



Permit No.	Scan Date	DIN
8503-INDUS-1984	October 22, 2015	25182

RECEIVED  
**October 22, 2015**  
Solid Waste Section  
Asheville Regional Office

Belews Creek Steam Station  
3195 Pine Hall Road  
Belews Creek, NC 27009  
Office: 336-445-0610  
Mobile: 336-669-2994

October 19, 2015

North Carolina Department of Environmental Quality  
Division of Waste Management  
Solid Waste Section  
2090 U.S. Highway 70  
Swannanoa, North Carolina 28778

Attn: Mr. Larry Frost

Re: Pine Hall Landfill Incident Report  
Permit No.: 8503-INDUS-1984  
Belews Creek Steam Station  
Stokes County  
Belews Creek, North Carolina 27009

Dear Mr.Frost,

This letter serves as an incident report for an occurrence at the Duke Energy Belews Creek Steam Station Pine Hall Road Landfill (Permit No. 8503-INDUS-1984). At approximately 09:30 on October 1, 2015, two areas of ash were noticed at the Belews Creek Pine Hall Road Landfill. The areas of interest were located approximately 20' up the slope from the base of the ditch line and approximately 60' apart (Figure 1). Ash was released from the two areas into the northern perimeter ditch line. The perimeter ditch which received ash was verified to be within the limits of waste. All ditch drainage features at the Pine Hall Road Landfill lead to the ash basin.

The following activities have occurred since the initial incident identification:

- October 1, 2015, at approximately 11:00am, Duke Energy Environmental and O&M Engineer reviewed the area of interest and inspected the surrounding landfill slopes. Duke Energy Environmental notified NCDEQ;
- October 9, 2015, Duke Energy Engineering with the guidance of AMEC FW excavated the primary area of interest. There was evidence of ash around and on top of the below grade drainage system concrete diversion block as well as what appeared to be flow under the liner between the ash fill and the geomembrane.
- October 12, 2015, additional excavation was completed to view additional area. The additional excavation verified:
  - the presence of panel drains above and below the concrete diversion block,
  - the perimeter drain is ash free,

- no evidence of ash migrating from the perimeter drain anywhere but out to the perimeter drop inlet (no evidence of water movement out of the perimeter drain towards the concrete block), and
- the ash movement is in a thin veneer under the liner.
- October 13, 2015 NCDEQ Division of Solid Waste inspected the facility.

The excavation remains open, protected with silt fence and wattles, until the repair plan is developed. Monitoring will be completed at least weekly with rainfall inspections occurring daily or more frequent based on the intensity and amount of rain received.

Duke Energy is in the process of developing a repair plan and will submit to the Division for concurrence. Duke Energy is committed to excellent environmental stewardship and cooperation with the Division regarding the operation, maintenance, safety, and integrity of all of its facilities. We look forward to continuing to work with you regarding environmental concerns.

If there are any questions regarding this request, please contact me at (336) 445-0610.

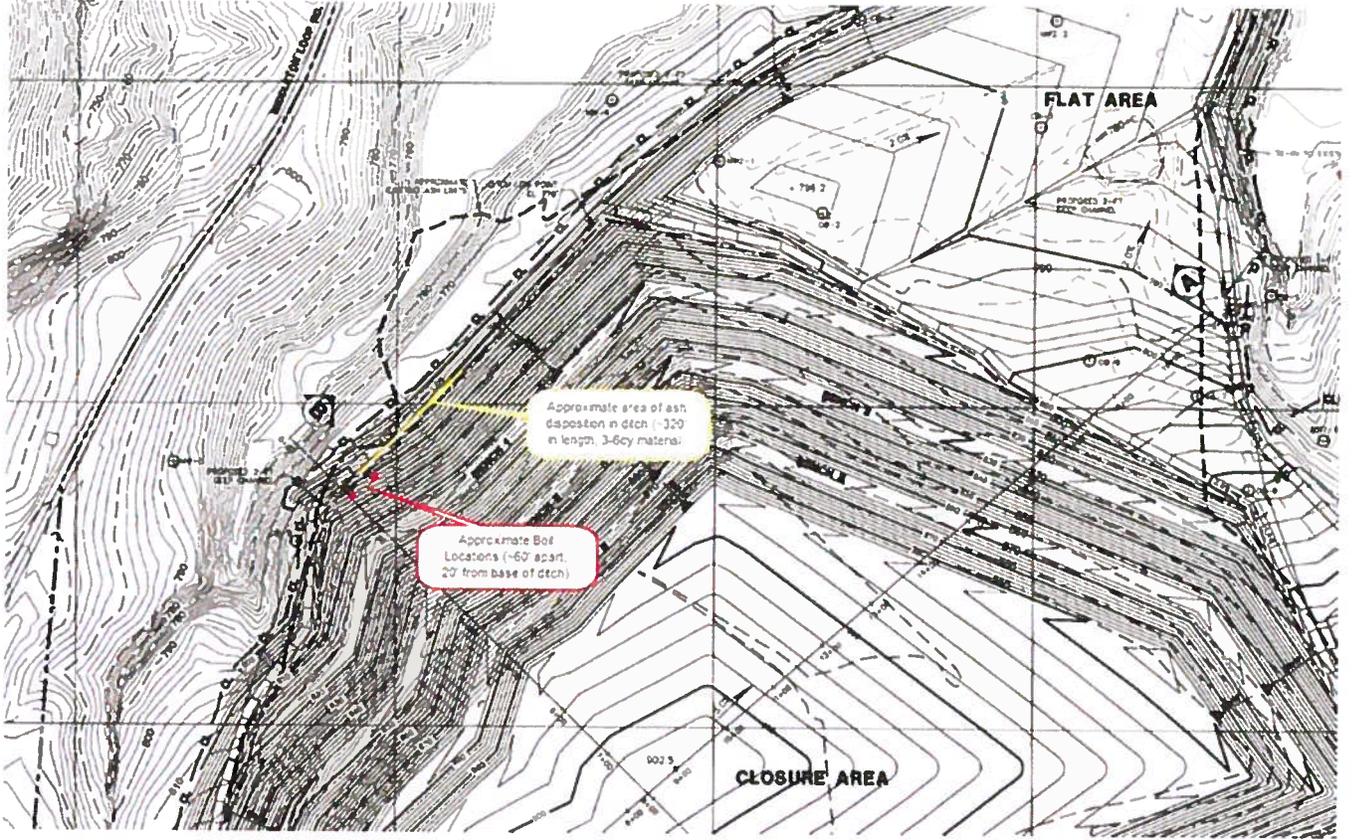
Respectfully submitted,



Melonie Martin  
*Environmental Services*

cc (via e-mail): Ed Mussler, NCDEQ  
Shawn McKee, NCDEQ  
Evan Andrews, Duke Energy  
Will Harrison, Duke Energy  
Kimberlee Hutchinson, Duke Energy  
Ed Sullivan, Duke Energy

Figure 1



Pictures:

