



State of North Carolina
 Department of Environment and Natural Resources
 Division of Waste Management

INDUSTRIAL WASTE LANDFILL
 Facility Annual Report
 For the period of **July 1, 2012-June 30, 2013**

According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2013 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

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>John Williamson</u>		Name: <u>Sean DeNeale</u>	
Phone: <u>(980) 875-5894</u> Fax: <u>(980) 875-4627</u>		Phone: <u>(704) 382-4761</u> Fax: <u>(704) 382-6240</u>	
Email: <u>John.Williamson@duke-energy.com</u>		Email: <u>Sean.DeNeale@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 soil
- 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.

<p>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.</p>	4. Date Facility Last Surveyed: <u>05/21/2013</u>
	5. Airspace Used (cubic yards): <u>52,760</u>
	6. Total Tons Disposed in Airspace Used (tons): <u>45,976.57</u>

7. Total waste landfilled at this facility during the period of July 1, 2012, through June 30, 2013. 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
Abbeville, SC	21	0	0	0	0	0	0	0	0	5.5	0	0	26.5
Alamance	38.5	0	2	5	0	4.5	0	0	125	0	0	6	181
Alexander	0	0	0	2.5	0	0	4.5	0	0	0	0	39.5	46.5
Anderson, SC	85.26	18	0	15	0	0	0	0	15	9.25	14.5	0	157.01
Burke	0	36	0	0	0	0	0	1	0	0	0	0.2	37.2
Cabarrus	0	0	1	6.5	0	0	0	0	0	0	5	0	12.5
Caldwell	0.1	0.1	0	0	0	30.75	0	2.6	2	0	0	10.3	45.85
Catawba	2.9	20.5	0	0	5	0	0	0	0	10.5	0	0	38.9
Cherokee, SC	5.25	0	0	0	0	0	21.5	0	0	7.99	0	0	34.74
Cherokee, NC	0	0	0	0	0	0	0	3	0	0	0	0	3
Chester, SC	0	0	0	0	0	0	0	0	3	0	1	0	4
Cleveland	10	0	0	0	0	0	0	0	0	0	0	0	10
Davie	0	0	5	0	92.5	1.5	0	0	0	0	0	0	99
Durham	35.25	0	0	25	0	25	0	0	0	0	0	49.65	134.9
Forsyth	0	0	0	4	0	0	0	0	0	44.41	0	40.5	88.91
Gaston	4.6	5	0	23.5	32.25	0	0	1.9	0	73.25	1.5	18.75	160.75
Greenville, SC	12	10	20	3.5	10	13.75	10	0	0	10.42	5	1	95.67
Greenwood, SC	3	0	0	0	0	0	0	0	0	0	0	0	3
Guilford	120.13	0	18	34	0	7	30.98	63.42	0	26	0	8	307.53
Henderson	0	0	5	0	0	0	0	8	0	4	0	0	17
Iredell	0	0	2.5	0.19	0	0	0	0	0.43	0	0	0	3.12
Jackson	0	0	0	1	0	0	0	0	10	5.5	0	0	16.5
Lancaster, SC	0	0	0	0	0	0	9	8	0	0	0	0	17
Lincoln	7	0	0.05	0	0	0	0	0	0	0	0	2	9.05

Grand Total 1,549.63

8. Did your facility stop receiving waste during this past Fiscal Year? Yes No Total (w/ Part 2) = 5,051.13
 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: Jul 24, 2013

Name: Sean DeNeale Title: Engineer II

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: _____

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

*Waste streams identified on Page 1, Question 2 reflect disposal activities that occurred at this facility from July 1, 2012 through June 30, 2013.

Duke Energy – McGuire Nuclear Station Industrial Landfill

Permit: 6004-INDUS-1981



LEGEND:

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



526 South Church Street
Charlotte, NC 28202

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

704 382 4761

704 382 6240 fax

July 24, 2013

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 Mrs. 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 (7/1/2012 – 6/30/2013).

The landfill currently accepts waste from Duke Energy facilities within its Carolinas service territory. A total of approximately 5,051 tons of waste was taken to the landfill during the most recent twelve month period. Since operation, approximately 52,760 cubic yards and 45,977 tons of waste have 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 must be sent a copy of the Annual Report. Therefore, County Managers for the 44 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,

Steven D. Capps
McGuire Nuclear Station
Site Vice President

c: Bruce Gledhill – Solid Waste Management Director, Mecklenburg County, NC
Bruce Cooley – County Manager, Abbeville County, SC
Craig Honeycutt – County Manager, Alamance County, NC
Rick French – County Manager, Alexander County, NC
Rusty Burns – County Manager, Anderson County, SC
Bryan Steen – County Manager, Burke County, NC
Mike Downs – County Manager, Cabarrus County, NC
Stan Kiser – County Manager, Caldwell County, NC
J. Thomas Lundy – County Manager, Catawba County, NC
Randy Wiggins – County Manager, Cherokee County, NC
Ben Clary – County Manager, Cherokee County, SC
R. Carlisle Roddey – County Manager, Chester County, SC
David Dear – County Manager, Cleveland County, NC
Beth Dirks – County Manager, Davie County, NC
Mike Ruffin – County Manager, Durham County, NC
J. Dudley Watts, Jr. – County Manager, Forsyth County, NC
Jan Winters – County Manager, Gaston County, NC
Joseph Kernell – County Manager, Greenville County, SC
Toby Chappell – County Manager, Greenwood County, SC
Marty Lawing – County Manager, Guilford County, NC
Steve Wyatt – County Manager, Henderson County, NC
Ron Smith – County Manager, Iredell County, NC
Chuck Wooten – County Manager, Jackson County, NC
Steve Willis – County Manager, Lancaster County, SC
George A. Wood – County Manager, Lincoln County, NC
Charles Abernathy – County Manager, McDowell County, NC
Bobbie Shields – County Manager, Mecklenburg County, NC
Wayne Adams – County Manager, Newberry County, SC
Scott Moulder – County Manager, Oconee County, SC
Frank Clifton – County Manager, Orange County, NC
J. Chappell Hurst – County Manager, Pickens County, SC
Richard T. Wells – County Manager, Randolph County, NC
Lance L. Metzler – County Manager, Rockingham County, NC
Gary Page – County Manager, Rowan County, NC
Carl Classen – County Manager, Rutherford County, NC
Katherine L. Hubbard – County Manager, Spartanburg County, SC
Andy Lucas – County Manager, Stanly County, NC
Rick Morris – County Manager, Stokes County, NC
Chris Knopf – County Manager, Surry County, NC
Kevin King – County Manager, Swain County, NC
Cynthia Coto – County Manager, Union County, NC
Tommy Sinclair – County Manager, Union County, SC
John Yates – County Manager, Wilkes County, NC
Aaron Church – County Manager, Yadkin County, NC
Anna Moore – County Manager, York County, SC
John Williamson – McGuire Nuclear Station