

Memorandum

Florida Department of Environmental Protection

To: Joseph Kahn, Division of Air Resource Management
Through: Trina Vielhauer, Bureau of Air Regulation *W*
Syed Arif, New Source Review Section *SA*
From: Cleve Holladay, New Source Review Section *SA for*
Date: March 4, 2009
Subject: Florida Crushed Stone d.b.a. CEMEX, Inc.
Final Air Permit No. DEP File No. 0530021-016-AC (PSD-FL-091F)
South Brooksville Cement Plant – Kiln 1
Tire Injection Mechanism System

The final permit for this project is attached for your approval and signature, which authorizes installation of a tire injection mechanism system on Kiln 1. Tires were already permitted to be used as fuel for Kiln 1 by introduction near the feed end (cold side) of the kiln. The TIMS project will provide for introduction of tires near the product end of the kiln (hot side). The work will be performed in Hernando County at 10311 Cement Plant Road in Brooksville, Florida. The project results in a minor source air construction permit and is not subject to PSD preconstruction review.

The attached Final Determination summarizes the publication and comment process. There are no pending petitions for administrative hearings or extensions of time in which to file a petition for an administrative hearing. I recommend your approval of the attached final permit for this project.

Attachments

TLV/sa/ch

FINAL DETERMINATION

PERMITTEE

Florida Crushed Stone, d.b.a.CEMEX; Inc.
South Brooksville Cement Plant
10311 Cement Plant Road
Brooksville, Florida 32669

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Bureau of Air Regulation, New Source Review Section
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Air Permit No. DEP File No. 0530021-016-AC (PSD-FL-091F)
Minor Air Construction Permit
South Brooksville Cement Plant

This permit modification authorizes installation of a tire injection mechanism system on Kiln 1. Tires were already permitted to be used as fuel for Kiln 1 by introduction near the feed end (cold side) of the kiln. The TIMS project will provide for introduction of tires near the product end of the kiln (hot side) without changing the permitted emission, production or fuel use limits.

NOTICE AND PUBLICATION

The Department distributed a draft minor air construction permit package on January 26, 2009. The applicant published the Public Notice in the Hernando Times publication of the St. Petersburg Times on February 2, 2009. The Department received the proof of publication on February 23, 2009. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

COMMENTS

No comments on the Draft Permit were received from the public, the Hernando County Board of County Commissioners, the Department's Southwest District Office, the EPA Region 4 Office or the applicant.

The Department reminds the permittee of the monitoring, recordkeeping and reporting provisions of actual emissions according to Rule 62-212.300(1)(e)1 and 2, Florida Administrative Code (F.A.C.). According to the applicant's baseline actual to future projected actual calculations submitted in the application, the two pollutants that show an increase in emissions were carbon monoxide(CO) and mercury(Hg).

According to Rule 62-212.300(1)(e)1, F.A.C., the applicant is required to monitor and report the emissions of any PSD pollutant (in this case CO and Hg) that could increase as a result of construction or modification and that is emitted by any emissions unit that could be affected; and using the most reliable information available, calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations after the change in accordance with Rule 62-297.310, F.A.C.

CONCLUSION

The final action of the Department is to issue the permit.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

NOTICE OF FINAL AIR PERMIT

Sent by Electronic Mail – Received Receipt Requested

James S. Daniel, Plant Manager
Florida Crushed Stone, d.b.a. CEMEX, Inc.
10311 Cement Plant Road
Brooksville, Florida 32669

Air Permit No. 0530021-016-AC (PSD-FL-091F)
South Brooksville Cement Plant
Install Tire Injection Mechanism System (TIMS)
on Kiln 1
Hernando County, Florida

Enclosed is the final air construction permit, which authorizes installation of a tire injection mechanism system (TIMS) on the product end of Kiln 1 (hot side). The proposed work will be conducted at the South Brooksville Cement Plant, which is located in Hernando County at 10311 Cement Plant Road in Brooksville, Florida. As noted in the attached Final Determination, no changes were made to the draft permit, but the permittee is reminded of the monitoring, recordkeeping and reporting provisions of actual emissions according to Rule 62-212.300(1)(e), Florida Administrative Code. This final permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this 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 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

Trina Vielhauer, Chief
Bureau of Air Regulation

TLV/sa/ch

NOTICE OF FINAL AIR PERMIT


CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 3/4/09 to the persons listed below.

