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

C000556

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: JULY 2027

OWNER OF OPERATOR (Co.#3254)

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

EQUIPMENT LOCATION (Fac.#79)

SVM - Argus Facility
82090 First Street
Trona, CA 93562

Description:
SCRUBBER (CRYSTALLIZER NO. 2) consisting of: Monohydrate Crystallizer No. 2, Emtrol Venturi Scrubber, Type W20 specification No. SX-005, Size 24/57W20, equipped with an adjustable, ventrical venturi throat with a 24" inlet and outlet, a 57" dia cyclonic separator, straightening vanes, mist eliminator. Operating pressure drop of up to 21" WC. Water flow rate ranging from 150 gpm to 280 gpm. Water pumps common to Soda Ash Trains 1 & 3. ID fan with a 100 bhp motor and an air flow of 3400 DSCFM.

CONDITIONS:

1. All equipment shall be operated and maintained in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

2. The Argus No. 2 monohydrate crystallizer and bucket elevator operating under District Permit B000538 shall not be operated unless the emissions are vented to this scrubber.
[District Rule 204]

3. The scrubber shall be equipped with a water flow meter and pressure gauge to allow for the measurements of the scrubber liquor flow rate and pressure to the scrubber.

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 1474	SCC: 30510599	Location/UTM(Km): 465E/3958N

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

[District Rule 204]

4. The scrubber shall be equipped with a pressure gauge to allow for the measurements of the pressure drop across the scrubber.
[District Rule 204]

5. 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 exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
(c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable (date and results);
(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 9.
[District Rule 204; 40 CFR 64]

6. 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 be conducted at least once every thirty-six (36) months starting in 2001.

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)]

7. A compliance test for PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput) shall be performed within 90 days after the installation and initial operation of the Soda Ash Line No. 2 bucket elevator that demonstrates no net increase of PM10 emissions relative to historical emissions from this equipment while the bucket elevator is in operation.
[District Rules 404, 405, and 1303(B)]

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions unit (B000538), 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 1 to 12 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. 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;
(c) Report/Document the excursion in the log book required under condition 5.
[40 CFR 64.7(d)]

10. The owner/operator 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 5.
[40 CFR 64.7(a)]