



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

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Secretary

SOLID WASTE SECTION

September 9, 2009

Mr. Andrew F. Tinsley, Corporate EHS  
Duke Energy Corporation  
EC13K / PO Box 1006  
Charlotte, North Carolina 28201-1006

**Subject:** Notification for Structural Fill – Coal Combustion By-Products  
Duke Energy – Allen Steam Station  
Retired Ash Basin (RAB) – Ash Landfill  
Permit No. 36-12, Gaston County  
Structural Fill Tracking Number – CCB0073, DIN 8354

Dear Mr. Tinsley:

On August 26, 2009 the Division of Waste Management, Solid Waste Section (Section) received your Notification for Structural Fill of Coal Combustion By-Products at Duke Energy's Allen Steam Station in Gaston County, entitled;

- *Structural Fill Facility Notification – Future Cells 3 & 4 Subgrade, Retired Ash Basin(RAB)Ash Landfill – Allen Steam Station, Gaston County, North Carolina, S&ME Project No. 1356-06-825, S&ME Engineering License No. F-0176. Prepared by S&ME. Prepared for Duke Energy. August 2009. DIN 8353.*

The Section has reviewed the submitted notification and determined that it meets all of the requirements specified in North Carolina Administrative Code 15A NCAC 13B .1700. Furthermore, the notification included the following information as in accordance 15A NCAC 13B .1703:

- (1) **Nature, Purpose and location of the project:** This notification proposes structural fill utilizing coal combustion by-products in the proposed Cells 3 and 4 of the Allen Steam Station RAB – Ash Landfill. Cells 3 and 4 are located on the northern side the RAB and are two of the four cells in the landfill. The RAB is located south of the Station's powerhouse area and adjacent to the Catawba River. The required USGS Map was included.
- (2) **Estimated start:** September 2009  
**Estimated completion:** February 2010
- (3) **Estimated volume:** 170,000 cubic yards
- (4) **TCLP analysis from coal ash:** The analysis is included in the notification.

(5) **Signed statement from the owner:** A signed and dated statement by Duke Energy is included in the notification.

(6) Inclusions:

- (A) **Coal Combustion By-Products generator:** Duke Energy – Allen Steam Station
- (B) **Location of generating plant:** Intersection of South Point and Plant Allen Roads, Gaston County. Near the confluence of the South Fork and Catawba Rivers
- (C) **Mailing address:** 235 Plant Allen Road, Belmont, North Carolina 28012
- (D) **Contact:** Mr. Don L. Scruggs
- (E) **Telephone number:** (704) 829-2423
- (F) **Subsequent notification:** Included

Please note that construction may commence on this project and that all construction must be completed in accordance with 15A NCAC 13B .1700 and the submitted notification. Should you have any questions regarding this matter you may contact Mr. Larry Frost at (828) 296-4704.

Sincerely,

Ed Mussler  
Permitting Branch Supervisor  
Solid Waste Section

cc: Don Scruggs – Duke Energy, 235 Plant Allen Road, Belmont, NC 28012  
Deb Aja – SWS/ARO  
CT Gerstell – SWS/MRO  
Ken Daly – S&ME