



November 29, 2006

UPS Overnight Delivery

Ms. Cindy Mulkey  
Engineer, Bureau of Air Regulation  
Division of Air Resource Management  
2600 Blair Stone Rd MS #5505  
Tallahassee, FL 32399-2400

RECEIVED

DEC 01 2006

BUREAU OF AIR REGULATION

RE: CEMEX Cement, Inc.  
Brooksville Cement Plant  
CEMEX DEP File No 0530010-026-AC  
Indirect Firing System and SNCR System for Kilns 1 and 2

Dear Cindy:

Please find enclosed the original Proof of Publication of the public notice for the above referenced construction project. The public notice is dated November 15, 2006 and ran in the Hernando Today section of the Tampa Tribune.

If there are any questions concerning this information please contact me at (352) 799-2011

Sincerely,

CEMEX Cement, Inc.

Charles E. Walz  
Environmental Manager

cc: File

Brooksville Plant

16301 Ponce De Leon Boulevard, Brooksville, FL 34614, USA, (352) 796-7241, Fax (352) 754-9836

# HERNANDO TODAY

Published Daily  
BROOKSVILLE, HERNANDO, FLORIDA  
STATE OF FLORIDA  
COUNTY OF HERNANDO:

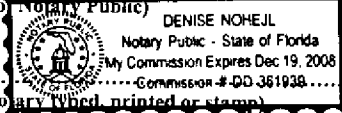
Before the undersigned authority personally appeared Sylvia Spivey, who on oath says that he/she is Legal Ad Coordinator of the Hernando Today/Hernando Sunday, a daily newspaper published at Brooksville in Hernando County, Florida: that the attached copy of the advertisement, being a Legal Notice ..... in the matter of Cemex/Air Construction Permit, dep file# 0530010-026-AC..... in the n/a..... Court, was published in said newspaper in the issues of November 15, 2006.....

Affiant further says that the said Hernando Today/Hernando Sunday is a newspaper published at Brooksville, in said Hernando County, Florida, and that the said newspaper has heretofore been continuously published in said Hernando County, Florida, each week and has been entered as a second class mail matter at the post office in Brooksville, in said Hernando County, Florida for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

*Sylvia Spivey*  
(Signature of Affiant)

Sworn to and subscribed before me this 28  
day of November, 2006

*Denise Nohejl*  
(Signature of Notary Public)



Personally Known  or  
Produced Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_

RECEIVED  
NOV 29 2006

BY: \_\_\_\_\_

## Legal Notices

CEMEX/1935130

Public Notice  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DEP File # 0530010-026-AC

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DEP File # 0530010-026-AC

CEMEX Cement, Inc.  
Brooksville Cement Plant  
Kilns 1 and 2

Hernando County  
The Department of Environmental Protection (Department)

gives notice of its intent to issue an Air Construction Permit to CEMEX Cement, Inc. The permit authorizes the installation of indirect firing systems, including after-the-fact burner replacements on Kilns 1 and 2, and installation of selective non-catalytic reduction (SNCR) systems on Kilns 1 and 2. The applicant's name and address are CEMEX Cement, Inc., Brooksville Cement Plant, Post Office Box 6, Brooksville, Florida 34605-0006.

The existing facility consists of two dry process preheater kilns, Kilns 1 and 2. Both kilns were originally equipped

with direct firing systems and mono-channel burners. The indirect firing system consists of the changeout to kiln burners that use a low amount of the cool, moist primary air from the coal mill to convey pulverized coal into the kiln firing zone. This allows greater use of hot secondary air from the clinker cooler and kiln hood. The result is a greater energy efficiency, and in theory less pollution generation. The burners are typically of multichannel design with greater flexibility in the manner by which the fuel and air are mixed and possible flame shapes and lengths. The transition to the indirect firing systems may also involve replacement of the burners currently in operation.

For each kiln, the indirect firing system will also require the installation of an additional coal mill baghouse, a pulverized coal bin with associated baghouse, and one pump with associated baghouse. The SNCR system will be used to inject sufficient amounts of aqueous ammonia into the preheater, just above the kiln inlet, to meet a new limit of 1.21 pounds (lb) of nitrogen oxides (NOX) per ton of preheater feed on each kiln. This equates to approximately 2.0 lb NOX/ton of clinker. The current limits are 1.83 and 1.72 lb NOX/ton preheater feed for Kilns 1 and 2 respectively. The use of SNCR for NOX control has been tested and successfully demonstrated at other cement plants in Florida.

Emissions of particulate matter from the new baghouses are expected to be less than 17 tons per year, which is below the significant emission rate that would require PSD review. No significant increases in any other criteria pollutant emissions are expected from the installation of the indirect firing system. Emissions of nitrogen oxides (NOX) will actually decrease due to the indirect firing systems. Because there are no significant increases in emissions of criteria pollutants, a PSD review is not required.

