

TNB 8.14.12

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: McGuire Nuclear Station - Duke Energy Carolinas, LLC Permit: 6004-INDUS-1981 ID: P0100

Facility Website (URL): http://www.duke-energy.com/power-plants/nuclear/mcguire.asp

Physical Address	Mailing Address
Street 1: <u>12700 Hagers Ferry Road</u>	Street 1: <u>12700 Hagers Ferry Road</u>
Street 2: _____	Street 2: _____
City: <u>Huntersville</u> County: <u>Mecklenburg</u>	City: <u>Huntersville</u>
State: <u>North Carolina</u> Zip: <u>28078-8985</u>	State: <u>North Carolina</u> Zip: <u>28078-8985</u>

Primary Facility Contact Person	Billing Contact Person
Name: <u>Robert C. Sapp</u>	Name: <u>Dwight Little</u>
Phone: <u>(980) 875-4675</u> Fax: <u>(980) 875-4627</u>	Phone: <u>(704) 382-6083</u> Fax: <u>(704) 382-6240</u>
Email: <u>Robert.Sapp@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): Non-hazardous expired chemical/spill clean up materials and s
- Landfilling of construction and demolition waste
- Landfilling of asbestos
- Landfilling of ash
- Landfilling of sludge
- Landfilling of other waste (specify): _____

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 McGuire Nuclear 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: <u>05/22/2012</u>
	5. Airspace Used (cubic yards): <u>52,024</u>
	6. Total Tons Disposed in Airspace Used (tons): <u>41,600</u>

7. Total waste landfilled at this facility during the period of July 1, 2011, through June 30, 2012. Indicate tonnage received by COUNTY of waste origin. DO NOT include waste diverted for recycling, reuse, mulching, or composting. Please list ALL counties from which you received waste. Please indicate COUNTY and STATE, if received from another state.

Received from	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
Alamance, NC	11.86	20.88	0	0	0	8	3.23	0.5	0	0	10	0	54.47
Anderson, SC	10	7	10	30	0	0	0	0	0	0	0	0	57
Burke, NC	12.9	13.98	34	0.12	39.5	0	0.25	0	0	0	0	47	147.75
Cabarrus, NC	0	0	21.5	0	0	0	0	0	3	0	0	5.2	29.7
Caldwell, NC	0.05	0	0.05	0	0	0	0	0	0	0	0	0	0.1
Catawba, NC	1	15	5	0	0	2.4	0	64.4	2	7	3	0	99.8
Cherokee, SC	0	54	35.56	30	28.84	0	0	0	5	0	0	90	243.4
Cherokee, NC	0	6	0	0	0	0	0	0	18	0	0	4	28
Chester, SC	6	0	0	0	0	0	34	0	0	0	0	0	40
Cleveland, NC	0.25	0	0	0	0	0	0	0	0	0	15.25	0	15.5
Davie, NC	0	0	0	0	0	0	0	0	0	0	0	1.9	1.9
Durham, NC	1.65	2.5	0	0	0	0	5.5	6.5	66.27	11	5	40.5	138.92
Forsyth, NC	10	0	0	0	3.12	0	0	3	18.43	0	0	0	34.55
Gaston, NC	4	92.5	2.25	1.66	3	0	0	0	17.47	0	0	0	120.88
Graham, NC	12	0	0	5	0	0	0	0	0	0	0	0	17
Greenville, SC	4.5	0	0	0	53.5	5.5	6	0	0	112	2.5	0	184
Greenwood, SC	0	0	0	0	0	0	0	0	0	0	0	2.5	2.5
Guilford, NC	56.06	59.06	121.32	47.23	0	20.6	17	52.72	1.5	166.26	21	0	562.75
Henderson, NC	0.5	0	0	5.81	15.91	11.5	0	23	0	0	0	0	56.72
Iredell, NC	6.75	25	0.3	0	11	0	0	0	0	0	0.45	0	43.5
Jackson, NC	2.5	0	1	0	0	17.5	6	0	0	0	7	0	34
Kershaw, SC	0	0	0	0	0	0	0	0	0	0	0	2.5	2.5
Lincoln, NC	0	0	0	1.95	26.5	0	0	0	0	0	2.5	0	30.95
McDowell, NC	0	0	0	0	0	0	0	0	0	0	4	2	6

Grand Total 1,951.89

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

Total: 3,269.43
(with Page 2)

If so, please report the date this occurred: _____

REMINDER: According to (G.S. 130A-309.09D(b)), this report must be sent to the Regional Environmental Senior Specialist for your area and a copy of this report must be sent to the County Manager of each county from which waste was received.

