



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

B011616

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: Crumb Rubber Plant #2 rated at 45 tons per hour.

EQUIPMENT

Capacity	Equipment Description
0	Crumb Rubber Storage Bin, 4.25 Ton Capacity
0	High Net Rubber Storage Bin, 2.5 Ton Capacity
0	Receiving Hopper
0	Receiving Hopper
0.051	Vane Feeder, 9 Inch Diameter, 2 hp motor
0.01	Vane Feeder, 7 Inch Diameter, 1/3 hp motor
0.1275	Screw Conveyor, 9 Inch Diameter, 5 hp motor
0.795	Mixing Tank with Auger (681 Gallon Capacity, 5 feet 1-3/16 Inch Diameter X 4 feet 5-1/2 Inch Tall), 30 hp motor controlled by ESP, Trion Air Boss T1300 (1300 cfm) (Permit # C011659)
0	Heat Exchanger, Alstrom Model ABX-8-24-96
49	Low NOx Thermal Oil Heater, (4.9 MMBtu/hr) with Expansion Tank

CONDITIONS:

Fee Schedule: 2 (d)

Rating: 4995200 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

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.
2. The Thermal Oil Heater can only be fired on natural gas. [The sole use of natural gas ensures compliance with District Rule 409]
3. This equipment cannot operate at one facility for more than 12 consecutive months. (This system must be moved to another facility annually.)
4. Emissions from the Thermal Oil Heater shall not exceed the following:
 - a. NOx: 25.5 lb/MMscf (based on 20 ppmv at 3 percent oxygen); and
 - b. CO: 38.7 lb/MMscf (based on 50 ppmv at 3 percent oxygen).[District Rule 1302 (C) (2)(a), Rule 407(a)]
5. This facility shall comply with District Rules 401, 402, and 403, which pertain to Visible Emissions, Nuisance, and Fugitive Dust respectively.
6. Visible emissions from any single source shall not be greater than 20 percent for period or periods aggregating more than three minutes in any one hour, excluding uncombined water vapor.
[District Rule 403]
7. When in use the following equipment shall be vented to a functioning blue smoke control device as follows:
 1. Extender Oil Tank shall be vented to C011661; and
 2. Mixing Tank shall be vented to C011659.
8. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
9. The owner/operator shall maintain an operations log (in electronic or hardcopy format), for this equipment which shall contain at a minimum the following items. This log shall be maintained with the equipment and shall be presented to the APCO or his/her designee upon request.
 - a. Date and location of use,
 - b. Maintenance and burner tune-up results, and
 - c. Calendar year fuel consumption in standard cubic feet (scf) (or therms) and quantity of crumb rubber asphalt produced.
10. The Thermal Oil Heater burner must be inspected and tuned at a minimum semi-annually or prior to operation at each new operating location. The tune-up must conform to the manufacturers written instructions and procedures.
11. Electrical power for this facility shall only be provided by grid power or by an engine (or engines) with a valid District permit except or an engine with a valid CARB registration (PERP).
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]