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

C002487

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:
ELECTROSTATIC PRECIPITATOR (ESP), PYROBOR FURNACE consisting of: An Environmental Elements Corporation ESP equipped with 48 collecting plates of 19,710 sq ft area with 3 fields, and an operating flow of 46,000 ACFM at 450 degrees Fahrenheit and 27.5 inches mercury.

CONDITIONS:

1. The owner/operator shall operate and maintain this ESP in strict accord with the recommendations of the manufacturer/supplier and sound engineering principles.
[District Rule 204]

2. Theowner/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District rules. This program shall include:
(a) Monthly opacity readings
(b) Regular maintenance inspections, with a frequency determined by experience with this equipment, and the frequency set by condition 3.
[District Rule 204]

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

3. The owner/operator shall maintain an operations/maintenance log(s) for this equipment on site for at least five (5) years, and shall make the log available to District, State or Federal personnel upon request. This log shall include, at a minimum, the following:
(a) Date and results of opacity readings;
(b) Date and result of maintenance inspections;
(c) Monthly Pyrobor process line production (tons);
(d) Daily secondary voltage and current readings (date and value);
(e) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 9;
(f) Annual inspection of ESP voltage and currents (date and result);
(g) Date and nature of any repairs made;
(h) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 8; and,
(i) Documentation of all compliance/source testing reports, as applicable, as referenced in condition 5.
[District Rule 204; 40 CFR 64]

4. This ESP shall operate concurrently with the Pyrobor Furnaces Nos. 2 and 3 under valid District permit numbers B000449 and B000448.
[District Rule 204]

5. The owner/operator shall conduct compliance tests at least once every twelve (12) months relative to District Rules 404 and 405, and for PM10 at a 0.85 fraction of TSP (lb/ton of throughput).

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(B)]

6. 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 18.5 tons per year combined (verified through source tests and Pyrobor process line production records on a rolling twelve month summary basis): C000489, C000509, C000513, C002487.
[District Rule 1303(B)]

7. The owner/operator must surrender to the District sufficient Emission Reduction Credits to offset the emissions from this equipment before the operation at the above levels. In accordance with Regulation XIII the operator shall obtain 15,193 pounds of PM10, 1413 pounds of VOC, and 44 pounds of SOx offsets.
[District Rule 1303(B)]

8. The pollutant-specific emissions units (B000448 and B000449), for which this ESP 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 secondary power less than 13.75 kW; and/or, the presence of visible emissions, as demonstrated by condition 9. 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)]

9. The owner/operator must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse 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 baghouse 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)]