



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

B002468

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: AUGUST 2026

OWNER OF OPERATOR (Co.#14)

Calmat dba Vulcan Materials Company
6851 E. Avenue T
Little Rock, CA 92343

EQUIPMENT LOCATION (Fac.#169)

Calmat - 20181 Nat'l Trails
20181 National Trails Highway
Oro Grande, CA 92368

Description:

ASPHALTIC CONCRETE BATCH PLANT consisting of: virgin material, recycled asphalt pavement (RAP), and recycled asphalt shingles (RAS) feed systems:

EQUIPMENT

Capacity	Equipment Description
0	VIRGIN FEED SYSTEM
24	Aggregate Storage Bins, 8 @ 12 ft wide by 10 ft long by 13 ft high (85 tons each and 3 hp belt conveyor feeder)
7.5	Belt conveyor, collecting 24 in wide by 105 ft long
20	Belt conveyor, transfer, 24 in wide by 122 ft long
5	Belt conveyor, dryer feed, 24 in wide by 8 ft long
0	RECYCLED ASPHALT PAVEMENT FEED SYSTEM
7.5	RAP/RAS receiving hopper (and conveyor belt underneath), 12 ton capacity
10	Belt conveyor, Screen feed, 24 in wide by 90 ft long
10	Scalping screen, 4 ft by 8 ft
100	Impact Crusher, 10-10
10	Belt conveyor, return from Impact Crusher, 24 in wide by 80 ft long
3	Surge bin (34 ton capacity) with under belt conveyor: 24 in wide by 8 ft long
15	Belt conveyor, under screen to surge bin, 24 in wide by 190 ft long

Fee Schedule: 8 (e)

Rating: 86400000 Btu

SIC: 2951

SCC: 30500205

Location/UTM(Km):
469E/3810N

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.

Calmat dba Vulcan Materials Company
2400 West Highland Avenue
San Bernardino, CA 91741

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

Capacity	Equipment Description
0	ASPHALT CONCRETE BATCH PLANT
180	Rotary Kiln Dryer (Genco burners Model UF-85 @ 85 millions Btu/h); Drive motor 100 hp, combustion air blowers, 1 @20 hp other @ 60 hp
40	Bucket elevator
20	Vibrating screen, 4 ft wide by 16 ft long
0	Hot aggregate storage bin of 80 ton capacity, which has 4 compartments
0	Hot aggregate weigh hopper, 4 ton capacity
100	Pugmill mixer, 4 ton capacity, drive motor 100 hp
0	Truck loading station, 11 ft wide by 13 long by 11.5 ft high
0	Fee =[(2550 Btu/hp x 552 hp) 85.0 million Btu/h]/1,000,000 or 1.40 85.0 is 86.4 rating

CONDITIONS:

1. The owner/operator (o/o) shall operate all the equipment delineated above in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum of emissions.

[District Rule 204]

2. This equipment shall not be operated unless vented to functioning control devices under valid District permits C002470 and C002471.

[District Rule 1303]

3. The o/o may use recycled asphalt product or recycled asphalt shingles (RAP/RAS) material. The RAP/RAS contributions to the final finished product shall not exceed 940 ton per day.

[District Rule 1303]

4. Materials processed by equipment delineated above shall contain sufficient and/or added moisture to ensure compliance with District rules 401 and 403. Sufficient water and equipment in operable condition shall be maintained on-site and used as necessary to ensure compliance with these rules.

[District Rules 401 and 403]

5. The Genco dryer burner shall only fire California Public Utility regulated natural gas. No other fuel shall be used without the prior written approval of the District.

[District Rules 1303 and 1320]

6. The equipment delineated above shall not be operated at a capacity of greater than 4000 tons per day of finished product nor more than 225 ton per hour {lowered from 400 tph per the source test done on August 19, 2008}. These rates shall be logged. The log shall be maintained current, on-site for a minimum of 2 years and provided to District personnel on request. NOTE: These limitations do not apply during those periods when Compliance Emissions Testing is being conducted under an approved test protocol, see condition 8. During such testing, the plant shall be operated at or within 25 tons per hour of the maximum desired production rate.

[District Rules 1303 and 1320]

7. The o/o shall provide CALTRANS verified hourly and daily production rates from their weight records on request by District personnel.

[District Rules 1303 and 1320]

8. This equipment shall not emit more than 250 pounds per day of NOx or PM10. Compliance with this condition shall be demonstrated once every 36 months through a compliance source test. A compliance test is not required after any calendar year in which this facility operates for 75 days or less.

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
[District Rule 1303]

9. Based on the results of any compliance emissions test, which demonstrates emission rates for NO_x and PM₁₀ of more than 250 pounds per day for each, the District may change the conditions of this permit to reduce the number of hours of operation and/or production rates.
[District Rule 1303]

10. Owner/Operator must ensure that all recycled asphalt shingle (RAS) material is not asbestos containing material (ACM). O/o shall demonstrate that the RAS is not ACM through a District approved on-site or off-site (RAS supplier) asbestos sampling and analysis program. This program shall include both visual observations and periodic sampling/analysis. Analysis of the RAS material shall be according to EPA/600/R-93/116 or other District approved method. Results of the material sampling analysis shall be presented to District, State, or Federal personnel upon request. Off-site analysis shall be made available within seven days of request. Note; O/o submitted District approved off-site sampling program with application.
[District Rule 1320]

11. This equipment shall be operating concurrently with the Blue Smoke Recovery System under valid District permit number C000317.
[District Rule 401]

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]