



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

April 11, 2003

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Stephen R. Walser
Plant Manager
CEMEX Cement, Inc.
Post Office Box 6
Brooksville, FL 34605-0006

Re: Application for Air Permit to Construct or Modify One or More Emission Units
CEMEX Cement, Inc., Brooksville, Hernando County
Permit No. 0530010-011-AC

Dear Mr. Walser:

On March 13, 2003, the Florida Department of Environmental Protection received your response (dated March 12, 2003) to our prior request for additional information regarding your air permit application to modify Kilns Nos. 1 and 2 at the CEMEX Cement, Inc., facility in Brooksville, Hernando County. This facility is a Portland cement plant with emissions of multiple regulated pollutants greater than 100 tons per year and is therefore a major facility with respect to the Prevention of Significant Deterioration (PSD) program. As per your March 2003 update, your permit application for this facility now only addresses adding waste tires as a supplemental fuel for Kiln No. 2 and substituting an annual preheater feed limit in place of the existing 30-day rolling average hourly preheater feed rate limit on both kilns.

Regarding the preheater feed limit, we note that actual plant operation over the past 17 years has never achieved 8,760 annual hours of production. Kiln No. 1 operated for a maximum of 8,220 hours (in 1999) and Kiln No. 2 operated for 8,112 hours (in 2000). Average operation over the past 5 years is a little less than 8,000 hours per kiln. Assuming no change in this approximate 10 percent "downtime," replacing the current 30-day rolling average ton per hour feed rate limit with an annual feed rate limit based on 8,760 hours of operation per year would essentially allow a 10 percent increase in production. The current limit (150 tons per hour average over a rolling 30-day period) would more closely correspond to an annual limit based on 8,000 hours of operation per year (i.e., 1,200,000 tons per year as opposed to the requested 1,314,000 tons per year). It is therefore our view that granting your request for 1,314,000 tons per year preheater feed would be an increase in production over the restrictions of the current permit.

Regarding the waste tire supplemental fuel for Kiln No. 2, we do not necessarily agree that the submitted data support your claim that firing tires will not affect emissions, especially with regard to CO emissions. The generation, levels, and fate of CO throughout the kiln and preheater tower is still of interest, as an indicator of adequate overfire air and mixing. Regardless, firing waste tires amounts to a

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Mr. Walser
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physical change in the method of operation that would trigger a PSD review based on a "past actual to future potential" test.

Current PSD guidance from the U.S. Environmental Protection Agency (EPA) indicates that actual emissions should be compared with the future potential emissions following the proposed changes. Accordingly, each of the changes discussed in your application could individually result in a significant net emissions increase in one or more regulated air pollutants – thereby resulting in a modification to a major facility subject to preconstruction review pursuant to Rule 62-212.400(2)(d)4., Florida Administrative Code (F.A.C.). The application is therefore incomplete, as it contains none of the information we need to make a determination of Best Available Control Technology (BACT) as required by Rule 62-212.400(6), F.A.C.

Pursuant to Rule 62-4.055, F.A.C., Permit Processing, we request that you submit revised application forms, supplemental information, and the appropriate PSD application processing fee (\$7,500), consistent with the requirements of Rule 62-212.400(5), F.A.C. *As an alternative permitting approach, you could submit a revised application proposing allowable emissions less than the current actual emissions plus the significant emission rate for each pollutant. By limiting the allowable emissions of CO, NO_x, SO₂, PM₁₀, and VOC, the facility could avoid triggering a PSD review for these pollutants.*

Because your application contained no information regarding PSD or BACT, we were not able to conduct a preconstruction review. We therefore explicitly reserve the right to review and request additional information regarding any submitted BACT, ambient impact, and other analyses.

Rule 62-4.050(3), F.A.C., requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. Please note that as per Rule 62-4.055(1), F.A.C., *"The applicant shall have ninety days after the Department mails a timely request for additional information to submit that information to the Department.... Failure of an applicant to provide the timely requested information by the applicable date shall result in denial of the application."*

If you have any questions regarding this matter, please call Greg DeAngelo at (850)921-9506.

Sincerely,



A. A. Linero, P.E. Administrator
New Source Review Section

AAL/gpd

cc: Charles Walz, CEMEX Brooksville
Amarjit Gill, CEMEX Houston
John Koogler, Koogler & Associates

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- Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

Mr. Stephen R. Walser
 Plant Manager
 CEMEX Cement, Inc.
 Post Office Box 6
 Brooksville, FL 34605-0006

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PS Form 3811, July 1999

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 Street, Apt. No., or PO Box **Box 6**
 City, State, ZIP+4 **Brooksville, FL 34605-0006**

PS Form 3800, January 2001

See Reverse for Instructions