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

B000848

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: FEBRUARY 2027

OWNER OF OPERATOR (Co.#102)

Elementis Specialties, Inc.
31763 Mountain View Road
Newberry Springs, CA 92365

EQUIPMENT LOCATION (Fac.#221)

Elementis Specialties - Mt. View Rd
31763 Mountain View Road
Newberry Springs, CA 92365

Description:
CRUSHING AND SCREENING consisting of: A Williams Mill, Smico Screen and related handling equipment. This system handles 1" crude hectorite from the ore yard, and feeds the 50 Ton Silo East, the Wet Room and the Fines Sacking Station. Facility elevation is 1836 feet above sea level.

EQUIPMENT

Capacity	Equipment Description
0	Feed Hopper FH2111 (fed by loader)
1.5	Belt Conveyor CN2116 (1.5 hp)
2	Feed Bucket Elevator BE2121 (2 hp)
25	Williams Mill MI2122 (25 hp)
7.5	Smico Shaker Screen SN18021 (7.5 hp)
5	Recycle Bucket Elevator BE2114 (5 hp)
2	Belt Conveyor CN21106 (2 hp)
5	3/16 Bucket Elevator BE2117 (5 hp)
5	3/16 Silo Fill Screw Conveyor CN2131 (5 hp)
0	Tansul Silo
1.5	Tansul Valve FH24163 (1.5 hp)

Fee Schedule: 1 (b) Rating: 75.5 bhp SIC: 1499 SCC: 30504031 Location/UTM(Km): 529E/3854N

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.

Elementis Specialties, Inc.
31763 Mountain View Road
Newberry Springs, CA 92365

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

Capacity	Equipment Description
3	Tansul Silo Conveyor CN24150 (3 hp)
0	Benagel Silo
1.5	Benagel Valve FH24162 (1.5 hp)
2	Benagel Silo Conveyor CN24164 (2 hp)
5	Wet Room Feed Elevator BE24161 (5 hp)
3	Fines Bucket Elevator BE2115 (3 hp)
0	Fines Silo SI2125
0	Fines Silo Gate Valve AL21102
0	Fines Sacking Station (2200# Super Sack)
0	Wet Room Batch Weigh Hopper
1.5	Wet Room Short Conveyor CN2132 (1.5 hp)
5	Wet Room Long Conveyor CN2131 (5 hp)
0	Tanks D3 and D4 (feeding the Drum Dry Sceen)
0	Tanks S1, D1, and D2 (feeding the Spray Dry Screen)

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2. The o/o shall ensure that the materials used in the equipment contain sufficient natural and/or added moisture to preclude violations of District rules 401, 402 and 403. These rules pertain to opacity, dust blowing off of the property and nuisance. The o/o shall maintain sufficient water and equipment for its application in operable condition and on-site, and use it as necessary on material piles, haul roads, and in the plant to prevent violations of the above rules.
[District Rule 1302]

3. The owner/operator will periodically monitor opacity from fugitive emission points according to the following methodology:
a) The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
b) If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
c) If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
[40 CFR 60, Subpart OOO]

4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits an opacity during any one hour (ten 6- minute averages) greater than the following;
a) Ten (10) percent opacity from all transfer points, screens and fugitive emission points (40 CFR 60.672(b)), and/or
b.) Fifteen (15) percent opacity from all crushers (40 CFR 60.672(c)).
[40 CFR 60, Subpart OOO]

5. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants. In the event of conflict between Permit conditions and the requirements of 40 CFR 60 Subpart OOO, the more stringent requirements shall govern.
[District Rule 204]

6. A facility log shall be maintained on-site for at least five (5) years and made available to District personnel upon request.The log shall be kept current, on-site for a minimum of 2 years and provided to District, State or Federal personnel on request. This log shall contain, at a minimum:
a. Tons of product produced per day;
b. Tons of product produced per month, and
c. Tons of product produced per year.
[District Rules 204 & 1303]

7. The fines sacking station shall not be operated without the bag house with valid District Permit C004636 in proper operation.
[District Rules 204 & 1303]

8. This facility shall emit less than the following on a calendar year basis;
Oxides of Nitrogen (NOx) - 24.9 tons,
Volatile Organic Compound (VOC) - 24.9 tons,
Particulate Matter less than 10 microns (PM10) - 14.9 tons, and
Hazardous Air Pollutants (HAP) - 9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAPs. Compliance shall be demonstrated annually to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEIR) or other District approved equivalent method. The report shall be submitted to the District upon request.
[District Rules 204 and 1303]

9. This facility is a Synthetic Minor 80 source (SM-80), therefore, it is a federally reportable facility; all applicable information shall be reported by the MDAQMD to EPA through EPA's ICIS (Integrated Compliance Information System). Information, documents, and records related to this reporting shall be provided to the MDAQMD upon request.
[District Rule 204]

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]