James S. Daniel, CEMEX: jdaniel@cemexusa.com
Mike Aller, CEMEX: maller@cemexusa.com
Lillian DePrimo, CEMEX: lillianf.deprimo@cemex.com
George Townsend, CEMEX: gtownsend@cemexusa.com
Mara Nasca, DEP SWD: mara.nasca@dep.state.fl.us
Fawn Bergen, P.E., Koogler and Associates: fbergen@kooglerassociates.com
Administrator, Hernando County: CountyAdministrator@hernandocounty.us
Mr. Mike Halpin, DEP Siting Office: mike.halpin@dep.state.fl.us
Kathleen Forney, EPA Region 4: forney.kathleen@epa.gov
Ms. Vickie Gibson, DEP BAR Reading File: victoria.gibson@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

3/4/09
(Date)



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

March 4, 2009

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 0530021-016-AC (PSD-FL-091F)
Installation of a Tire Injection Mechanism System (TIMS) on Kiln 1

Dear Mr. Daniel:

On August 7, 2008, CEMEX submitted a permit modification application to install a TIMS on Kiln 1. The Department evaluated the request in the Technical Evaluation and Preliminary Determination issued on January 14, 2009.

The only permit requirement for the TIMS involves language changes regarding the manner by which tires are introduced into Kiln 1. The following language was suggested by CEMEX to modify Specific Condition 7 of Permit AC 27222095 (PSD-FL-091C).

From:

Specific Condition 7.

Tire-derived fuel (TDF) may be introduced into the cement kiln only at a point at the base of the preheater (i.e., kiln inlet)

To:

Specific Condition 7.

Tire-derived fuel (TDF) may be introduced into the cement kiln only at a point at the base of the preheater (i.e., kiln inlet) or at the front-end of the kiln.

With the exception of the following language pertaining to mercury (Hg) emissions, the test methods, monitoring and recordkeeping described in AC 27222095 (PSD-FL-091C) remain applicable and are adequate for the purposes of the TIMS project. An additional test for Hg emissions is being specified with this permit. In the original permits for this source, PSD-FL-090

and 091, Specific Condition A.2.h. specifies an Hg emission limitation of 0.03 lb/hr. Specific Condition B.12 specifies the compliance method for determining compliance with this emission limit. The following change will be made to Specific Condition B.12.

From:

Specific Condition B. 12.

Compliance with the mercury limits in Specific Condition A.2.h shall be demonstrated, if required by EPA, in accordance with EPA Method 101A, and 40 CFR 60.8.

To:

Specific Condition B. 12.

Compliance with the mercury limits in Specific Condition A.2.h shall be demonstrated with two sets of test runs in accordance with EPA method 29, and 40 CFR 60.8. The first test set will be with the power plant, Kiln 1 and the raw mill turned on. There shall be three test runs of at least two hours in length. The second test set will be with the power plant on, Kiln 1 on, and the raw mill off. There shall be three test runs of at least two hours duration, with the first test run commencing 15 minutes after the raw mill is shut down. All three test runs should be completed within ten hours of commencing the first test run.

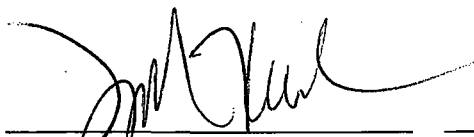
Initial testing shall be done within 60 calendar days of achieving permitted capacity, or within 180 operating days after the modification. Thereafter, testing shall be done on annual basis in accordance with Rule 62-297.310(7), F.A.C.

[Rule 62-4.070(3), F.A.C.]

