



## 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

B015248

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:

BORIC ACID PROCESS LINE consisting of: A series of tanks utilizing heat and HCl to precipitate boric acid.

#### 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. This equipment shall not be operated unless it is vented to the properly functioning HCL loadout scrubber under valid district permit C015247. [District Rule 1320]
3. This equipment may not be operated within 500 meters (1640 feet) of any receptor. Such operation will require the submittal of an application for a revised permit to operate and may require a Health Risk Assessment. [District Rule 1320]

Fee Schedule: 5 (b)

Rating: 50000 gallons

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  
9329 Mariposa Rd. Suite # 210  
Hesperia, CA 92344

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

4.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]

5.Pilot plant equipment permitted under B015240, B015241, B015242, B015243, B015244, B015248, B015245 and B015249 shall not be operated with equipment under permits B013333, B013334, B013335, B013336, B013337, B013338, B013344, B013345, B013346, B013347, B014763, B013320, B013321, B013323, B013325, B013326, B013327, B013328, B013329, B013330, B013331 and T013324 but may be operated with B013319 and B013318.  
[District Rules 1303 and 1320]

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

- a. Oxides of Nitrogen (NOx): 24 tons per consecutive twelve month period, measured as NO<sub>2</sub>;
- b. Oxides of Sulfur (SO<sub>x</sub>): 24 tons per consecutive twelve month period;
- c. Volatile Organic Compounds (VOC): 24 tons per consecutive twelve month period;
- d. Carbon Monoxide (CO): 95 tons per consecutive twelve month period;
- e. Hydrogen Sulfide (H<sub>2</sub>S): 9.5 tons per consecutive twelve month period;
- f. Lead (Pb): 0.5 tons per consecutive twelve month period;
- g. Particulate Matter 10 microns and less (PM<sub>10</sub>): 14.5 tons per consecutive twelve month period;
- h. Any single Hazardous Air Pollutant (HAP): 9.5 tons per consecutive twelve month period; and
- i. All HAPs combined: 24 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]

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), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]