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

C000516

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: DECEMBER 2026

OWNER OF OPERATOR (Co.#3254)

5E SVM Operations, LLC
13200 Main Street
Trona, CA 93562

EQUIPMENT LOCATION (Fac.#2)

SVM - Trona Plant
13200 Main Street
Trona, CA 93562

Description:
SCRUBBER, BORIC ACID consisting of: Ducon, Multivane, size 58, 56" dia. x 15' h, with a 75 hp AlphaAir/International Industrial ID fan. Air flow is 12,000 cfm @ 1,140 rpm, 14.5" WC, operating at an inlet temperature of approximately 170-220 F.

CONDITIONS:

1. This scrubber shall be functioning whenever the Boric Acid Process covered by District permit B000480 is operating.
[District Rule 204]

2. The owner/operator (o/o) shall operate this control equipment in strict accord with the manufacturer's specification and/or sound engineering principles.
[District Rule 204]

3. The owner/operator shall conduct periodic compliance tests relative to District Rules 404 and 405, and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall also be conducted for NOx, SOx and VOC. Initial testing shall be conducted within 180 days after the Boric Acid Production increase modifications are complete. Initial test results shall be submitted to the District no later than 90 days after test completion. Thereafter, testing shall be performed at least once every thirty-six (36) months.

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 1474	SCC: 30504099	Location/UTM(Km): 466E/3957N

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 SVM Operations, LLC
P.O. Box 367
Trona, CA 93592-0367

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

4. The combined emissions from this equipment, and the equipment permitted by valid District permits; C001685, C001761, and C001978, shall not emit PM-10 (at a 0.85 fraction of TSP) in excess of 2.62 tons per year. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve-month summary basis.
[District Rules 404, 405, and 1303(B)]

5. Emissions from this device shall not exceed the following maximum amounts. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve month summary basis.
(a) NOx: 1.35 tons/year
(b) SOx: 0.20 tons/year
(c) VOC: 0.15 tons/year
[District Rule 1303(B)]

6. The owner/operator shall conduct a minimum program of inspection and maintenance on this equipment. The owner/operator shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
(a) Daily reading of scrubber pressure drop (date and value);
(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
(c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable;
(d) Date and nature of any repairs, and
(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.
[District Rule 204; 40 CFR 64]

7. The pollutant-specific emissions unit (B000480), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 5 to 11 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:
(a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 6.
[40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.
[40 CFR 64.7(a)]