A copy of this permit modification shall be filed with the Permit AC 27222095 (PSD-FL-091C) 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

3/4/2009

(Date)

Division of Air Resource Management

Livingston, Sylvia

From: Livingston, Sylvia
Sent: Wednesday, March 04, 2009 4:40 PM
To: 'jdaniel@cemexusa.com'
Cc: 'maller@cemexusa.com'; 'lillianf.deprimo@cemex.com'; 'gtownsend@cemexusa.com'; Nasca, Mara; 'fbergen@kooglerassociates.com'; 'CountyAdministrator@hernandocounty.us'; Halpin, Mike; 'forney.kathleen@epa.gov'; Gibson, Victoria; Arif, Syed; Holladay, Cleve; Walker, Elizabeth (AIR); 'abrams.heather@epamail.epa.gov'
Subject: FL Crushed Stone d.b.a CEMEX - BROOKSVILLE CEMENT AND POWER PLANTS; 0530021-016-AC/ PSD-FL091F
Attachments: 0530021-016-AC_Signatures.pdf

Dear Sir/ Madam:

Attached is the official **Notice of Final Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Click on the following link to access the permit project documents:

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0530021.016.AC.F_pdf.zip

Owner/Company Name: FLORIDA CRUSHED STONE CO., INC.
Facility Name: BROOKSVILLE CEMENT AND POWER PLANTS
Project Number: 0530021-016-AC/ PSD-FL091F
Permit Status: FINAL
Permit Activity: CONSTRUCTION
Facility County: HERNANDO
Processor: Cleve Holladay

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at <http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Sylvia Livingston
Bureau of Air Regulation
Division of Air Resource Management (DARM)
850/921-9506
sylvia.livingston@dep.state.fl.us

Livingston, Sylvia

From: Aller, Mike [MAller@cemexusa.com]
Sent: Monday, March 09, 2009 11:43 AM
To: Livingston, Sylvia
Subject: RE: FL Crushed Stone d.b.a CEMEX - BROOKSVILLE CEMENT AND POWER PLANTS; 0530021-016-AC/ PSD-FL091F

I was able to open and view the documents

From: Livingston, Sylvia [mailto:Sylvia.Livingston@dep.state.fl.us]
Sent: Wednesday, March 04, 2009 4:40 PM
To: Daniel, James S. (Jim)
Cc: Aller, Mike; Lillian F Deprimo; Townsend, George; Nasca, Mara; fbergen@kooglerassociates.com; CountyAdministrator@hernandocounty.us; Halpin, Mike; forney.kathleen@epa.gov; Gibson, Victoria; Arif, Syed; Holladay, Cleve; Walker, Elizabeth (AIR); abrams.heather@epamail.epa.gov
Subject: FL Crushed Stone d.b.a CEMEX - BROOKSVILLE CEMENT AND POWER PLANTS; 0530021-016-AC/ PSD-FL091F

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Sylvia Livingston

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JAMES S DANIEL
 FLORIDA CRUSHED STONE,
 D.B.A. CEMEX, INC.
 10311 CEMENT PLANT RD
 BROOKSVILLE, FL 32669

2. Article Number
(Transfer from service label)

7005 1160 0004 3034 5902

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Chad*

- Agent
- Addressee

B. Received by (Printed Name)

DAVIS

C. Date of Delivery

3/12/09

- D. Is delivery address different from item 1? Yes
- If YES, enter delivery address below: No

3. Service Type

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- C.O.D.

- 4. Restricted Delivery? (Extra Fee) Yes

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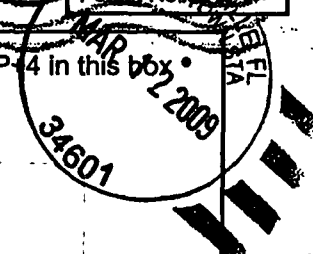


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MAR 16 2009



BUREAU OF AIR REGULATION DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 BUREAU OF AIR REGULATION
 MS 5505
 2600 BLAIR STONE ROAD
 TALLAHASSEE, FLORIDA 32399-2400

