



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

C011579

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.#982)

Elementis Specialties - E Hector Rd
27575 E Hector Road
Newberry Springs, CA 92365

Description:

SCREEN PLANT PROCESS DUST COLLECTOR consisting of: Mikro Pul model 168S-10-20-TR pulse-jet style baghouse with 168 cloth filter bags, each bag measuring 4.5 inches in diameter by 120 inches in length. Airflow is provided by a 40 hp Cincinnati Fan Co. induced draft fan producing 11,800 ACFM, yielding an air to cloth ratio of 5.97:1. Manufacturer's designed outlet grain loading is 0.016 gr/dscf. Normal differential pressure across the bags is 1 to 8 inches water column as measured by integral manometer. Equipment Elevation is 554 meters above sea level.

EQUIPMENT

Capacity	Equipment Description
40	Baghouse, Screen Plant Process Dust Collector
1	Airlock

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.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1499

SCC: 30502006

Location/UTM(Km):
551E/3845N

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.

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By: **COPY**
Brad Poiriez
Executive Director

[District Rule 204]

2. This baghouse shall operate concurrently with the equipment described as the Screening System under valid District permit B002076.
[District Rule 204]

3. This equipment and its associated Screening Plant (B002076) shall not be operated for more than 14.5 hours in any one day, defined as any sequential 24 hour period, and not more than 3,800 hours in any one calendar year.
[District Rule 204]

4. 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. Weekly reading of baghouse pressure drop, date and value;
- b. Monthly baghouse stack observation date and result, using EPA Method 22 (and EPA method 9 if Method 22 detects visible emissions. In lieu of Method 9, o/o may cease operations until deficiencies contributing to opacity are corrected.);
- c. Annual bag and bag suspension system inspection date and results;
- d. Date of bag replacements; and,
- e. Date and nature of any system repairs.
- f. Date and amount of each liquid fuel delivery, including supplier's sulfur analysis.

[District Rules 204]

5. This baghouse shall not discharge more than 1.62 pounds per hour, and no more than 6150 Lbs per year of PM10 at a maximum concentration of 0.016 grains/dscf at the operating conditions given in the above description. Compliance verification to be achieved by record keeping using flow rate, hours of operation, and default emission factor of 0.01 gr/dscf. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[District Rule 404]

6. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than 7 percent opacity.
[District Rules 204]

7. The integral baghouse shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 204]

8. The o/o shall maintain on-site a minimum inventory of replacement bags for the integral dust collector that assures compliance with these conditions and District Rules and Regulations.
[District Rule 204]

9. The facility-wide emissions must be less than the following limitations in each calendar year:

- a. 80 tons per year of Carbon Monoxide (CO)
- b. 20 tons per year of Oxides of Nitrogen (NOx)
- c. 20 tons per year of Volatile Organic Compounds (VOC)
- d. 15 tons per year of Particulate Matter of 10 microns or less (PM10) [More stringent limit is offset based]
- e. 20 tons per year of Oxides of Sulfur (SOx)
- f. 8 tons per year of any single Hazardous Air Pollutant (HAP)
- g. 20 tons per year of any combination of HAP

Compliance shall be demonstrated 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.

Note: These emission limits keeps this facility BELOW SM-80 thresholds and precludes the requirements for Federal reportability.
[District Rules 1301 and 1320]

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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]