



# Florida Department of Environmental Protection

Southwest District  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## FINAL NOTICE OF PERMIT REVISION

Mr. James S. Daniel, Plant Manager  
CEMEX Construction Materials Florida, LLC  
10311 Cement Plant Road  
Brooksville, Florida 34601

Re: Revision of Construction Permit 0530021-022-AC for the Kiln 1 Downcomer Water  
Spray/Injection System  
DEP Project File No. 0530021-026-AC  
Brooksville South Cement Plant

Dear Mr. Daniel:

On January 14, 2010, the Department received a letter from you and Steven Cullen of Koogler & Associates, Inc. requesting two revisions to air Construction Permit 0530021-022-AC. This permit was issued on December 4, 2009 for the Kiln 1 Downcomer Water Spray/Injection System. As requested, the revisions are hereby made as follows (additions are shown with underlining):

Specific Condition No. A.3.a.:

FROM:

- a. Required Periods of Operation - The Kiln 1 Water Injection/Spray Tower shall be in service at all times that Kiln 1 is operating (including startup) with the raw mill down (i.e., not operating) (RMD) and the power plant is also down (i.e., not operating) (PPD) (i.e., operating in the RMD/PPD mode of operation).

TO:

- a. Required Periods of Operation - The Kiln 1 Water Injection/Spray Tower shall be in service at all times that Kiln 1 is operating (including startup, defined as a minimum kiln feed rate of 80 TPH) with the raw mill down (i.e., not operating) (RMD) and the power plant is also down (i.e., not operating) (PPD) (i.e., operating in the RMD/PPD mode of operation).

Specific Condition No. A.3.b.:

FROM:

- b. Maximum Downcomer Exit/Fan Inlet Gas Temperature - The Kiln 1 Downcomer Water Spray/Injection System shall be operated such that the maximum gas temperature at the downcomer exit/kiln fan inlet thermocouple (at the new K13 thermocouple - ID T1207A) shall not exceed 395°F on a 60 minute rolling average basis, unless otherwise established by D/F compliance testing and approved by the Department in writing.

TO:

- b. Maximum Downcomer Exit/Fan Inlet Gas Temperature - The Kiln 1 Downcomer Water Spray/Injection System shall be operated such that the maximum gas temperature at the downcomer exit/kiln fan inlet thermocouple (at the new K13 thermocouple - ID T1207A) shall not exceed 395°F on a 60 minute rolling average basis as soon as feasible, but no later than within 2 hours of commencing water injection, unless otherwise established by D/F compliance testing and approved by the Department in writing.

Upon issuance of this final permit revision, 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.

This letter must be attached to and becomes a part of permit 0530021-022-AC. If you have any questions, please contact the project engineering specialist, David Zell, at (813) 632-7600 or via email at [david.zell@dep.state.fl.us](mailto:david.zell@dep.state.fl.us).

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Mara Grace Nasca  
District Air Program Administrator  
Southwest District

MGN/drz/pp

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Permit Revision was sent by electronic mail before the close of business on 06-15-2010 to the person(s) listed:

Mr. James S. Daniel, Plant Manager, CEMEX Construction Materials Florida, LLC  
(jdaniel@cemexusa.com)

Mr. Steve Cullen, P.E., Koogler and Associates, Inc.  
(SCullen@kooglerassociates.com)

Mr. Jonathan Holtom, FDEP DARM/BAR  
(Jonathan.Holtom@dep.state.fl.us)

Ms. Teresa Heron, FDEP DARM/BAR  
(Teresa.Heron@dep.state.fl.us)

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.

*Stacia Duckett* 06-15-2010  
(Clerk) (Date)