



# 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

B010963

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: 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:

CRUMB RUBBER BLENDING, PORTABLE consisting of: For fee rating purposes horsepower have been converted to Btu using 2550 Btu per horsepower.

#### EQUIPMENT

Capacity	Equipment Description
0	6-ton Storage Bin 8' x 10'
0	Receiving Hopper with Load Cell
0.051	Vane Feeder 16" 2.0 hp
0.1275	Screw Conveyor 9" dia. 5.0 hp
0.765	Mixing Tank 6' x 5' with Pump 30.0 hp
0.051	Extender Oil Tank 2000 gal. 7'2" x 8' dia. with Pump 2.0 hp
49	HDI-500 Low-Nox Oil Heater 4.9 MMBtu
0.19125	Pump 7.5 hp
1.02	Heat Exchanger with Circulation Pump 40.0 hp
0	Reaction Tank 24,000 gallon (District Permit T010964)
0.51	Horizontal Mixing Auger 20.0 hp (District Permit T010964)
0.255	Horizontal Mixing Auger 10.0 hp (District Permit T010964)
0	Callibration Tank 1000 gal.

Fee Schedule: 2 (d)

Rating: 5360000 Btu

SIC: 2951

SCC: 30500206

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
0.3825	Pump 3" 15.0 hp
0.6375	Pump 4" 25.0 hp
0.51	Rubberized Asphalt Pump 20.0 hp
0.051	Extender Pump 2.0 hp

**CONDITIONS:**

1. This equipment must be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and at all times o/o must operate and maintain this equipment, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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 oil heater shall be operated only on PUC pipeline quality natural gas and shall be equipped with a non-resettable fuel meter.  
[District Rule 431]

3. This equipment shall not be operated unless it and the reaction holding tank are vented to a properly functioning blue smoke vent condenser control system.  
[District Rules 401, 402, and 1302]

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

5. Emissions from this equipment shall not exceed the following emission limits at any firing rate, verified by fuel use and annual compliance tests:  
a. NOx as NO2 - 20.0 ppmvd corrected to 3% O2  
b. CO - 50 ppmvd corrected to 3% O2  
[District Rule 1303]

6. 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]

7. This equipment is limited to processing no more than 122,500 tons of recycled crumb rubber material in any consecutive 12 calendar month period.  
[District Rule 1302, 1320]

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]

10. 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. The amount of rubberized or blended asphalt produced each day in gallons;  
b. The number of hours operated each day;  
c. The type and amount of fuel burned each day (in gallons or cubic feet)

[District Rule 1303]

11. Actual missions from this facility shall be less than the following:

- a. 20 tons per year of NO<sub>x</sub> [Rule 1303(B)]
- b. 12 tons per year of PM<sub>10</sub> [Rule 1303(B)]
- c. 20 tons per year of VOC
- d. 20 tons per year of SO<sub>x</sub>
- e. 80 tons per year of CO
- f. 8 tons per year for any single HAP and 20 tons per year for any combination of HAPs calculated on an annual basis. HAPs are defined in 40 CFR 61.01 and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

[District Rules 1201(S) and 1303]

12. 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]

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]