Please return your completed report to:

Teresa Bradford
610 East Center Avenue
Mooresville, NC 28115
phone: 704.235.2160 email: Teresa.Bradford@ncdenr.gov

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: Sean DeNeale

Date: Aug 1, 2012

Name: Sean DeNeale

Title: Engineer I

Phone Number: (704) 382-4761

Email: Sean.DeNeale@duke-energy.com

Facility Name: McGuire Nuclear Station - Duke Energy Carolinas, LLC

Permit: 6004-INDUS-1981

Address: 12700 Hagers Ferry Road

City: Huntersville

State: North Carolina

Zip: 28078-8985

Person completing Assessment: Sean DeNeale

Date: Aug 1, 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? 9
 What are the three closest distances from the *Edge of Waste*? 270 Feet 580 Feet 860 Feet
2. Are there Potable Wells Within 1,500 feet of the Edge of Waste? Yes No
 If Yes, how many? 9
 What are the three closest distances from the *Edge of Waste*? 270 Feet 580 Feet 860 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? _____

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

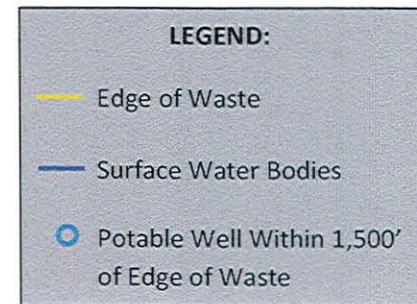
*Airspace/tonnage information on Page 1 is provided for the entire life of the landfill until the most recent survey on May 22, 2012. For the period of July 1, 2011 to June 30, 2012, approximately 1,830 cubic yards and approximately 3,269 tons were added.

**The risk assessment form was verified by Robert Sapp.



Duke Energy – McGuire Nuclear Station Industrial Landfill

Permit: 6004-INDUS-1981





526 South Church St.
Charlotte, NC 28202

Mailing Address:
PO Box 1006
Mail Code EC13K
Charlotte, NC 28201-1006

704-382-4761

704-382-6240 fax

August 1, 2012

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Mooresville Regional Office
610 East Center Avenue
Mooresville, NC 28115



ATTENTION: Teresa Bradford

SUBJECT: Duke Energy – McGuire Nuclear Station
Permit Number 60-04
Industrial Waste Landfill Annual Report

Dear Ms. Bradford:

Following submittal of the 2011-2012 Facility Annual Report for Duke Energy's McGuire Nuclear Station Landfill (permit number 60-04) on July 25, 2012, a minor error was determined. A waste manifest for the month of November 2011 summarizing 26.29 tons of disposed material was incorrectly identified as originating from Cherokee County, NC. That waste truly originated from Cherokee County, SC. Therefore, the November 2011 tonnage (and total tonnage) was truly 26.29 tons less than the July 25 submittal indicated for Cherokee County, NC and 26.29 tons more than the July 25 submittal indicated for Cherokee County, SC. The true tonnage information is accurately updated in the following report.

I apologize for any confusion this may cause. Please regard the attached, August 1, 2012 report as official and accurate. 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: Mr. Bruce Gledhill
Mecklenburg County – Solid Waste Management Director
700 North Tryon Street
Charlotte, NC 28202



526 South Church St.
Charlotte, NC 28202

Mailing Address:
PO Box 1006
Mail Code EC13K
Charlotte, NC 28201-1006

704-382-4761

704-382-6240 fax

August 1, 2012

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Mooresville Regional Office
610 East Center Avenue
Mooresville, NC 28115

ATTENTION: Teresa Bradford

SUBJECT: Duke Energy – McGuire Nuclear Station
Permit Number 60-04
Industrial Waste Landfill Annual Report

Dear Ms. Bradford:

Attached are the completed Industrial Landfill Annual Report forms for Duke Energy's McGuire Nuclear Station Landfill (permit number 60-04) for the past year (7/1/2011 – 6/30/2012).

The landfill currently accepts waste from Duke Energy facilities within the service area in the Piedmont Carolinas. A total of approximately 3,270 tons of waste was taken to the landfill during the most recent twelve month period. Since July 30, 1992, approximately 52,024 cubic yards of waste has been disposed of in the landfill.

As required by G.S. 130A-309.09D(b), County Managers for the 40 counties that generated waste for disposal to this landfill were sent copies of the Annual Report.

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: Mr. Bruce Gledhill
Mecklenburg County – Solid Waste Management Director
700 North Tryon Street
Charlotte, NC 28202