

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2012 and a copy of this report must be sent to the County Manager of each county from which waste was received. If you have questions or require assistance in completing this report, contact your Regional Environmental Senior Specialist.

Facility Name: Duke Power/Marshall Steam Plt FGD Permit: 1809-INDUS- ID: P1151

Facility Website (URL): http://www.duke-energy.com/power-plants/coal-fired/marshall.asp

Physical Address	Mailing Address
Street 1: <u>8320 East NC Highway 150</u>	Street 1: <u>8320 East NC Highway 150</u>
Street 2: _____	Street 2: _____
City: <u>Terrell</u> County: <u>Catawba</u>	City: <u>Terrell</u>
State: <u>North Carolina</u> Zip: <u>28682</u>	State: <u>North Carolina</u> Zip: <u>28682</u>
Primary Facility Contact Person	Billing Contact Person
Name: <u>Donna Burrell</u>	Name: <u>Dwight Little</u>
Phone: <u>(828) 478-7820</u> Fax: <u>(828) 478-7776</u>	Phone: <u>(704) 382-6083</u> Fax: <u>(704) 382-6240</u>
Email: <u>Donna.Burrell@duke-energy.com</u>	Email: <u>Dwight.Little@duke-energy.com</u>

1. Tipping Fee: \$ 0.00 per Ton (Attach a schedule of tipping fees if appropriate.)

2. Indicate types of disposal activity occurring at this facility (Check all that apply).

- Landfilling of industrial waste (specify waste): FGD - Clarifier Sludge and Gypsum
- Landfilling of construction and demolition waste
- Landfilling of asbestos
- Landfilling of ash
- Landfilling of sludge
- Landfilling of other waste (specify): Mill Rejects

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3. What other activities occur at this facility? (check all that apply)

- Recycling/Reuse Collection Scrap Tire Collection White Goods Collection Household Hazardous Waste Collection

If you checked Recycling/Reuse Collection, please indicate the materials accepted: (check all that apply)

- Paper Wood Concrete/rubble/asphalt Gypsum/drywall
- Cardboard Glass Aluminum Cans Steel Cans
- PETE (#1) Plastic HDPE (#2) Plastic Computer Equipment Televisions
- Fluorescent lightbulbs Used oil/oil filters Other Metal Other Plastic
- Other (specify) NOTE: Recycling activities occur at Marshall Steam Station but are not associated with the landfill.

Airspace (Capacity): Questions in this section relate to all cells/units of the facility operated under the current 4-digit permit number regardless of whether the cells/units are closed or are not contiguous at the time of this report. Tonnage questions must be based on scale records and cover the period between the opening date and the date of the last survey unless another time period is approved. Airspace measurements include weekly, intermediate and final cover.

4. Date Facility Last Surveyed: 06/14/2012
5. Airspace Used (cubic yards): 285,200
6. Total Tons Disposed in Airspace Used (tons): 311,977.78

Facility Name: Duke Power/Marshall Steam Plt FGD Permit: 1809-INDUS-

Address: 8320 East NC Highway 150

City: Terrell State: North Carolina Zip: 28682

Person completing Assessment: Sean DeNeale Date: Jul 25, 2012

Phone Number: (704) 382-4761 Fax: (704) 382-6240 Email: Sean.DeNeale@duke-energy.com

Instructions: Please indicate either *Yes* or *No* for each Receptor and Post Closure Maintenance question. Then please determine the distance or distances for each Receptor from the *Edge of Waste* (using range finders and/or GIS maps) and type that information into the form. Please attach additional information including GIS maps, lists of potable well locations, etc.

Receptors

1. Are there Residential Dwellings Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many? 5
 What are the three closest distances from the *Edge of Waste*? 970 Feet 975 Feet 1230 Feet
2. Are there Potable Wells Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many? 7
 What are the three closest distances from the *Edge of Waste*? 900 Feet 960 Feet 960 Feet
3. Are there Community/Municipal Wells Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many? _____
 What are the three closest distances from the *Edge of Waste*? _____ Feet _____ Feet _____ Feet
4. Are there Surface Water Bodies Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many? _____
 What are the three closest distances from the *Edge of Waste*? _____ Feet _____ Feet _____ Feet
 Please list the names of the water bodies: _____
5. Is Public Water Available Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many of the Residential Dwellings noted above are connected? N/A

Corrective Measures

6. Is there an active methane extraction system (blower, flare, etc.)? Yes No
7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)? Yes No
8. Is there groundwater remediation taking place on site? Yes No
 If Yes, what is the specific remedial technology used? _____

Comments

Duke Energy – Marshall Steam Station FGD Landfill

Permit: 1809-INDUS-



LEGEND:

- Edge of Waste
- Surface Water Bodies
- Potable Well Within 1,500' of Edge of Waste



526 South Church St.
Charlotte, NC 28202

Mailing Address:
P.O. Box 1006
Mail Code EC13K
Charlotte, NC 28201-1006

704-382-4761

704-382-6240 fax

July 25, 2012

Deb Aja
2090 US Highway 70
Swannanoa, NC 28778

SUBJECT: Duke Energy – Marshall Steam Station
Permit Number 1809-INDUS-
Industrial Waste Landfill Annual Report



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SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

Dear Ms. Aja:

Attached is the completed Industrial Landfill Annual Report form for Duke Energy's Marshall Steam Station Flue Gas Desulfurization (FGD) Residue Landfill (Permit No. 18-09) for the past year (7/1/2011 – 6/30/2012).

The landfill primarily accepts waste from Duke Energy's Marshall Steam Station. However, in accordance with the conditions of the Permit to Operate, the landfill also accepts asbestos waste from Duke Energy facilities within the service area in the Piedmont Carolinas. A total of approximately 37,402 tons of waste was received by the landfill during the most recent twelve month period. Since operation, approximately 285,200 cubic yards of waste has been disposed of in the landfill.

As required by G.S. 130A-309.09D(b), the County Manager for any county that generated waste for disposal to this landfill was sent a copy of the Annual Report. Therefore, a copy of this Annual Report is provided to each County Manager for the 13 counties that generated waste for disposal in this landfill.

If there are any questions regarding this report, please contact me at (704) 382-4761.

Sincerely,

Sean DeNeale, EI
Waste and Remediation Management
Environment, Health and Safety

Attachments

c: Donna Burrell – Marshall Steam Station