

The Suwannee Democrat

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STATE OF FLORIDA
COUNTY OF SUWANNEE:

Before the undersigned authority personally appeared

Louise Sheddan

who on oath says that she is
Legal Secretary

of The Suwannee Democrat, a weekly newspaper published at Live Oak in Suwannee County, Florida; that the attached copy of advertisement, being a

PUBLIC NOTICE

in the matter of

AIR CONSTRUCTION PERMIT MODIFICATION

was published in said newspaper in the issues of

FEBRUARY 18, 2005

Affiant further says that the said, The Suwannee Democrat is a newspaper published at Live Oak in said Suwannee County, Florida, and that the said newspaper has heretofore been continuously published in said Suwannee County, Florida, each week and has been entered as second class mail matter at the post office in Live Oak, in said Suwannee County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he 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 said newspaper

Louise Sheddan

Sworn to and subscribed before me this 22nd day of February, 2005.

Monja Robinson
(SEAL) Notary Public

Personally known or produced identification _____

Type of identification produced _____

MONJA ROBINSON
Notary Public, State of Florida
My comm. exp. Dec. 13, 2008
Comm. No. DD 378886

*Received Feb. 25, 2005
A. A. [Signature]*

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT MODIFICATION

Florida Department of Environmental Protection
Suwannee American Cement LLC
Suwannee American Cement Plant - Branford
Suwannee County
DEP File No.: 1210465-011-AC (PSD-FL-259F)

The Florida Department of Environmental Protection (Department) gives notice of its intent to issue an Air Construction Permit Modification to Suwannee American Cement LLC (SAC) to increase production, inject fly ash into the calciner, and install additional nitrogen oxides controls at the cement plant located on U.S. Highway 27, in Suwannee County. A new Best Available Control Technology (BACT) determination was not required. The permittee's name and address are: Suwannee American Cement LLC (SAC), Post Office Box 410, Branford, Florida 32008.

The plant started up in February 2003, is presently operating at or near full capacity under the provisions of its active construction permit, and has demonstrated compliance with the current BACT limitations. The company submitted an application for a Title V Operation Permit that is being processed by the Department.

Raw materials include sources of calcium, silica, aluminum, and iron such as limestone, sand, bauxite, clay, fly ash, iron ore, and mill scale. Allowable fuels are natural gas for startup, coal, tires, and petroleum coke. Tires and petroleum coke have not yet been burned at the facility. At the present time, the plant production capacity is limited to 105 tons per hour (TPH) of clinker.

SAC requests an increase in its hourly clinker production limit from 105 to 120 TPH and in annual production from 839,500 tons per year (TPY) to 965,425 TPY. SAC also proposes to inject fly ash, directly into the calciner instead of introducing all of it with other raw materials at the preheater. This will make it possible to increase the amount of total raw materials entering the process, thus producing more clinker. The fuel use limit will be increased from 364 to 458 million BTU per hour.

Pollution control equipment consists of a fabric filter system (baghouse) for particulate emissions from the kiln; an electrostatic precipitator on the clinker cooler; absorption of sulfur compounds and metals into the product; raw materials selection and combustion controls for volatile organic compounds (VOC) and carbon monoxide (CO); indirect firing, multiple burn points and a staged combustion calciner for nitrogen oxides (NOX); and baghouses for particulate emissions from other process emission units. SAC will add an SNCR system to inject ammonia solutions into the calciner exhaust gases to provide additional NOX control flexibility.

The Department previously issued permits to SAC to conduct clinker production, fly ash injection and SNCR tests. The tests were conducted during the last quarter of 2004. The results of the test programs were submitted to the Department in support of the present request.

The Department is already required by the

previous construction permit to set final emission limits for sulfur dioxide (SO₂) and NOX. The final permit proposed for NOX of 2.4 lb/ton of clinker (30 day basis) is one of the lowest in the county. The 24-hour NOX limit of 2.9 lb/ton of clinker will be maintained. The 3-hour SO₂ limit of 0.20 lb/ton of clinker is also one of the lowest limits issued to-date in the country. It reflects the use of raw materials that are inherently low in sulfur, very efficient scrubbing of combustion gases by finely divided lime in the calciner, and injection, as needed, of hydrated lime into the preheater.

The company proposes to reduce the CO emission limit from 3.6 to 3.34 lb/ton clinker; however the annual emission limit will increase by 99 tons. There may be small increases in PM/PM₁₀ emissions due to increased production. Actual test data indicate that emissions are much less than presently allowed and SAC has proposed decreases in the PM/PM₁₀ limits from 0.13/0.11 to 0.11/0.09 lb/ton of feed to the preheater. The PM/PM₁₀ emission limits from the clinker cooler will also be reduced from 0.07/0.06 to 0.06/0.05 lb/ton of feed. The proposed production increase will not result in significant net emissions increases and a new evaluation under the rules for the Prevention of Significant Deterioration (PSD) is not required.

SAC has continuous emission monitoring systems (CEMS) for NOX, SO₂, visible emissions, control equipment temperature, and total hydrocarbons with real-time transmission to the Department. Key data are available at:
<http://www.suwanneacement.com>.

Following are the net annual emission limit increases and decreases from the kiln and cooler compared with the original permit. Pollutant Permitted Emissions (TPY) Proposed Emissions (TPY) Net Emission Increases (Decreases) (TPY) PSD Significant Emission Rate (TPY) PM (Kiln) 93 93 0 25 PM₁₀ (Kiln) 78 78 0 15 PM (cooler) 50 50 0 25 PM₁₀ (cooler) 43 43 0 15 SO₂ 114 97 (17) 40 NOX 1218 1159 (59) 40 CO 1511 1610 99 100 VOC 50 58 8 40

The Department will issue the Final Permit Modification with the attached conditions 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 action for a period of fourteen (14) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit Modification. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the Permit Modification 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, F.S. 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 must be filed within fourteen (14) days of publication of this Public Notice of Intent to Issue Air Construction Permit Modification. Under Section 120.60(3), F.S., however, petitions submitted by person(s) who asked the

Department for notice of agency action must be filed within fourteen (14) days of receipt of that notice or the date of publication of the public notice whichever occurs first. 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, F.A.C.

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 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 the 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,
Bureau of Air Regulation, 111 S. Magnolia Drive, Suite 4, Tallahassee, Florida, 32301,
Telephone: (850) 921-9523, Fax: (850) 922-6979

Department of Environmental Protection,
Northeast District Office, 7825 Baymeadows Way, Suite 200B, Jacksonville, Florida, 32256-7590
Telephone: (904) 807-3233, Fax: (904) 448-4363

The complete project file includes the Draft Air Construction Permit Modification, Technical Evaluation and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Program Administrator for the South Permitting Section, Bureau of Air Regulation, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/921-8968 for additional information. The draft permit modification as well as original permit and BACT determination and any other permitting actions to-date can be viewed at www.dep.state.fl.us/air/permitting/construction/suwannee.htm
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