MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B000084

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2002

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:
KILN AND CLINKER COOLER SYSTEM - 1Q consisting of: Controls: C000088 (GBH1); C000090 (GMC1); C000091 (GGF1); C000094 (FBH1); C001303 (HBH5); C002271 (GBH3). Total Equivalent Heat Ratings as 10 6 btu/h: 3,768.0 hp x (0.002550) + 378.0 x 10 6 btu/h = 387.6 x 10 6 btu/h

EQUIPMENT

Capacity	Equipment Description
592	Kiln Feed System
4	Coal Feed System
500	Coal Mill - 33-CMI
250	Jet Air & Pfister
100	Swirl Air
800	Kiln (2 @ 400 hp ea.) - 31-K-1, btu/h = 378 x 10 6
850	Clinker Cooler - 31-CC-1
60	Clinker Breaker - 31-CB-1
50	Drag Conveyors (2 @ 25 hp ea.) - 31-DC-1,2
60	Pan Conveyors (2 @ 30 hp ea.) - 37-PC-2,3
30	Dust Return System to Pan Conveyors
90	Belt Conveyors (15 and 75 hp) - HBC 3 & 4
40	Dust Return System on 31-K-1 from Multi Clones
16	Coal Dust Return System
1	Screw Conveyor, 9" x 13'2" - 31-SC-15

Fee Schedule: 8 (f) Rating: 387600000 Btu SIC: 3241 SCC: 99999999 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**
Eldon Heaston
Air Pollution Control Officer

Capacity	Equipment Description
200	Dust Return System from GBH1

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall not be operated unless it is vented to the functioning air pollution control equipment covered by all six valid District permits (C000088, C000090, C000091, C000094, C001303 and C002271).

3. The sulfur content of coal or a mixture of coal and petroleum coke used as primary fuel in firing the kiln shall not exceed 2.4 lb per million btu.

4. The sulfur content of fuel oil used in firing kiln shall not exceed two percent by weight as prescribed in Rules 431(g) and 406(a). No fuel oil may be stored on-site unless it has a 0.9042 specific gravity or higher (25 degrees API or lower), in accordance with Rule 219(n)(3)(b), or is stored in containers with a valid operating permit.

5. Operation of kiln numbers 8, 9, 1Q and 2Q utilizing any fuel or combination of fuels, i.e., natural gas, fuel oil, coal, petroleum coke, (and for kiln 2Q only) TDF and Gearite shall be limited to the extent that the 30-day daily average emissions from cumulative kiln operations shall not exceed the following limits:
Pollutant lbs/day
NOx 58,824
Sox 6,493
CO 28,000
VOC 2,500
TSP - Main 1,719
TSP - Clinker Cooler 1,475
Compliance with this emission limit shall be determined by using CEMS data and calculating an arithmetic average of the previous 30 days (day is defined as any 24-hour period beginning at midnight). The daily emissions for each operating day for 1Q and permit units B003319 (B000026); B000028 and B001083 shall be recorded and/or calculated in a manner approved by the District. The data shall be submitted to the District within 30 days of the end of each calendar quarter. The daily emissions of the following pollutants CO, NOx, SOx and HC as well as O2 (a diluent gas) for 1Q shall be monitored using a Continuous Emissions System (CEMS). The stack gas flow rate shall be monitored using a Continuous Emission Rate Monitoring System (CERMS). The stack gas opacity shall be monitored using a Continuous Opacity Monitoring System (COMS).

6. The following are the acceptablility testing requirements for the CEMS, CERMS and COMS:
A. For COMS (Opacity) - Performance Specification 1 of 40 CFR 60 Appendix B.
B. For SO2 and NOx CEMS - Performance Specification 2 of 40 CFR 60 Appendix B.
C. For O2 CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
D. For CO CEMS - Performance Specification 4 of 40 CFR 60 Appendix B.
E. For CERMS (stack gas flow rate) - Performance Specification 6 of 40 CFR 60 Appendix B.
F. For HC CEMS - Acceptability testing shall be performed per a District apprioved procedure that is to be submitted by the o/o.

7. The District requires an approved qualtiy assurance program for CEMS. This program shall be in accordance with 40 CFR 60 Appendix F and shall include HC, COMS and CERMS.

8. The o/o shall submit a written report of excess emissions to the District Compliance Supervisor for every calendar quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

9. SPECIAL CONDITION: This permit is issued to allow the o/o to evaluate the impact of oxygen enrichment on kiln production, fuel consumption, and system emissions. This project is estimated to conclude within twelve months. The District shall be notified in writing when the oxygen enrichment system is first used. The o/o will then submit a monthly report to the District with as a minimum the following information:

A. Emissions in accordance with Condition 5 above.
B. Effect on kiln production.
C. Effect on fuel consumption.
D. Effect on emissions in accordance with District Rule 1161.