

FACILITY COMPLIANCE INSPECTION REPORT
Department of Environmental Quality
Division of Waste Management - Solid Waste Section

| UNIT TYPE: | | | | | | | | | | | |
|-------------------|--|-----------------------|--|---------------|--|---------------------|--|---------|--|------|---|
| Lined MSWLF | | LCID | | YW | | Transfer | | Compost | | SLAS | COUNTY: Stokes PERMIT NO.: CCB0070 FILE TYPE: COMPLIANCE |
| Closed MSWLF | | HHW | | White goods | | Incin | | T&P | | FIRM | |
| CDLF | | Tire T&P / Collection | | Tire Monofill | | Industrial Landfill | | DEMO | | SDTF | |

Date of Site Inspection: 2/24/2016 **Date of Last Inspection:** 4/27/2015

FACILITY NAME AND ADDRESS:

Duke Energy Corporation
 Belews Creek Steam Station
 Structural Fill (Equipment/material staging area and overflow parking lot)
 Pine Hall Road
 Belews Creek, NC 27009

GPS COORDINATES: N: 36.28569 W: -80.06540

Melonie Martin, Environmental Coordinator
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Kimberlee Witt, PE, Sr. Engineer - Environmental Services
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FACILITY CONTACT ADDRESS:

Duke Energy Carolinas, LLC
 Belews Creek Steam Station
 3195 Pine Hall Road
 Belews Creek, North Carolina 27009

PARTICIPANTS:

Shawn McKee, NCDEQ, Solid Waste Section, Environmental Senior Specialist
 Larry Frost, NCDEQ, Solid Waste Section, Engineering Project Manager
 Elizabeth Werner, NCDEQ, Solid Waste Section, Permitting Hydrogeologist
 Kim Witt, Duke Energy
 Evan Andrews, Duke Energy
 Will Harrison, Duke Energy
 Melanie Martin, Duke Energy
 Jeff Gateley, Duke Energy

STATUS OF PERMIT:

Not required - Coal Combustion By-products Structural Fill constructed per 15A NCAC 13B .1700 Solid Waste Rules

PURPOSE OF SITE VISIT:

Comprehensive inspection to ensure that the Structural Fill Facility is in compliance with 15A North Carolina Administration Code (NCAC) 13B. 1700, "Requirements For Beneficial Use Of Coal Combustion By-Products."

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STATUS OF PAST NOTED VIOLATIONS:

None.

OBSERVED VIOLATIONS

None.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may also be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. The Duke Energy Corporation - Belews Creek Steam Station completed construction of a structural fill project in September 2009 located off of Pine Hall Road diagonally across from the Pine Hall Road Ash Landfill (85-03).
2. The structural fill is used for the intended purpose of a parking lot and equipment laydown yard in the event of large scale mobilizations per the expected beneficial end stated in the notification submitted to NCDENR.
3. Coal combustion by-products utilized on exterior slopes of the structural fill facility shall not have a slope greater than a 3:1 ratio as per 15A NCAC 13B .1705(1).
4. The facility shall be covered with a minimum of 12-inches compacted earth and an additional 6-inches of surface soil capable of supporting native vegetation as per 15A NCAC 13B .1705(j).
5. Final cover is being well maintained. Native vegetation is covering the side slopes of structural fill. The top of the fill is covered in compacted stone. No erosion or ponded water was observed during the inspection.



Side slopes on the southeastern corner.

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6. A slope drain on the southeastern side of the structural fill had been recently repaired due to some undercutting having occurred around the drain.



Repaired slope drain

7. Approximately 918,274 cubic yards of coal combustion by-products were utilized in the construction of the structural fill.

8. Per the requirements of 15A NCAC 13B .1707, the structural fill has been recorded on the property deed.

Please contact me if you have any questions or concerns regarding this inspection report.



Environmental Senior Specialist

Phone: 919-707-8284

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|----------------------------------|--|-------------|---------------|--|---------|-------------------|
| Sent on: March 9, 2016 | | Email: X | Hand delivery | | US Mail | Certified No. [] |
|----------------------------------|--|-------------|---------------|--|---------|-------------------|

Copies: Ellen Lorscheider, Section Chief, Solid Waste Section
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