The Department will issue the Final Permit, in accordance with the conditions of the Draft Permit, unless a request received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Permit. Written comments or requests for public meeting should be provided to the Department's Bureau

with direct firing permit and technical evaluation can be accessed at: [www.dep.state.fl.us/air/permitting/construction/cemex.htm](http://www.dep.state.fl.us/air/permitting/construction/cemex.htm). Publish: November 15, 2006

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who is notified by the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57, or to intervene in the proceeding and participate as a party to it. Any request for intervention will be only at the approval of the presiding officer upon the filing of a motion to intervene, which complies with Rule 28.106-205 of the Florida Administrative Code. A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's identification number, if known; (b) The name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service

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**HERNANDO TODAY**

Published Daily  
BROOKSVILLE, HERNANDO, FLORIDA  
STATE OF FLORIDA  
COUNTY OF HERNANDO:

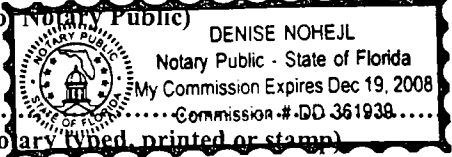
Before the undersigned authority personally appeared Sylvia Spivey, who on oath says that he/she is Legal Ad Coordinator of the Hernando Today/Hernando Sunday, a daily newspaper published at Brooksville in Hernando County, Florida: that the attached copy of the advertisement, being a Legal Notice ..... in the matter of ...Cemex/Air Construction Permit. dep file# 0530010-026-AC..... in the ...n/a..... Court, was published in said newspaper in the issues of .....November 15, 2006.....

Affiant further says that the said Hernando Today/Hernando Sunday is a newspaper published at Brooksville, in said Hernando County, Florida, and that the said newspaper has heretofore been continuously published in said Hernando County, Florida, each week and has been entered as a second class mail matter at the post office in Brooksville, in said Hernando County, Florida for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sylvia Spivey  
.....  
(Signature of Affiant)

Sworn to and subscribed before me this 28 day of November, 2006

Denise Nohejl  
.....  
(Signature of Notary Public)

(Name of Notary Public)  


Personally Known X or  
Produced Identification \_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_

**RECEIVED**  
NOV 29 2006

BY:.....

evaluation can be accessed at: [www.dep.state.fl.us/air/permitting/construction/cemex.htm](http://www.dep.state.fl.us/air/permitting/construction/cemex.htm). Publish: November 15, 2006

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the

Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service

**Legal Notices**

CEMEX/1935130

Public Notice  
**PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 0530010-026-AC

**CEMEX Cement, Inc. Brooksville Cement Plant Kilns 1 and 2**

Hernando County

The Department of Environmental Protection (Department) gives notice of its intent to issue an Air Construction Permit to CEMEX Cement, Inc. The permit authorizes the installation of indirect firing systems, including after-the-fact burner replacements on Kilns 1 and 2, and installation of selective non-catalytic reduction (SNCR) systems on Kilns 1 and 2. The applicant's name and address are CEMEX Cement, Inc, Brooksville Cement Plant, Post Office Box 6, Brooksville, Florida 34605-0006.

The existing facility consists of two dry process preheater kilns (Kilns 1 and 2). Both kilns were originally equipped

**Legal Notices**

with direct firing systems and mono-channel burners. The indirect firing system consists of the changeout to kiln burners that use a low amount of the cool, moist primary air from the coal mill to convey pulverized coal into the kiln firing zone. This allows greater use of hot secondary air from the clinker cooler and kiln hood. The result is greater energy efficiency, and in theory less pollution generation. The burners are typically of multichannel design with greater flexibility in the manner by which the fuel and air are mixed and possible flame shapes and lengths. The transition to the indirect firing systems may also involve replacement of, or modifications to, the burners currently in operation.

For each kiln, the indirect firing system will also require the installation of an additional coal mill baghouse, a pulverized coal bin with associated baghouse, and one pump with associated baghouse.

The SNCR system will be used to inject sufficient amounts of aqueous ammonia into the preheater, just above the kiln inlet, to meet a new limit of 1.21 pounds (lb) of nitrogen oxides (NOX) per ton of preheater feed on each kiln. This equates to approximately 2.0 lb NOX/ton of clinker. The current limits are 1.83 and 1.72 lb NOX/ton preheater feed for Kilns 1 and 2 respectively. The use of SNCR for NOX control has been tested and successfully demonstrated at other cement plants in Florida.

Emissions of particulate matter from the new baghouses are expected to be less than 17 tons per year, which is below the significant emission rate that would require PSD review. No significant increases in any other criteria pollutant emissions are expected from the installation of the indirect firing system. Emissions of nitrogen oxides (NOX) will actually decrease due to the SNCR systems if not due to the indirect firing systems. Because there are no significant increases in emissions of criteria pollutants, a PSD review is not required.

The Department will issue the Final Permit, in accordance with the conditions of the Draft Permit, unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of this Public Notice of Intent to Issue Permit. Written comments or requests for public meetings

**Legal Notices**

purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Protection  
Department of Environmental Protection  
Bureau of Air Regulation  
Southwest District Office  
111 S. Magnolia Drive,  
Suite 4  
13051 N. Telecom Parkway  
Tallahassee, Florida, 32301  
Temple Terrace, Florida 33637-0926  
Telephone: 850/488-0114  
Telephone: 813/744-6104  
Fax: 850/922-6979  
Fax: 813/744-6084

The complete project file includes the application, technical evaluation, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Program Administrator, South Permitting Section, Bureau of Air Regulation at 850/921-8968 or call