



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

B014204

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: JULY 2026

OWNER OF OPERATOR (Co.#14)

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

EQUIPMENT LOCATION (Fac.#3199)

Vulcan - MD Various Locations
Various Locations
MDAQMD, CA 92392

Description:

PORTABLE, CRUMB RUBBER MATERIAL BLENDING SYSTEM consisting of: Various Locations Portable ECOPATH Crumb Rubber Material Blending System with integral Natural Gas Fired 1.999 MMBTU/hour oil heater equipped with a Low-NOx burner. This portable plant will initially produce crumb rubber oil bend to be used in the production of hot mix asphalt and operate in conjunction with permitted equipment located at 20181 National Trails Highway, Oro Grande, CA (Facility # 169).

EQUIPMENT

Capacity	Equipment Description
0	Ground Tire Rubber Hopper (6-Ton)
0	Natural Rubber Hopper (2-Ton)
5	6" Diameter Screw Conveyor
3	4" Diameter Screw Conveyor
1	Natural Rubber Feed Conveyor
1	Ground Tire Rubber Feed Conveyor
7.5	Crumb Rubber Auger
0	Ecopath Industries Thermal Oil Heater (1.999 mmbTU/hour), with a Power Flame Model LNIC2-G-20A Low NOx Burner
0	Heat Exchanger
30	Mixing Tank with Auger (450 Gallons), vented to a blue smoke condenser
0	Blue Smoke Condenser

Fee Schedule: 2 (c)

Rating: 1999000 Btu

SIC: 2951

SCC: 4068801

Location/UTM(Km):
473E/3956N

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	Extender Oil Tank (1,500 Gallons)
0	Blue Smoke Condenser
40	2-Compartment (30,000 Gallons) Reaction Tank with Mixing Augers vented to a blue smoke condenser
15	Pump - Asphalt Cement
15	Pump - Hot Oil Circulating
1	Pump - Extender Oil
20	Pump - Interlock
20	Pump - Rubberized Asphalt

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. This equipment shall not be operated unless the reaction and holding tanks are vented to properly functioning integral blue smoke condensers. [District Rules 401, 402, and 1302]

3. The heater can only be fired on pipeline quality natural gas. No other fuel shall be used without the prior written approval of the District. [District Rule 431]

4. This facility is limited to processing no more than 40,000 tons of rubberized hot mix asphalt cement in any consecutive 12 calendar month period. [District Rule 1302, 1320]

5. A daily production and operation log shall be maintained current and on-site for two (2) years, and shall be provided to District personnel upon request. This log shall contain, at a minimum:
a. Daily tonnage of rubberized hot mix asphalt cement processed;
b. Monthly tonnage of rubberized hot mix asphalt cement processed; and
c. Each consecutive 12 calendar month total tonnage of of rubberized hot mix asphalt cement processed. [District Rule 204 and 1302]

6. For the purposes of emissions inventory, when the operations of this permitted equipment is to share or produce the same material for the same project at the location of a stationary District Permitted unit(s), emissions from this portable equipment shall be included with those of the stationary District Permitted unit(s). [District Rule 204]

7. 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 204]

8. The owner/operator shall comply with District Rules 401, 402, and 403, which pertain to Visible Emissions, Nuisance, and Fugitive Dust respectively. [District Rule 204 and 1303]

9. Visible emissions from this system shall not exceed 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; 40 CFR 60.92(a)(2)]

10. 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]

11. The owner/operator shall notify the District at least ten (10) days prior to operation of this equipment at each new location (i.e. project). Notification must be sent electronically to engineering@mdaqmd.ca.gov. The notification must include:

- a. The permit number.
- b. The location/address where the equipment will be operated.
- c. The location/address of the nearest school.
- d. The estimated duration of the operation (including start up and stop dates).
- e. The contact information of the owner/operator of the equipment.

A copy of these notifications shall be maintained on-site or electronically for two (2) years, and shall be provided to District personnel upon request.

[District Rule 204]

12. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[District Rule 1302 and H&S Code 42301.6]

13. 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]