



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

C012650

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

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:

ACTIVATED CARBON INJECTION SYSTEM - KILN Q2 consisting of: An Activated Carbon Injection (ACI) system to be used as a mercury (Hg) sorbent on Kiln Q2. This ACI system is composed of a storage silo for the activated carbon with an integrated, passive silo dust collector, an air-activated silo discharge system, a loss-in-weight feeder system with an integrated, passive dust filter system, that includes 24 filter cartridges, 6 inch diameter X 6 foot long each, a positive displacement conveyance blower, and conveyance lines/piping and associated couplings. The ACI system will feed activated carbon at a predetermined controlled rate into the kiln exhaust stream duct prior to entry into the kiln baghouse. Facility has specified that the normal operating range for pressure differential is between 1 and 5 inches water column.

CONDITIONS:

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]

1. This System 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.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3241

SCC: 30500606

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

[District Rule 204]

2. System dust collectors shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity [40 CFR Part 63 Subpart LLL Section 63.1345].

2. 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, State or Federal personnel upon request:

- a. Monthly reading of dust collectors' pressure drop, date and value;
- b. Quarterly silo bin sock and dust collector inspection date and results;
- c. Date of bin sock and or cartridge filter replacements;
- d. Date and nature of any system repairs; and,

[District Rule 1302]

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- a. Monthly reading of dust collectors' pressure drop, date and value;
- b. Quarterly silo bin sock and dust collector inspection date and results;
- c. Date of bin sock and or cartridge filter replacements;
- d. Date and nature of any system repairs; and,

[District Rule 1302]

3. 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.

[District Rule 204]

3. 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.

[District Rule 204]

3. System dust collectors shall not discharge PM-10 in excess of 0.005 grains/dscf (BACT) at the operating conditions given in the above description. [Rule 1302]

4. The systems air pollution control devices 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.

[District Rule 1302]

4. The systems air pollution control devices 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.

[District Rule 1302]

4. 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:

- a. Monthly reading of dust collectors' pressure drop, date and value;
- b. Quarterly silo filter cartridges and dust collector inspection date and results;
- c. Date of bin sock and or filter replacements;
- d. Date and nature of any system repairs; and,

5.This System 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.

[District Rule 204]

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 System 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.

[District Rule 204]

6.System dust collectors shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.

[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.System dust collectors shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity.

[40 CFR 63.1343(b), 1345]

7.System dust collectors shall not discharge PM-10 in excess of 0.005 grains/dscf (BACT) at the operating conditions given in the above description.

[District Rule 1302]

7.System dust collectors shall not discharge PM-10 in excess of 0.005 grains/dscf (BACT) at the operating conditions given in the above description.

[District Rule 1302]

7.The systems air pollution control device's shall be fitted 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]

8.Dust collector shall discharge no more than 0.003 pounds per hour, and no more than 0.081 lbs/day, and no more than 0.015 tpy of PM10. To demonstrate compliance with this condition, the owner/operator shall maintain the manufacturer's data guaranteeing the grain loading of the systems dust collector and bin sock and keep records of the systems hours of operation and the associated calculations.

[District Rule 1303 - NSR Requirements]

8.The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bin socks and filter cartridges that assures compliance these conditions. [Rule 1302]

8.Dust collector shall discharge no more than 0.003 pounds per hour, and no more than 0.081 lbs/day, and no more than 0.015 tpy of PM10. To demonstrate compliance with this condition, the owner/operator shall maintain the manufacturer's data guaranteeing the grain loading of the systems dust collector and bin sock and keep records of the systems hours of operation and the associated calculations.

[District Rule 1303 - NSR Requirements]

9.Emissions from this equipment have been offset by simultaneous emission reductions (SER's) from the road paving project at the Quarry Plant main entrance roadway. This road shall be maintained in good order, free from pot holes and excessive dirt as to minimize fugitive particulate emissions.

[District Rules 204, 1302, 1303 and 1305]

9. Dust collector shall discharge no more than 0.003 pounds per hour, and no more than 0.081 lbs/day, and no more than 0.015 tpy of PM₁₀. To demonstrate compliance with this condition, the owner/operator shall maintain the manufacturer's data guaranteeing the grain loading of the systems dust collector and filter cartridges and keep records of the systems hours of operation and the associated calculations. [Rule 1303 - NSR Requirements]

9. Emissions from this equipment have been offset by simultaneous emission reductions (SER's) from the road paving project at the Quarry Plant main entrance roadway. Road center line is defined as: from lat/long of 34.622956/-117.101988 to a lat/long of 34.619300/-117.103491; this project is 1774 feet long by 39 feet wide. This road shall be maintained in good order, free from pot holes and excessive dirt as to minimize fugitive particulate emissions.
[District Rules 204, 1302, 1303 and 1305]

10. This system and its associated dust collectors are 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.
[District Rule 204]

10. This equipment shall not be operated until the road paving project at the Quarry Plant is complete as the emissions from this equipment has been offset by simultaneous emission reductions (SERS) from the road paving project at the main entrance roadway; this project is 2370 feet long by 30 feet wide. [Rule 204; Rule 1303]

10. This system and its associated dust collectors are 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.
[District Rule 204]

11. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bin socks and filter cartridges that assures compliance these conditions.
[District Rule 204]

11. This system and its associated dust collectors are 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]

11. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bin socks and filter cartridges that assures compliance these conditions.
[District Rule 204]

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; 40 CFR 51, Subpart A]

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; 40 CFR 51, Subpart A]