FINAL DETERMINATION

PERMITTEE

CEMEX Construction Materials Florida, Inc.
1200 NW 137 Avenue
Miami, Florida 33182-1803

PERMITTING AUTHORITY

Florida Department of Environmental Protection (Department)
Division of Air Resource Management
Office of Permitting and Compliance
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

PROJECT

Permit No. 0250014-045-AC
Minor Source Air Construction Permit
Miami Cement Plant

The permit authorizes the construction of mechanical and pneumatic material handling systems for introduction of alternative fuels into the existing preheater/precalciner kiln system and modification or replacement of the main kiln burner system to allow introduction of a variety of fuels to the kiln system. The cement kiln is currently authorized to fire coal, natural gas, petroleum coke, propane, No. 2 fuel oil, residual fuel oil, and on-specification and off-specification used oil, paper currency, and whole tires. The plant has been permitted for trial burning of a variety of non-hazardous alternative fuels. Based on continuously-developing available information regarding the firing of non-hazardous alternative fuels in cement kilns, the plant requests permanent authorization to fire the non-hazardous alternative fuels, identified below. The applicant proposes to use these alternative fuels for cement production to reduce greenhouse gases and its reliance on fossil fuels, such as coal. The project includes electric or diesel-powered shredding and screening equipment to further process these materials onsite as necessary.

The plant requests authorization to fire the following non-hazardous alternative fuels in any combination in the existing cement kiln: tire-derived fuel; plastics; roofing materials; agricultural biogenic materials; untreated and treated cellulosic biomass; carpet-derived fuels, and engineered fuels (EF).

PUBLIC NOTICE

The Department distributed a draft minor source air construction permit package on April 3, 2012. The applicant published the Public Notice in the Miami Daily Business Review on April 6, 2012. The Department received the proof of publication on April 23, 2012.

No requests for an administrative hearing or requests for an extension of time in which to file a petition for an administrative hearing were received by the Agency Clerk in the Department's Office of General Counsel.

COMMENTS

No comments on the permit were received from the public, the U.S. EPA Region 4 Office or the applicant during the 14-day public comment period.

CONCLUSION

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