



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

C000659

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: DECEMBER 2025

OWNER OF OPERATOR (Co. #629)

Specialty Minerals, Inc
6565 Meridian Road
Lucerne Valley, CA 92356

EQUIPMENT LOCATION (Fac. #262)

Specialty Minerals, Inc
6565 Meridian Road
Lucerne Valley, CA 92356

Description:

BAGHOUSE - DCL 28 consisting of: a Mikropul Pulse Jet Model 320-8 baghouse, with 320 polyester bags totaling 3016 square feet of filter area, equipped with a 75 hp fan generating 18,600 acfm (for an air to cloth of 6.2 to 1). This unit serves the Drier Sizer System (B000663) and Cage Mill Circuit (B002301). This unit has the following pickup points: CBE17 (discharge hood), CBE18 (discharge hood), CBE19 (feed), CBE20 (feed), CBE22 (feed), CBE24 (discharge hood), CBE25 (feed), CBE26 (feed), CBE27 (feed), CLF01, ELV18 (head and tail), ELV28 (head and tail), ELV32 (head), CBE 528 (feed), CBE 529 (feed), and SCT07.

CONDITIONS:

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.

[District Rule 1302(B)(1)(a)]

2. This baghouse shall operate concurrently with the Drier Sizer System (B000663) and Cage Mill Circuit (B002301).

[District Rule 1302(B)(1)(a)]

3. 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:

- Daily baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary), as outlined in condition 11;
- Quarterly bag and bag suspension system inspection date and results;
- Daily reading of baghouse pressure drop, date and value;

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1422

SCC: 30502006

Location/UTM(Km): 508E/3803N

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.

Specialty Minerals, Inc
P.O. Box 558
Lucerne Valley, CA 92356

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

- d. Date of bag replacements;
 - e. Date of any excursion, a description of corrective action, and proof of reporting as required by condition 10; and,
 - f. Documentation of all compliance/source testing reports, as applicable, as referenced in Condition 8.
- [District Rule 1302(B)(1)(a)]

4.This equipment shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

5.This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity (40 CFR 60.672(a)(2)).

6.This baghouse shall discharge no more than 1.59 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT).

[District Rule 404; 40 CFR 60.672(a) - more stringent grain loading is BACT based (District Rule 1303(A))]

7.This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). In operation, the pressure differential shall be maintained within 2 and 6 inches water column.

[District Rule 1302(B)(1)(a)]

8.The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.

[District Rule 1302(B)(1)(a)]

9. The o/o shall conduct a periodic compliance test for PM10 (USEPA Method 5 or equivalent). Testing shall be performed at a minimum once each 60 months starting in 2010. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source 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/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

10.The pollutant-specific emissions unit (B000663), whose emissions are controlled by this baghouse, is subject to the requirements of Compliance Assurance Monitoring (CAM) under 40 CFR 64. As such, this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 2 to 6 inches of water column and/or the presence of visible emissions, as demonstrated by condition 11. Any excursion of the CAM Plan requires the owner/operator to do the following:

- a. Inspect the affected equipment,
- b. Initiate a corrective action, within 24 hours; and,
- c. Report/Document the excursion in the log book, required under condition 3, as a deviation (Title V Monitoring), breakdown (Rule 430), as applicable.

[40 CFR 64.7(d)]

11.The owner/operator must conduct a daily 6-minute visible emissions inspection using EPQ Method 22 (40 CFR 60, appendix A-7). The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the log required under condition 3.

[40 CFR 60.672(a) and 40 CFR 64.7(a)]

12.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]