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

C000240

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: AUGUST 2027

OWNER OF OPERATOR (Co.#3254)

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

EQUIPMENT LOCATION (Fac.#7)

SVM - West End Plant
80201 Trona Road
Trona, CA 93562

Description:
VENTURI SCRUBBER (SODIUM SULFATE TRAIN 1) consisting of: Sulfate "B" train No. 1 process:

EQUIPMENT

Capacity	Equipment Description
0	Venturi scrubber
50	Exhaust fan motor
10	Scrubber water recirculation pump
0	Cyclone
1	Cyclone discharge star valve
5	Cyclone discharge screw

CONDITIONS:

1. This scrubber shall be operated concurrently with Sulfate Train No. 1 under valid District permit B000221. [District Rule 204]

Fee Schedule: 7 (h) | Rating: 1 device | SIC: 1474 | SCC: 30590003 | Location/UTM(Km): 464E/3951N

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

2. The owner/operator shall comply with all District rules and regulations including, but not limited to, malfunction/breakdown notifications.
[District Rule 204]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o 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 8;
(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 7.
[District Rule 204; 40 CFR 64]

4. The owner/operator shall conduct compliance tests relative to District Rules 404 and 405 and these conditions. Testing must be conducted at least once every thirty-six (36) months starting in 2001.
Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification 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/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405 and 1303(A) - BACT]

5. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]

6. This scrubber shall discharge to the atmosphere no more than the following emissions (Compliance with this condition shall be determined using the periodic compliance tests and production records):
(a) TSP - 2.06 lb/hr.
(b) PM10 - 15,318 pounds per year (assuming PM10 fraction of 0.85).
(c) NOx - 0.021 pounds per ton of throughput.
(d) NOx - 2940 pounds per year.
(e) SOx - 0.0022 pounds per ton of throughput.
(f) SOx - 308 pounds per year.
[District Rule 1303]

7. The pollutant-specific emissions unit (B000221), 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 3 to 15 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 3.
[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 3.
[40 CFR 64.7(a)]