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July 24, 2015

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

Subject: Duke Energy Progress – Roxboro Steam Electric Plant
Permit Number 7302-INDUS
Industrial Waste Landfill
Industrial Waste Landfill Annual Report

Dear Ms. McKee:

Attached is the completed Industrial Waste Landfill Annual Report form for Duke Energy Progress's Roxboro Steam Electric Plant Industrial Waste Landfill (Permit No. 7302) for the past year (7/1/2014 – 6/30/2015).

The landfill accepted waste from Duke Energy Progress's Roxboro Steam Electric Plant and Mayo Steam Electric Plant. A total of approximately 506,638 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 5,640,723.3 cubic yards and 5,530,441 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 Person County.

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

Sincerely,

Digitally signed by Kimberlee Hutchinson
DN: cn=Kimberlee Hutchinson, o=Duke Energy,
ou=Environmental Services,
email=kim.hutchinson@duke-energy.com, c=US
Date: 2015.07.24 21:18:32 -04'00'

Kimberlee Hutchinson, PE
Environmental Services

Att: Duke Energy Roxboro Landfill Facility Annual Report
Duke Energy Roxboro Landfill Facility Annual Risk Assessment with Figure

Cc: Rob Miller, Duke Energy - Roxboro Steam Electric Plant
Robert Howard, Duke Energy - Roxboro Steam Electric Plant
Ms. Heidi York, Person County - County Manager
Person County Manager's Office
304 S. Morgan Street
Roxboro, NC 27573

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 Progress - Roxboro Steam Electric Plant Industrial Waste Landfill Permit: 7302-INDUS

Physical Address	Mailing Address
Street 1: <u>1700 Dunnaway Road</u>	Street 1: <u>526 South Church Street</u>
Street 2: _____	Street 2: _____
City: <u>Semora</u> County: <u>Person</u>	City: <u>Charlotte</u>
State: <u>North Carolina</u> Zip: <u>27343</u>	State: <u>North Carolina</u> Zip: <u>28202</u>
Primary Facility Contact Person	Billing Contact Person
Name: <u>Kimberlee Hutchinson</u>	Name: <u>Kimberlee Hutchinson</u>
Phone: <u>(336) 215-4576</u> Fax: <u>(336) 445-0423</u>	Phone: <u>(336) 445-0746</u> Fax: <u>(336) 445-0423</u>
Email: <u>kim.hutchinson@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): Bottom Ash, Fly Ash, 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 Roxboro Plant 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>5,640,723.3</u>
	7. Total Tons Disposed in Airspace Used (tons): <u>5,530,440.97</u>

Facility Name: Duke Energy Progress - Roxboro Steam Electric Plant Industrial Waste Landfill Permit: 7302-INDUS

Address: 1700 Dunnaway Road

City: Semora State: North Carolina Zip: 27343

Person completing Assessment: Kimberlee Hutchinson Date: Jul 24, 2015

Phone Number: (336) 215-4576 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? _____
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? _____
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

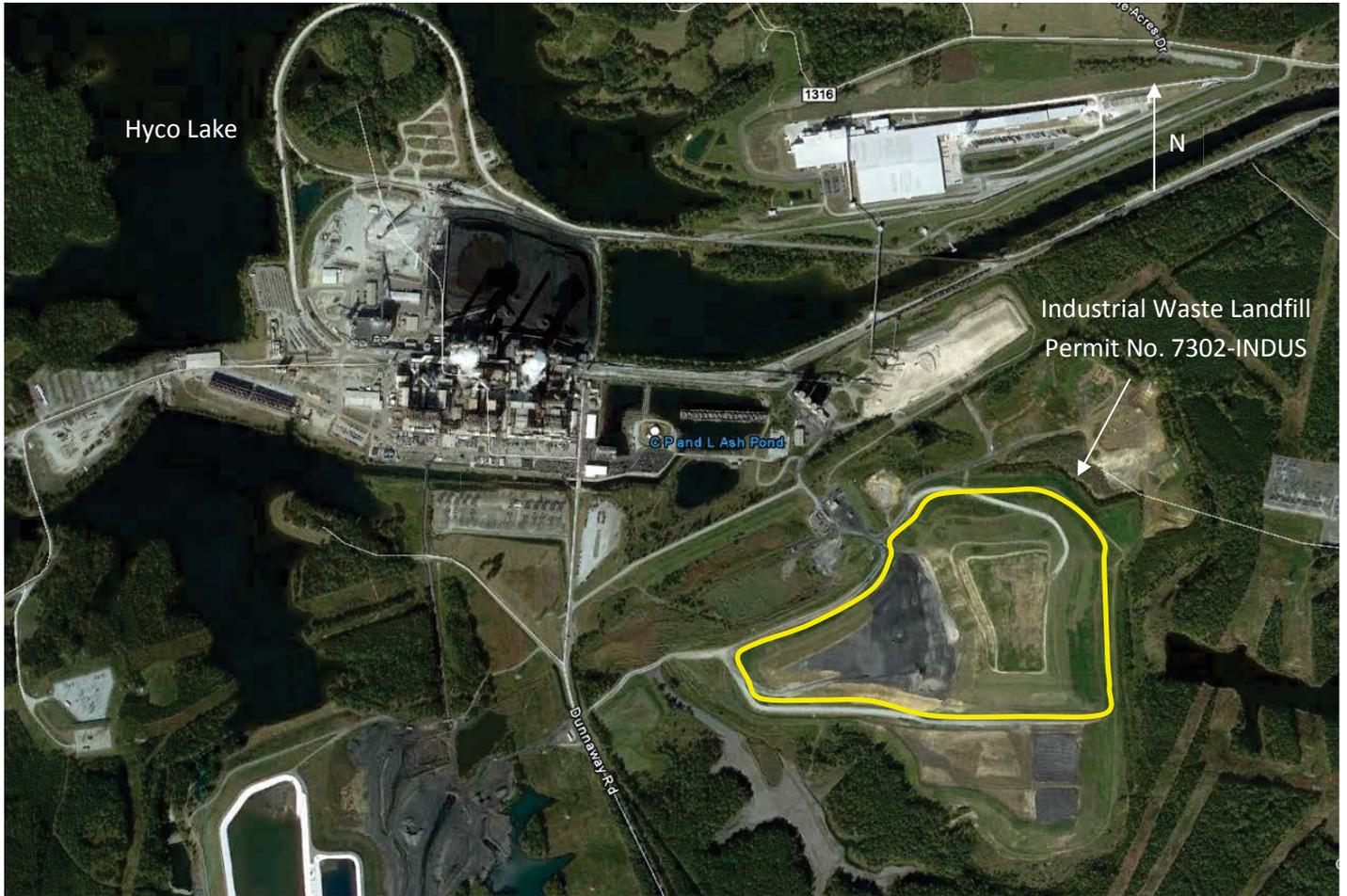
- 6. Is there an active methane extraction system (blower, flare, etc.)? Yes No
- 7. Is there a passive methane extraction system (trench, vents in cap, flare, etc.)? Yes No
- 8. Is there groundwater remediation taking place on site? Yes No
If Yes, what is the specific remedial technology used? _____

Comments

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

Duke Energy Progress – Roxboro Industrial Waste Landfill

Permit: 7302-INDUS



LEGEND:

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