 and/or the PLS Clarifier under District permit B013319 are operating. [District Rules 1302, 1303 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1479

SCC: 30111301

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.

5E Boron Americas, LLC  
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By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

4. Aggregate emission from scrubbers C015246, C015247 and C015326 shall not exceed 1 lb/hour.

Emissions were verified by an initial source test to be conducted December 16-18, 2025. The source test was conducted in accordance with the District Compliance Test Procedural Manual and while the Gypsum Process under District Permit B015245, the HCL Injection and Recovery System under District permit B013319 and/or the PLS Clarifier under District permit B013319 are operating at a minimum of 90% of maximum capacity and vented to this scrubber.

[District Rules 1201 and 1520]

5. The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of five (5) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

- a. Daily scrubbant pH readings.
- b. Dates and results of all monthly pH meter calibrations as required by Condition #2; and
- c. Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction.

[District Rules 401 and 1302]

6. In the event of a malfunction of any emissions related part of this scrubber, the Gypsum Process under District Permit B015245, the HCL Injection and Recovery System under District permit B013319 and/or the PLS Clarifier under District permit B013319 must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.

[District Rules 430 and 1302]

7. The owner/operator must contact the MDAQMD PRIOR to adding any new equipment or modifying any existing equipment which requires submission of a MDAQMD permit application and may require a Health Risk Assessment.

[District Rule 1320]

8. Emissions from the entire facility shall be less than the following limits:

- a. Oxides of Nitrogen (NO<sub>x</sub>): 20 tons per consecutive twelve month period, measured as NO<sub>2</sub>;
- b. Oxides of Sulfur (SO<sub>x</sub>): 80 tons per consecutive twelve month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve month period;
- e. Particulate Matter 10 microns and less (PM<sub>10</sub>): 12 tons per consecutive twelve month period;
- f. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve month period; and
- g. All HAPs combined: 20 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]

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