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

B000537

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. 1 consisting of: For rating purposes, horsepower is converted assuming 2550 Btu/hr per horsepower-hour.

EQUIPMENT

Capacity	Equipment Description
0	2 parallel Pre-Dryer Shells, 13.3' D x 100' L (Stansteel, housing the belt conveyors)
0.13	Two Bicarbonate Filters, 25 hp each
0.023	Two Filter Cake Belt Conveyors, 5 hp ea
0.2	Two Blender Feed Screw Conveyors, 40 hp each
0.2	Two NaHCO3 Blenders, 4' D x 25' L, 40 hp each
0.2	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 x 100' L, Stansteel, steam heated
1.28	Two Dryer Drives, 250 hp each
0.038	Two Emergency Drives, 7.5 hp each
0.03	Two Bicarbonate Dryer Discharge Screw Conveyors, 40 hp each

Fee Schedule: 8 (e) Rating: 53920000 Btu SIC: 1474 SCC: 30102113 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
0.2	Two Bucket Elevators, 40 hp each
0.05	Drag Chain Conveyor, 20 hp
0	Product Cyclone, 6' D x 17' H and Air Lock
0.08	Bleacher Feed Screw Conveyor, 30 hp
12.65	Bleacher, 13.5' D x 100' L, Stainless steel, natural gas, 46.5 MMBtu/hr
0.4	Two Bleacher Drives, 75 hp each
0.007	Two Emergency drives, 1.5 hp each
0.04	Combustion Air Blower, 15 hp
0.13	Bleacher Discharge Screw, 50 hp
0.101	Drag Chain Conveyor, 40 hp
0	Mono Crystallizer Tank, 16' D by 26' H
0.13	Crystallizer Agitator, 50 hp
0.77	Crystallizer Circulation pump, 300 hp
0.38	Three Slurry Pumps, 50 hp each
0.076	Delumper Pump, 30 hp
0.31	Three Classifier Pumps, 40 hp each
0	Dissolver Tank, 11' D by 15' H
0.38	Two Dissolver Pumps (one spare), 75 hp each
0	DSM Screen Filter
0	Two Centrifuges
0.07	Monohydrate Dryer Feed Screw Conveyor, 25 hp
0	Monohydrate Dryer; Stansteel, 10' D x 100' L, steam heated
0.64	Monohydrate Drive, 250 hp
0.08	Monohydrate Screw Conveyor, 30 hp
0.1	Monohydrate Bucket Elevator, 40 hp
0.03	Belt Conveyor, 10 hp
0.1	Two Feed Screw Conveyors, 20 hp each
0.06	Bucket Elevator, 25 hp
0	NOTE: The following 6 items are also common to soda ash lines 2 and 3.
0.15	Six Rotex Feeders, 10 hp each
0.15	Fan, Recycle - ESP exhaust to Monohydrate Dryer, 60 hp
0.08	Six Rotex Shaker Screens in Shaker House, 5 hp each
0.15	Hammer Mill, 60 hp
0.008	Conveyor, Hammer Mill Belt, 3.0 hp
0.15	Two Conveyors, E & W Loadout Belt, 30 hp each

CONDITIONS:

1. This soda ash production line (No. 1) shall not be operated unless vented to all the following functioning pollution control devices, as applicable:
(a) Bleacher feed baghouse (District permit C000533).
(b) Bleacher exhaust ESP while the bleacher is fired (District permit C000544), common to lines 2 and 3.
(c) Monohydrate crystallizer scrubber (District permit C000553).
(d) Monohydrate dryer scrubber (District permit C000527).
(e) Screen plant baghouse; common to lines 2 and 3 (District permit C000532).
(f) Monohydrate Elev. No. 1 baghouse (District permit C003533).
[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]