Florida Department of Environmental Protection

Bob Martinez Center
2600 Blairstone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

September 9, 2008

Electronically Sent – Received Receipt Requested

jdaniel@cemexusa.com
Mr. James S. Daniel, Plant Manager
South Brooksville Cement Plant
Florida Crushed Stone Company
d.b.a. CEMEX, Inc.
10311 Cement Plant Road
Brooksville, Florida 32669

Re: DEP File 0530021-015-AC (PSD-FL-351A)
Expiration Date Extension of Kiln 2 Construction Permit
Installation of a Tire Injection Mechanism System (TIMS)

Dear Mr. Daniel:

On May 30 and July 29, 2008, CEMEX submitted permit modification applications requesting extension of the expiration date of the referenced Kiln 2 air construction permit and authorization to install a TIMS. Kiln 2 is presently nearing completion of construction. The Department evaluated the request in the Technical Evaluation and Preliminary Determination issued on August 27, 2008.

The expiration date of Permit 0530021-009-AC (PSD-FL-351) is hereby extended from July 6, 2008 to June 30, 2009 to allow sufficient time to install the TIMS, complete testing of the Kiln 2 units, and apply for the facility Title V operation permit revision to incorporate Kiln 2.

The additions to the existing language related to fuel use in Permit 0530021-009-AC are shown in double underlined format as follows:

Specific Condition A.1.2.a.

Fuels: Fuels fired in the pyroprocessing system (kiln and calciner) shall not exceed a total maximum heat input of 390 million Btu per hour (MMBtu/hr) and shall consist only of natural gas, coal, distillate oil, petroleum coke, flyash, on-spec oil, and whole tires. Propane may be fired and shall not exceed a maximum hourly rate of 4150 gallons/hr.

a. Whole tires may be fired directly in the pyroprocessing system at a rate not to exceed a maximum heat input of 30% of the total pyroprocessing heat input, not to exceed 117 MMBtu/hr at any time. The remaining 70% of the total pyroprocessing heat input shall be derived from firing coal, flyash, petroleum coke, natural gas, propane or distillate oil. Whole tires fired in this manner shall be fed into the kiln system near the product end (hot side) of the kiln or at the transition section between the base of the precalciner and the point where gases exit the kiln. The tire feeder mechanism at the feed end (cold side) of the kiln shall be designed with a double airlock.

b. Coal and/or petroleum coke shall not exceed 20.0 tons per hour. Natural gas shall not exceed 432 MMCF/hr. Distillate oil shall not exceed 3080 gallons/hr.

A copy of this permit modification shall be filed with the Permit 0530021-009-AC (PSD-FL-351) and shall become part of that permit. This permitting decision is issued pursuant to Chapter 403, Florida Statutes (F.S.).

Any party to this permit modification (order) has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Joseph Kahn, Director
Division of Air Resource Management

TLV/aal/th

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Permit Modification and all copies were sent electronically with received receipt requested before the close of business on 9/10/08 to the persons listed below:

Mike Aller, CEMEX: maller@cemexusa.com
Lillian DePrimo, CEMEX: lillianf.deprimo@cemex.com
George Townsend, CEMEX: gtownsend@cemexusa.com
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Administrator, Hernando County gkuhl@hernandocounty.us
Kathy Forney, EPA Region 4: forney.kathleen@epamail.epa.gov

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

(Clerk) 9/10/08 (Date)