



North Carolina Department of Environment and Natural Resources
Division of Air Quality

Michael F. Easley, Governor

William G. Ross, Jr., Secretary
B. Keith Overcash, P.E., Director

April 2, 2008

Mr. James S. Willis
Corporate Environmental Manager
Titan America
6071 Catawba Road
Troutville, Virginia 24175

Subject: PSD Permit Application
Additional Information Request
Carolinas Cement Company, LLC
Castle Hayne, North Carolina
New Hanover County
Facility ID: 6500296

Dear Mr. Willis:

The following questions and concerns were raised during the meeting between the Division of Air Quality (DAQ) and Carolinas Cement Company, LLC on March 13, 2008. These questions and concerns are the result of a preliminary review of the PSD application (No. 6500296.08A) received by the DAQ on February 26, 2008.

1. To date, the DAQ has not received a signed response from the zoning authority in New Hanover County as to whether this project meets the zoning requirements.
2. Please address PM 2.5 emissions.
3. The application asked for a one year clinker input rate of 3.0 lbs/ton. Was this worse case scenario modeled?
4. Send copies of the source tests that are referenced in the application.
5. Please make electronic text copies of application data and discussions (BACT Analysis, equipment descriptions, etc.) available to the DAQ.
6. Please provide a process flow diagram of all major pieces of equipment for this project.
7. On page 21 of Section D, the sulfur dioxide control efficiency calculation used 0.8% for the sulfur content. What is the value of the control efficiency for the upper range that was listed (3% sulfur content)?
8. Please remove the references in the application to the 1990 EPA Work Shop Manual.
9. Please provide the total PM (front half and back half) for the PM BACT Analysis.

If you have any questions or concerns, please contact Booker T. Pullen at (919) 715-6248 or booker.pullen@ncmail.net.

Sincerely,

William D. Willets, P.E.
Supervisor, Permitting Section

c: Central files
Wilmington Regional Office

Permitting Section

1641 Mail Service Center, Raleigh, North Carolina 27699-1641
2728 Capital Blvd., Raleigh, North Carolina 27604
Phone: 919-715-6235 / FAX 919-733-5317 / Internet: www.ncair.org

One
North Carolina
Naturally