



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 31, 2015

Ms. Shawn McKee
1646 Mail Service Center
Raleigh, NC 27699-1646

SUBJECT: Duke Energy – Allen Steam Station
Permit Number 3612-INDUS-2008
Industrial Waste Landfill Annual Report

Dear Ms. McKee:

Attached is the completed Industrial Landfill Annual Report form for Duke Energy's Allen Steam Station Retired Ash Basin (RAB) Ash Landfill (Permit No. 36-12) for the past year (7/1/2014 to 6/30/2015).

The landfill only accepts waste from Duke Energy's Allen Steam Station. A total of approximately 144,791 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 1, 2015, approximately 966,651 cubic yards and 1,092,682 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 must be sent a copy of the Annual Report. Therefore, a copy of this Annual Report is provided to the County Manager for Gaston County.

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

Sincerely,

A handwritten signature in black ink that reads "Sean DeNeale". The signature is written in a cursive, flowing style.

Sean DeNeale, Engineer II
Environmental Services

Attachments

Electronic cc: Earl Mathers – Gaston County, NC
Randy Gantt – Duke Energy Corporation
Scott Harris – Duke Energy Corporation



According to (G.S. 130A-309.09D(b)) completed forms must be returned by August 1, 2015 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 - Allen Steam Station RAB Ash Landfill

Permit: 3612-INDUS-2008

Physical Address		Mailing Address	
Street 1: <u>253 Plant Allen Road</u>		Street 1: <u>253 Plant Allen Road</u>	
Street 2: _____		Street 2: _____	
City: <u>Belmont</u>	County: <u>Gaston</u>	City: <u>Belmont</u>	
State: <u>North Carolina</u>	Zip: <u>28012</u>	State: <u>North Carolina</u>	Zip: <u>28012</u>
Primary Facility Contact Person		Billing Contact Person	
Name: <u>Michael Randy Gantt</u>		Name: <u>Sean DeNeale</u>	
Phone: <u>(704) 829-2587</u>	Fax: <u>(704) 829-2385</u>	Phone: <u>(704) 382-4731</u>	Fax: <u>(704) 382-6240</u>
Email: <u>Michael.Gantt@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. 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): Bottom Ash, Fly Ash, FGD Clarifier Sludge, Gypsum
- 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 the Allen 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: <u>4/1/2015</u>
	6. Airspace Used (cubic yards): <u>966,651.3</u>
	7. Total Tons Disposed in Airspace Used (tons): <u>1,092,682</u>

Facility Name: Duke Energy - Allen Steam Station RAB Ash Landfill Permit: 3612-INDUS-2008

Address: 253 Plant Allen Road

City: Belmont State: North Carolina Zip: 28012

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? _____
 What are the three closest distances from the *Edge of Waste*? _____ Feet _____ Feet _____ Feet
2. Are there Potable 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
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? 1 _____
 What are the three closest distances from the *Edge of Waste*? 290 Feet _____ Feet _____ Feet
 Please list the names of the water bodies: Lake Wylie (South Fork of the Catawba River)
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? UST related groundwater remediation at plant site

Comments

*Waste streams identified on Page 1, Question 3 reflect disposal activities that occurred at this facility from July 1, 2014 through June 30, 2015.

Duke Energy – Allen Steam Station RAB Ash Landfill

Permit: 3612-INDUS-2008



LEGEND:

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