



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

September 8, 2011

Mr. Mike Mosley  
Plant Manager  
Progress Energy Roxboro  
1700 Dunnaway Road  
Semora, NC 27343

Subject: Notification - Coal Ash Structural Fill  
Progress Energy Roxboro Steam Station – Phase 6  
Semora, NC  
Person County  
Doc ID 15084

Reference: Coal Ash Structural Fill Notification Application dated August 8, 2011, received  
by the Solid Waste Section on August 10, 2011

Dear Mr. Mosley:

The Solid Waste Section (Section) has reviewed the Structural Fill Notification Application (Doc ID 15083) dated August 8, 2011 submitted by Blackrock Engineers, Inc. The application meets all of the requirements specified in Section .1700 of the North Carolina Solid Waste Management 15A NCAC 13B Rules. This notification includes the following information as required by Rule .1703:

1. **Nature, Purpose and location of the project:** This project proposes the use of approximately 725,000 cubic yards of coal ash generated from the Roxboro Steam Station and the Mayo Steam Station as structural fill to construct a suitable subgrade for the Phase 6 expansion of the existing lined industrial landfill, permit number 73-02

**Quad sheet:** Olive Hill, NC (Person Co): 36.480044 North Lat; 78.059856 W Long

2. **Estimated start:** September 2011  
**Estimated completion:** September 2012
3. **Estimated volume:** 725,000 cubic yards
4. **TCLP analysis from coal ash:** included in application

5. **Signed statement from the owner:** Mike Mosley signed a cover letter stating his acknowledgment and consent to use coal combustion by-products as structural fill for the Phase 6 project dated August 8, 2011.
6. **CCB generator:** Progress Energy Roxboro Steam Electric Plant  
**CCB generator:** Progress Energy Mayo Steam Electric Plant  
**Location of generating plant:** Roxboro – 1700 Dunnaway Road, Semora, NC 27343  
**Location of generating plant:** Mayo – 10660 Boston Road, Roxboro, NC 27574  
**Mailing address:** same as above  
**Contact:** Roxboro – Mike Mosley  
**Contact:** Mayo – Jody Thacker  
**Telephone number:** Roxboro – 336.597.6101  
**Telephone number:** Mayo – 336.597.7301  
**Statement that notification will be given to DWM if changes are to occur.**

Construction may now begin on this project. However, the start date of the Phase 6 liner construction is unknown, so in the interim, the coal ash must be covered with a minimum 12 inches of compacted earth and an additional six inches of soil suitable for plant growth in accordance with 15A NCAC 13B .1705 (j). Also, the structural fill application indicated piezometer PZ-20 will be abandoned during site preparation. Submit the abandonment record (Form GW-30) for this piezometer upon completion of the abandonment.

During the construction process, North Carolina Solid Waste Management 15A NCAC 13B Rules .1701, .1702, .1704, .1705, .1706, .1707, .1708, .1709, and .1710 shall also be adhered to.

If you have any questions or concerns, please contact myself at (919) 508-8495 or Elizabeth Werner via email [elizabeth.werner@ncdenr.gov](mailto:elizabeth.werner@ncdenr.gov) or phone at (919) 508-8496.

Sincerely,

Edward F. Mussler  
Permitting Branch Supervisor  
Solid Waste Section

Cc: John Toepfer – Progress Energy  
Caroline Broughton – Progress Energy  
Gary Ahlberg – Blackrock Engineering, Inc.  
John Patrone – SWS  
Dennis Shackelford – SWS  
Elizabeth Werner - SWS  
Central file