

Permit No.	Date	DIN
8503	November 18, 2010	12256



RECEIVED
November 15, 2010
Solid Waste Section
Asheville Regional Office

Duke Energy
Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
(336) 445-0642 OFFICE
(336) 445-0423 FAX

November 15, 2010

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
Asheville Regional Office
2090 US Highway 70
Swannanoa, North Carolina 28778

Attention: Mr. Larry Frost
Environmental Engineer II

Subject: Pine Hall Road Ash Landfill, Permit Number 85-03 (Closed)
Duke Energy – Belews Creek Steam Station
Stokes County, North Carolina

Dear Mr. Frost:

This letter is being submitted to update your office of Duke Energy's intentions regarding the Pine Hall Road Ash Landfill cover system. You may recall that on behalf of Duke Energy, S&ME Inc. provided your Division an update in a July 13, 2010 letter documenting temporary piezometer installation. Settlement of the landfill cover in the vicinity of the landfill perimeter at several locations had been observed, and two ash/soil boils emerged at the perimeter. Visual observations indicated that material was transported from underneath the cover system geosynthetics and emerged at the boil locations. Note that the landfill area drains directly to a sediment basin tributary to the active ash basin and that ash and ash-contact water is directed to the active ash basin.

Duke Energy and S&ME Inc. have been monitoring site conditions regularly and it is our opinion that the site is generally stable. Duke Energy and S&ME have been evaluating alternatives to restore the cover system settlement and address observed boils at the perimeter. Duke Energy anticipates the following path forward:

1. The landfill cover system will be monitored monthly, and after heavy rainfall events, for erosion and settlement. We believe that the perimeter has stabilized; if changes are noticed, more frequent monitoring may occur and/or action taken if needed.
2. Monitoring will occur through the winter and the cover perimeter system will be reevaluated in the spring.
3. The landfill will be kept mowed at a level which allows for observation of the cap system in the areas of interest.



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If you need any additional information or have any questions, please contact Melonie Martin at (336) 445-0610.

Sincerely,

A handwritten signature in cursive script that reads 'Don Faulkner'.

Don Faulkner
V.P. Regional Fossil Station
Belews Creek Steam Station

Cc: John Patrone, NCDENR
Ed Sullivan, Duke Energy
Kenneth R. Daly, S&ME