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March 7, 2014

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

Subject: Duke Energy – Marshall Steam Station  
Permit Number 1812-INDUS  
Industrial Landfill No. 1  
Industrial Waste Landfill Annual Report

Dear Ms. Aja,

Attached you will find a revision to the 2012-2013 Risk Assessment Form for the Duke Energy Marshall Steam Station Industrial Landfill No. 1 (Solid Waste Permit No. 1812).

This form has been revised to represent the accurate distance of the three closest Potable Wells from the Edge of Waste (Item 2). The original submittal of this form dated July 24, 2013 listed the closest Potable Well at 460'. Review of the County records and field assessment have confirmed that aforementioned residence previously listed as having a Potable Well is on City Water. The closest Potable Well is located approximately 600' from the Edge of Waste.

If there are any questions regarding this revision feel free to contact me at (336) 215-4576 or email at [kim.hutchinson@duke-energy.com](mailto:kim.hutchinson@duke-energy.com).

Sincerely,

A handwritten signature in blue ink that reads "Kimberlee Hutchinson".

Kimberlee Hutchinson, PE  
*Environmental Services*

Cc: George Tolbert, Duke Energy

Attachment: Risk Assessment Form

Facility Name: Duke Energy Corp - Marshall Steam Station Industrial Landfill No. 1 Permit: 1812-INDUS

Address: 8320 East NC Highway 150

City: Terrell State: North Carolina Zip: 28682

Person completing Assessment: Kimberlee Hutchinson Date: Mar 7, 2014

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? 6  
 What are the three closest distances from the *Edge of Waste*? 580 Feet 770 Feet 1170 Feet
2. Are there Potable Wells 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*? 600 Feet 850 Feet 1000 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*? 750 Feet \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
 Please list the names of the water bodies: Unnamed tributary
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? 1

**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.