

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2014 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 Energy - Marshall Steam Station FGD LandfillPermit: 1809-INDUS

Physical Address	Mailing Address
Street 1: <u>8320 East Highway 150</u>	Street 1: <u>8320 East 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>George Tolbert</u>	Name: <u>Kimberlee Hutchinson</u>
Phone: <u>(828) 478-7820</u> Fax: <u>(828) 478-7776</u>	Phone: <u>(336) 445-0746</u> Fax: <u>(336) 445-0423</u>
Email: <u>George.Tolbert@Duke-Energy.com</u>	Email: <u>Kim.Hutchinson@Duke-Energy.com</u>

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

2. Did your facility stop receiving waste during this past Fiscal Year? Yes No

If so, please report the date this occurred: _____

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

- Landfilling of industrial waste (specify waste): FGD Clarifier Sludge, Gypsum, Fly Ash and Bottom Ash
- Landfilling of construction and demolition waste
- Landfilling of asbestos
- Landfilling of ash
- Landfilling of sludge
- Landfilling of other waste (specify): _____

4. 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.

5. Date Facility Last Surveyed: 4/17/2014

6. Airspace Used (cubic yards): 569,309

7. Total Tons Disposed in Airspace Used (tons): 739,012.56

Facility Name: Duke Energy - Marshall Steam Station FGD Landfill Permit: 1809-INDUS

Address: 8320 East Highway 150

City: Terrell State: North Carolina Zip: 28682

Person completing Assessment: Kimberlee Hutchinson Date: 7/3/2014

Phone Number: (336) 445-0746 Fax: (336) 445-0423 Email: Kim.Hutchinson@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 1,230 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

Waste streams identified on Page1, Question 3 reflect disposal activities that occurred at this facility from July 1, 2013 through June 30, 2014.

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

P.O. Box 1006
Mail Code EC13K
Charlotte, NC 28201-1006
336-215-4576
704-382-6240 fax

July 23, 2013

Ms. Deb Aja
Environmental Senior Specialist
NCDENR Asheville Regional Office
2090 US 70
Swannanoa, NC 28778

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

Dear Ms. Aja:

Attached is the completed Industrial Landfill Annual Report form for Duke Energy's Marshall Steam Station FGD Landfill (Permit No. 1809) for the past year (7/1/2013 – 6/30/2014).

The landfill only accepted waste from Duke Energy's Marshall Steam Station. A total of approximately 358,612 tons of waste was received by the landfill during the most recent twelve month period. Since the landfill went into operation and through the most recent survey on April 17, 2014, approximately 569,309 cubic yards and 739,012.56 tons of waste have been disposed 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 is sent a copy of the Annual Report. Therefore, a copy of this Annual Report is being provided to the County Manager for Catawba County.

If there are any questions regarding this report feel free to contact me at (336) 215-4576.

Sincerely,

Kimberlee Hutchinson, PE
Environmental Services

Cc: George Tolbert, Duke Energy - Marshall Steam Station
Mr. J. Thomas Lundy, Catawba County - County Manager
Catawba County Government
100 A South West Blvd.
Newton, NC 28658-0389