



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

B012981

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 2024

OWNER OF OPERATOR (Co. #548)

Granite Construction Company
213 Columbia Way
Lancaster, CA 93535

EQUIPMENT LOCATION (Fac. #2680)

Granite Const - Var Loc AVAQMD
District Wide
AVAQMD, CA 93535

Description:

CRUMB RUBBER BLENDING PLANT (PLANT 1, or PLANT 3 or PLANT 6) consisting of: A system that provides rubberized asphalt as a supplement to existing asphalt batch plants.

EQUIPMENT

Capacity	Equipment Description
0	RUBBER PLANT 1 or RUBBER PLANT 3 or RUBBER PLANT 6
0	5.2 MMBTU/Hr CEI Enterprises, Inc. HDI-500G Low NOx Hot Oil Heater with Power Flame Model NP2R-G-520 Ultra-Low NOx Burner, Natural Gas or Propane Fired - District Permit B012981
0	Crumb Rubber Receiving Bin
0	Receiving Hopper
0	Vane Feeder
0	Enclosed Screw Conveyor
0	500 gallon Mixing Tank (219 exempt)
0	Electrostatic Precipitator, District Permit # C010454 controls mixing tank
0	Dual Compartment 30,000 gallon Extender Oil tank #1 (each compartment with a capacity of 15,000 gallons) (219 exempt)
0	Dual Compartment 30,000 gallon Extender Oil tank #2 (each compartment with a capacity of 15,000 gallons) (219 exempt)
0	Condenser

Fee Schedule: C (N/A) Rating: 1 device SIC: 3273 SCC: 30500206 Location/UTM(Km): 425E/3830N

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.

Granite Construction Company
213 Columbia Way
Lancaster, CA 93535

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

Capacity	Equipment Description
0	Reaction & Holding Tank, 30,000 gallon Dual Compartment (each compartment with a capacity of 15,000 gallons) District Permit # T010455
0	Electrostatic Precipitator, District Permit # C012988, vents Reaction/Holding Tank
0	Electrostatic Precipitator, District Permit # C012989, vents Extender Oil Tank
0	RUBBER PLANT 6
0	RUBBER PLANT 6 - Manufactured by CEI Enterprises, Inc., Model: RAM 45 Rubberized Asphalt Binder Plant, Serial No.: C15-138, C17-139, C17-140 Year of Manufacture: 2017, Rated at 45 TPH
0	4.99 MMBTU/Hr, CEI Enterprises, Inc., Blender/Hopper, Tank Heater & Reaction Vessel with Power Flame Model NP2R-G-520 Ultra-Low NOx Burner, Natural Gas, 4.25 MMBTU/Hr with Propane - District Permit B012981
0	Mixing Trailer: Manufactured by CEI Enterprises, Inc., Model: RBPCA-45P, Tank ID: C15-138, Capacity: 45 TPH (219 exempt)
0	Electrostatic Precipitator, District Permit # C010454 controls mixing tank
0	Liquid Asphalt Blend Reaction Tank/Hopper, 24,000 gallons (split 8 gal/8 gal/8 gal), District Permit # T010455
0	Electrostatic Precipitator, District Permit # C012988 vents Reaction Tank
0	2,000 gallon Extender Oil Tank (219 exempt)
0	Electrostatic Precipitator, District Permit # C012989 vents Extender Oil Tank

CONDITIONS:

1.Plant 1, Plant 3 or Plant 6 can not be operated within the Antelope Valley AQMD at the same time. If Plant 1, Plant 3 or Plant 6 are to be operated within the AVAQMD at the same time, an application will have to be submitted for an additional Plant or Plants, prior to having more than one Plant in the District.

[AVAQMD Rule 204]

2.This equipment shall not be operated unless the reaction and holding tanks are vented to a properly functioning blue smoke vent condenser control system.

3.The heater can only be fired on pipeline quality natural gas, LNG, or commercial grade propane (LPG). Compliance shall be demonstrated using fuel purchase receipt and fuel sulfur analysis provided by the fuel supplier.

[District Rule 431.1]

4.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:

- The amount of rubberized or blended asphalt produced each day in gallons;
- The number of hours operated each day;
- The type and amount of fuel burned each day (in gallons or cubic feet);
- The date and results of each tune-up.

5.Within 60 days of starting operation, an initial source test shall be performed to demonstrate compliance with the emission limits of this permit. Testing shall be performed by an independent testing contractor using California ARB Method 100 for oxides of nitrogen, carbon monoxide, and stack gas oxygen. A source testing protocol shall be submitted for District approval prior to performing the test. The District shall be notified at least five working days prior to the test. Within 45 days after this initial source test, a report shall indicate the emissions of NOx and CO in parts per million corrected to 3% oxygen on a dry basis, in pounds per hour and pounds per million BTU of heat input, the amount of excess oxygen in percent, and if applicable, the flue gas re-circulation settings for each load condition tested.

[AVAQMD Rule 204]

6.The o/o shall comply with Rule 1146.1 (c)(2)(B) tune up requirements to assist in maintaining manufacturer guaranteed 9 ppmvd NOx as NO2 @ 3% oxygen at its maximum natural gas firing rate.

7.This equipment shall not be operated for more than 3,120 hours per calendar year.

8.The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to Rules 401, 402, and 403, which pertain to Visible Emissions, Nuisance, and Fugitive Dust respectively.

9.This equipment shall not be operated unless the mixing chamber is vented to a properly functioning electrostatic precipitator operating under valid District Permit C010454.

10.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]

11.This equipment shall not process asphalt rubber binder with a concentration of raw crumb rubber greater than 22% by weight.

12.The owner/operator shall notify the District Engineering staff within 5 days of intended start-up of the equipment at each new location. Notification shall be by telephone and shall be followed up by email or letter. The purpose of this notification is to allow verification of equipment.
[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]