



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

B007709

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:

CLINKER STORAGE SYSTEM consisting of: 120,000 short ton clinker storage hall HH1

EQUIPMENT

Capacity	Equipment Description
0	Belt Conveyor (HBC12)
0	Weigh Feeders (HBC12WF1 and 2)
0	Vibratory Feeders (HBC12VF5-8)
0	Vibratory Feeders (HBC12VF10-12)
0	Distribution Belt (HBC15T)
0	Reclaimer Belt (HBC17)
0	8 Reclaimer Vibratory Feeders (HBC17VF1 through 8)
0	Screw Conveyors, Baghouse (HBH26SC1 and 2)
0	Screw Conveyors, Baghouse (HBH27SC1 and 2)
0	Pan Conveyor (HPC5)
225	Total horsepower estimate

CONDITIONS:

Fee Schedule: 1 (c) Rating: 225bhp SIC: 3241 SCC: 30500616 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

1.The owner/operator (o/o) shall operate and maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

1.The owner/operator (o/o) shall maintain this equipment 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.This equipment shall not be operated without being vented to the baghouses with District Permits C008821 (HBH26) or C008822 (HBH27), C008823 (HBH28) and C004870 (HBH29).

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[District Rule 204]

3.The o/o shall conduct a minimum program of inspection and maintenance on this equipment. 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. Monthly (or as otherwise allowed by 40 CFR 63.1350) one minute per building side, roof and vent observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); and,
b. Date and nature of any equipment/enclosure repairs.

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) Monthly (or as otherwise allowed by 40 CFR 63.1350) one minute per building side, roof and vent observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary); and,
b) Date and nature of any equipment/enclosure repairs.
[District Rules 204 and 1203]

4.This equipment shall be operated in compliance with 40 CFR 63 Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.

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[District Rule 204; 40 CFR 63.1343]

5.This equipment (including each side, roof and vent of any buildings) shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity (40 CFR 63.1348).

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[District Rule 204; 40 CFR 63.1348]

6.THE FOLLOWING CONDITIONS APPLY TO OUTSIDE CLINKER STORAGE:

6.Temporary piles of clinker that result from accidental spillage or clinker storage cleaning operations must be cleaned up within 3 days. Should the 3 days be exceeded, facility will be required to submit an application for an outdoor/open clinker storage piles permit which accurately reflects the requirements of 40 CFR 63 Subpart LLL.
[District Rule 204; 40 CFR 63.1343(c)]

7.CEMEX shall submit an initial notification to the MDAQMD 10 days prior to the stockpile creation, and contain the following

information:

- a) Start and estimated End Date s of stockpile operations, not to exceed 6 months time duration.
- b) Clinker handling and stockpile creation emissions calculations.
- c) Identification of equipment to be shutdown for offsets.
- d) Emission offset calculations.
- e) Date, time, and estimated duration of offset equipment shutdown (Must precede stockpile commencement operations).
- f) Outdoor stockpiles will be covered or chemically treated for dust suppression when not being created or recovered.
- g) During stockpile creation, watering shall be employed to minimize emissions.
- h) There shall not be any outside visible emissions associated with stockpile operations.

7.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.PM10 emissions generated from the creation of the stockpile shall be calculated using the following equations:

$PM_{10}(\text{handling}) = \text{size of stockpile (tons)} \times 0.014 \text{ (lbs/ton)} \times \text{number of handling drops}$

$PM_{10}(\text{stockpile}) = \text{size of exposed area (acres)} \times 4.05 \text{ (tons/acre)}$

*Emission Factors from MDAQMD Emissions Inventory Guidance Document Sections E & G.

9.Upon completion of stockpile operations, CEMEX will submit a notification containing the following information:

- a) Actual Date of stockpile completion
- b) Actual Date and time of offset equipment startup
- c) Actual time duration, in hours that the offset equipment was shutdown
- d) Net stockpile emissions calculations, based on the above referenced calculations and most recent source test data for the equipment used for offsets, or District approved emission factors, if source test data does not apply.

Note: Emissions calculated from Stockpile Operations shall result in either a zero or net emissions decrease.