



## 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

C007347

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: JUNE 2025

#### OWNER OF OPERATOR (Co.#1)

CEMEX Construction Materials Pacific LLC  
16888 North E Street  
Victorville, CA 92392

#### EQUIPMENT LOCATION (Fac.#5)

CEMEX - Black Mountain Quarry Plant  
25220 Black Mountain Quarry Road  
Apple Valley, CA 92307

#### **Description:**

BAGHOUSE- HBH25, WHICH SERVES KILN Q-3 CLINKER COOLER SYSTEM consisting of: Amerex model RP-10-90 D6 pulsejet type baghouse with 90 Nomex bags, each measuring 5.75" diameter x 120.5" long. Cloth area is 1,359 ft<sup>2</sup>, air flow is 7,500 ACFM at 250F. Air to Cloth ratio is 5.5:1. Fan motor is rated at 40 hp. Exhaust temperature is 250 F. Unit serves Q3 Kiln and Clinker Cooler system Facility has specified that the normal operating range for pressure differential is between 1.5 and 6 inches water column.

#### **CONDITIONS:**

1. Opacity measurements shall not exceed 10% aggregated for 3 minutes in any 1-hour period.

1. The owner/operator (o/o) shall maintain this baghouse in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.  
[District Rule 204]

2. Regular emissions testing for demonstration of compliance with District rules 404 and 405 are not required. The District may require additional emissions testing at its discretion.

2. This baghouse shall be operated concurrently with Clinker Pan Conveyor of the Kiln (Q-3)/Clinker Cooler under valid District permit number B005362.  
[District Rule 204]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3241

SCC: 30500612

Location/UTM(Km): 476E/3826N

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.

CEMEX Construction Materials Pacific  
LLC  
16888 North E Street  
Victorville, CA 92392

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

3.The owner/operator (o/o) shall install, operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles which produce minimum emissions of air contaminants.

3.The o/o shall conduct a minimum program of inspection and maintenance on this equipment, following the operations and maintenance plan requirements pursuant to 40 CFR 63, Subpart LLL. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- a. A site-specific opacity monitoring plan;
  - b. Monthly reading of baghouse pressure drop, date and value;
  - c. Bags and bag suspension system inspection (monthly);
  - d. Monthly baghouse stack observations using USEPA Method 22 (10-minute test), and USEPA Method 9 (30 minutes of observations) if visible emissions are observed. If no visible emissions are observed for six consecutive months, the frequency can change to semi-annually. If no emissions are observed semi-annually the frequency can be changed to annually. If any visible emissions are observed, the frequency reverts to monthly until no visible emissions are observed for six consecutive months.
  - e. Date and nature of any system repairs.
- [District Rule 204; 40 CFR 60.1350]

4.The o/o shall institute a program of maintenance, visible emission determinations, monthly visual inspections of all associated equipment (inclusive of the bags and their suspension systems) in accordance with 40CFR Part 63.1350, and regular (to be determined with experience with this unit) measurements of the pressure differential across the bags.

4.This baghouse shall be operated in compliance with 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.  
[District Rule 204; 40 CFR 63.1343]

5.The o/o shall log all the items in 2 above in addition to the bag replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.

5.This baghouse shall discharge no more than 0.48 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf of TSP at the operating conditions given in the above description (BACT). 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 and 1303]

6.The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.

6.This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.  
[District Rule 401; 40 CFR 63.1343(b), 1345]

7.The o/o shall install and maintain a device which measures the pressure differential across the bags if one has not been provided with this unit.

7.The o/o shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.  
[District Rules 204 and 1203]

8.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; 40 CFR 51, Subpart A]

8.This baghouse shall operate concurrently with Clinker Pan Conveyor of the Kiln (Q-3)/Clinker Cooler under valid District permit number B005362.

9. This baghouse shall discharge no more than 0.48 lb/hour of PM-10 at a maximum concentration of 0.01 grain/dscf PM-10 at the operating conditions described in the above description.