



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

B015661

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

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:

AGGREGATE PROCESSING, PORTABLE SCREENING AND CRUSHING consisting of: Portable aggregate crushing and screening plant with a maximum feed rate of 200 tons/hour.

EQUIPMENT

Capacity	Equipment Description
30	Vibrating Grizzly Feeder - Superior Industries, Inc., Model #F4220VGF, Serial # 2341565 (0 bhp)
150	Jaw Crusher - Superior Industries, Inc., Model # F30X42JCB, Serial # 2341564 (150 hp)
20	Discharge Conveyor - Superior Industries, Inc. (20 hp)
245	Cone Crusher - Terex Materials Processing Systems, Model # CRC-1150S, Serial # TRX1150SHOKRG1941 (245 hp)
40	Screen - Terex Materials Processing Systems, Model # TSV6203-32, Serial # TRXV6203HDURF4248 (40 hp)
60	Four (4) Stackable Conveyors - Superior Industries, Inc., Model 36X60STK, Serial Numbers 2713511, 2713510, 2713509, 2713508 (15 hp each)
80	Two (2) Radial Conveyors - Superior Industries, Inc., Model # 36X100PRSC, Serial Numbers 2290486 and 2238986 (40 hp each)

Fee Schedule: 1 (c)

Rating: 625 bhp

SIC: 1499

SCC: 30502004

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.

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

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance 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 204]

2. The owner/operator shall limit the annual production (sum of all products) from this equipment to no more than 300,000 tons per calendar year. Additionally, the owner/operator shall limit the total daily aggregate processed by this equipment to no more than 2,000 tons per day.
[District Rule 204]

3. This equipment shall not be operated for more than 10 hours in any one day, defined as any sequential 24 hour period, nor more than 1,500 hours in any one calendar year.
[District Rule 204]

4. Electrical power for this facility shall only be provided by grid power or by an engine (or engines) with a valid District permit.
[District Rule 204]

5. This equipment must be equipped with a fully operational water spray system as necessary to observe the opacity limits specified in this permit. The equipment shall not be operated unless the water spray system is operating properly.
[District Rule 204; 40 CFR 60 Subpart OOO Section 60.672]

6. 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:
a. Twelve (12) percent opacity from the crusher;
b. Seven (7) percent opacity from all screen, transfer points and fugitive emission points.
[40 CFR 60 Subpart OOO Section 60.672]

7. Other than the emission points specified in Condition 6, this equipment shall not discharge into the atmosphere an exhaust stream that exhibits an opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
[District Rule 401(b)(1)]

8. A pressure gauge (psi) shall be installed and maintained in the high pressure water spray system. The pressure gauge shall be of appropriate scale and calibrated according to manufacturer specifications.
[District Rule 204]

9. High pressure water spray system shall be installed and operated as necessary at the locations (including, but not limited to, the receiving feeders, conveyor points of charge and discharge, crushers and screens) specified within the application for this permit in order to control fugitive emissions. High pressure water spray system shall be defined as a water spray system which can be readily controlled, has an operating pressure of at least 150 psig, and produces an atomized spray to suppress airborne dust.

Through the use of the high-pressure water sprays, a minimum moisture content of one and one-half percent (1.5%) shall be maintained throughout the plant. The owner/operator must perform monthly moisture content testing at each operating screen and each storage pile produced. If a screen is not in use at the time of testing, a notation shall be made in the operational log. No additional water may be added to the samples prior to collection. This testing shall be conducted in accordance with ASTM C566-19.

The frequency of this monthly moisture testing may be reduced to quarterly following three consecutive monthly tests, demonstrating a moisture content of 1.5% or greater at all required sampling locations. In the event that any of the quarterly tests show moisture content of less than 1.5%, the owner/operator shall revert back to monthly moisture content testing until three consecutive monthly tests demonstrate a moisture content of 1.5% or greater at all required sampling locations and re-substantiate the quarterly testing frequency. District inspectors may require additional samples be taken and tested during inspections if dusting is noticed.

[District Rule 204]

10. The owner/operator must perform monthly inspections of all wet suppression systems to verify that high pressure water, at a minimum pressure of 150 psig at the manifold, is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections. The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the facility log.

[District Rule 204]

11. The owner/operator must conduct an initial compliance test per 40 CFR 60, Subpart OOO requirements, including opacity (USEPA Method 9 or equivalent) testing as applicable for each fugitive emission point (crusher, screen, and transfer point or other) associated with this equipment. The initial compliance test must be conducted within 60 days of achieving full production rate but in no case later than 180 days following initial startup. Compliance test shall be carried out in accordance with the test methods defined in 40 CFR 60.11, 40 CFR 60, Subpart OOO, Section 60.675, and the District Compliance Test Procedural Manual.

[40 CFR 60.672]

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

12. The o/o will periodically monitor opacity from fugitive emission points according to the following methodology:

- (i) 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.
- (ii) 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.
- (iii) 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.

[District Rule 204; 40 CFR 60 Subpart OOO Section 60.672]

13. The o/o shall maintain a current, on-site operations log for a minimum of 2 years and shall provide this log to District personnel upon request. The log shall include the following information at a minimum:

- a. Monthly inspections of water spray system, including dates and any corrective actions, as required by Condition 10;
- b. Periodic moisture content testing as required by Condition 9, including indication of the operational status of each screen;
- c. Records of each performance test conducted on this equipment;
- d. Date and result of all required US EPA Method 22 VE observations (and US EPA Method 9 VE, as required), and any corrective actions taken;
- e. Daily hours of operation;
- f. Maximum aggregate production rate in tons/hour achieved on that date;
- g. Amount of aggregate produced on that day in tons; and
- h. Rolling 12 month sum of aggregate produced in tons/year.

[District Rule 204; 40 CFR 60.676]

14. Roadways, work areas, stock piles and materials processed by equipment shall contain sufficient and/or added moisture to ensure compliance with District rules 401, 402 and 403. Sufficient water and equipment in operable condition shall be maintained on-site and used as necessary to ensure compliance with these rules.

15. This facility shall operate in compliance with the Federal Clean Air Act and specifically those provisions as outlined in the Code of Federal Regulations, Part 60, Chapter I, Title 40, Subpart OOO, which delineates the Standards of Performance for Non-Metallic Mineral

Processing Plants.

16. 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 (NO_x)
- 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 (SO_x)
- 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]

17. 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]