



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

C001276

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.#6)

CEMEX - River Plant
16888 North E Street
Victorville, CA 92392

Description:

BAGHOUSE (JBH-5) consisting of: Baghouse, Gypsum Silo, Flex Kleen model 120 WRTC-48(III), pulse jet type, with 48 polyester bags, 6" x 120.5" each, 734 ft² total cloth area, air flow is 4,000 cfm. Fan motor rated at 25 hp. Emissions are estimated to be 0.02 gr/acf. Serves Gypsum unloading and conveying system permitted under B007633 Facility has specified that the normal operating range for pressure differential is between 2 and 6 inches water column.

CONDITIONS:

1. This baghouse shall be operated in compliance with applicable requirements of 40 CFR 60 Subpart F - Standards of Performance for Portland Cement Plants and 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry. [Rule 204]

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. 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, State or Federal personnel upon request:

- Monthly reading of baghouse pressure drop, date and value;
- Quarterly felt cartridge inspection date and results;
- Date of cartridge replacements; and

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3241

SCC: 30500614

Location/UTM(Km): 472E/3823N

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

d. Date and nature of any system repairs [Rule 1302]

2.This baghouse shall be operated concurrently with the Gypsum unloading and conveying system permitted under B007933.
[District Rule 204]

3.The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

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 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.

c. Date and nature of any system repairs.

[40 CFR 63.1350(f), 1355(g)]

4.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [Rule 204]

4.All equipment shall be operated in compliance with applicable requirements of 40 CFR 63 Subpart LLL - National Emission Standard for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.
[40 CFR Part 63 Subpart LLL]

5.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [Rule 204]

5.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]

6.The owner/operator shall maintain a record of repairs and maintenance on this equipment and submit it to the District, State, or Federal personal upon request. The record shall be retained for a minimum period of five (5) years. [Rule 204]

6.Particulate emissions shall not exceed a discharge grain loading of 0.02 gr/ACF of TSP. 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 Rules 204 and 1303]

7.This air pollution control device shall be fitted with an operating air lock system on each material discharge port and shall be provided with a differential pressure measuring device. The nominal design operational/differential pressure range shall be maintained in accordance with manufacturer's recommendations and/or good engineering practices. [Rule 1302]

7.The o/o shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[District Rule 204]

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. Particulate emissions shall not exceed a discharge grain loading of 0.02 gr/ACF. [Rule 1303 - NSR Requirements]

9. Pursuant to 40 CFR 63 Subpart LLL the owner/operator shall effect the following which are Currently in Effect and Ongoing After September 2015:

63.1347: Opacity Limit; Limit opacity to 10 %.

63.1349(b)(2): Initial Performance Test - Opacity; Conduct an initial performance test for opacity using EPA Method 9. The duration of the test shall be 3 hours but may be reduced to 1 hour if certain conditions are met.

63.1349(c): Continuing Performance Tests - Opacity; Repeat performance test for opacity every 5 years.

63.1350(e): Daily Opacity Monitoring; Perform daily opacity monitoring using EPA Method 22 for six minutes.

63.1350(e)(1) & (e)(2): Daily Opacity Monitoring; If visible emissions are observed during opacity monitoring, perform corrective actions within 1 hour according to O&M plans, followed by VE inspection using EPA Method 9 within 24 hours.

10. Pursuant to 40 CFR 63 Subpart LLL the owner/operator shall effect the following General Requirements, Currently in Effect and no Longer Effective on and after September 2015:

63.6(e)(3): SSM Plan; Develop startup, shutdown, and malfunction (SSM) plan.

63.1350(a): O&M Plan; Prepare an operations and maintenance (O&M) plan.

63.1353(b)(3) & 63.9(f): Performance Test Notification Requirements; Notify administrator of opacity test at least 30 calendar days before scheduled test date.

63.1353(b)(5): Performance Test Results (Compliance Status) Notification Requirements; Notification of compliance status within 30 or 60 days after performance test completed.

63.1354(b)(2) & 63.10(d)(3): Reporting Requirements - Test Results; Submit results of opacity observations before 30 days following the completion of the VE/opacity observation.

63.1354(b)(4) & 63.10(d)(5)(i): Semiannual Malfunction Report Submit semiannual report of all malfunctions, SSM actions consistent with SSM plan, and SSM actions not consistent with SSM plan but not resulting in excess emissions, within 30 days following the end of the semiannual period.

63.1354(b)(5) & 63.10(d)(5)(ii): Deviation Reporting; Notify EPA and MDAQMD within 2 working days of actions not consistent with SSM plan, followed by certified letter within 7 days.

63.1355(a) & (b) & 63.10(b) & (c): Recordkeeping Requirements; Keep records for 5 years from the date of occurrence for:

- a. Applicability determination
- b. Notifications of performance tests
- c. Results of performance tests
- d. SSM records, including actions not consistent with SSM plans
- e. O&M records, including discrepancies
- f. VE/opacity

11. This Baghouse is subject to District Rules and Regulations and the Cement NESHAP 40 CFR 63 Subpart LLL. In the event of conflict the more stringent requirements shall govern. [Rule 204]

12. This baghouse shall operate whenever the Gypsum unloading and conveying system permitted under B007633 is in operation. [40 CFR 63 Subpart LLL]

13. The owner/operator shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with

63.1348(d) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63 Subpart LLL; Subsection 63.1355]

14. For each exceedance from an emissions standard or established operating parameter limit, the owner/operator shall keep records of the date, duration and description of each exceedance and the specific actions taken for each exceedance including inspections, corrective actions and repeat performance tests and the results of those actions. [40 CFR 63 Subpart LLL; Subsection 63.1355]

15. The owner/operator shall prepare, a written operations and maintenance plan. The plan must be submitted to the Administrator (MDAQMD) for review and approval as part of the application for a part 70 permit (Title V Permit) and must include the following information:

(1) Procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emissions limits and operating limits of 63.1343 through 63.1348. Your operations and maintenance plan must address periods of startup and shutdown; Corrective actions to be taken when required by paragraph 63.1350(f)(3);