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

B000538

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:
SODA ASH PRODUCTION LINE NO. 2 consisting of: Equipment common to all three soda ash production lines is listed on line No. 1 (B000537). For rating purposes, horsepower is converted assuming 2550 Btu/hr per horsepower-hour.

EQUIPMENT

Capacity	Equipment Description
0	Two parallel Pre-Dryer Shells, 13.3' D by 100' L (Stansteel, housing the belt conveyors)
0.077	Bicarbonate Filter, 30 hp
0.02	Two Filter Cake Belt Conveyors, 5 hp each
0.27	Two Blender Feed Screw Conveyors, 40 hp each
0.27	Two NaHCO3 Blenders, 4' D by 25' L, 40 hp each
0.27	Two Drag Chain Conveyors, 40 hp each
0.15	Two Screw Conveyors, 30 hp each
0.15	Two Dryer Feed Screw Conveyors, 30 hp each
0	Two parallel Bi Carb Dryers, 12' D by 100' L, steam heated, original fabrication by Stansteel
0.27	Two Bicarbonate Dryer Discharge Screw Conveyors, 40 hp each
1.27	Two Dryer Drives, 250 hp each
0.01	Two Emergency Drives, 3 hp each

Fee Schedule: 8 (e) Rating: 52955000 Btu SIC: 1474 SCC: 30102108 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

Capacity	Equipment Description
0.057	Drag Chain Conveyor, 20 hp
0	Product Cyclone, 6' D x 17' H with Air Lock
0.077	Bleacher Feed Screw Conveyor, 30 hp
46.5	Bleacher, 13.5' D by 100' L, Stansteel, natural gas, 46.5 MMBtu/hr
0.38	Two Bleacher Drives, 75 hp each
0.03	Two Emergency Drives, 5.0 hp each
0.1	Combustion Air Blower, 40 hp
0.12	Bleacher Discharge, 50 hp
0.1	Drag Chain Conveyor, 40 hp
0	Mono Crystallizer Tank, 16' D by 26' H
0.12	Crystallizer Agitator, 50 hp
0.76	Crystallizer Circulation pump, 300 hp
0.38	Three Slurry Pumps, 50 hp each
0.077	Delumper Pump, 30 hp
0.3	Three Classifier Pumps, 40 hp each
0	Dissolver Tank, 11' D by 15' H
0.05	Conveyor, No. 3 Transfer, 20 hp
0.19	Two Dissolver Pumps (one spare), 75 hp each
0	DSM Screen Filter
0	Two centrifuges
0.034	Centrifuge Feed Belt Conveyor, 15 HP
0.013	Centrifuge Feed Screw, 5 HP
0.013	Centrifuge Feed Screw, 5 HP
0.05	Rotary Drum Discharge, 20 HP
0.013	Centrifuge Distribution Screw, 5 HP
0.013	Centrifuge Distribution Screw, 5 HP
0.049	Centrifuge Discharge Screw, 15 HP
0.04	Intermediate Screw, 15 HP
0	Centrifuge
0	Centrifuge
0.06	Monohydrate Dryer Feed Screw Conveyor, 25 hp
0	Monohydrate Dryer, Stansteel, 10' dia x 100' L, steam heated
0.63	Monohydrate Drive, 250 hp
0.08	Monohydrate Screw Conveyor, 30 hp
0.1	Monohydrate Bucket Elevator, 40 hp
0.02	Belt Conveyor, 10 hp
0.1	Two Feed Screw Conveyors, 20 hp each
0.06	Bucket Elevator, 25 hp

CONDITIONS:

1. This soda ash production line (No. 2) shall not be operated unless vented to all the following functioning pollution control devices, as applicable:
(a) Bleacher feed baghouse (District permit C000539).
(b) Bleacher exhaust ESP while the bleacher is fired (District permit C000544), common to lines 1 and 3.
(c) Monohydrate crystallizer scrubber (District permit C000556).
(d) Monohydrate dryer scrubber (District permit C000545).
(e) Screen plant baghouse; common to lines 1 and 3 (District permit C000532).
[District Rule 204]

2. The owner/operator shall operate and maintain this equipment in strict accord to the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

3. Bi-Carb dryers shall be operated with sufficient negative pressure to eliminate dusting.
[District Rule 204]

4. The owner / operator shall maintain an operations/maintenance log 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) Monthly bleacher production (in tons);
(b) Inspections, repairs and maintenance.
[District Rule 204]