



North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

August 12, 2014

**CERTIFIED MAIL 7002 0860 0006 5836 0328**  
**RETURN RECEIPT REQUESTED**

Allen Stowe  
Duke Energy  
526 South Church Street  
Charlotte, NC 28202

Subject: NPDES Wastewater Permit Application  
Permit **NC0004961**  
Additional Information Request  
Riverbend Steam Station, Gaston County

Dear Mr. Stowe:

The Division of Water Resources (Division) has reviewed your application for the renewal of the subject permit. The Division requests additional information that is necessary to process the permit renewal application. The Division's current understanding is that Duke Energy is planning to remove the Coal Combustion Residuals (CCR) from this site. This process would require the establishment of a location where excavated CCR will be dewatered prior to being loaded on trucks or rail cars. The Division is required to evaluate the water quality impacts of the water that will be drained from the CCR on the receiving stream and also establish an outfall for this new wastewater source. Therefore, the Division requests the following information:

- 1) Location of the loading/dewatering site
- 2) Projected volume of ash that will be processed through this site
- 3) Projected volume of wastewater generated on this site
- 4) Chemical characterization of the wastewater generated on this site. The wastewater should be analyzed for the following parameters: Cl, F, SO<sub>4</sub>, Hg (Method 1631E), Al, Ba, B, Fe, Mn, Zn, Sb, As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Tl, pH, TDS, TSS, Temperature, and Specific Conductance.
- 5) Location of the outfall for this wastewater, including latitude and longitude and topographic map. Alternatively, the facility can use the existing outfall 002 for the wastewater discharge. However, this new waste stream shall be sampled prior to its mixing with the existing flow in the concrete conveyance that is used for outfall 002.

If you have any questions about this request, please contact Sergei Chernikov at the following e-mail address: [sergei.chernikov@ncdenr.gov](mailto:sergei.chernikov@ncdenr.gov), or telephone number: 919-807-6386.

Sincerely,

Thomas A. Reeder  
Director, Division of Water Resources

cc: Jason Allen, Duke Energy  
NPDES Files  
EPA Region IV (e-copy)  
Winston-Salem Regional Office/Water Quality (e-copy)

1617 Mail Service Center, Raleigh, North Carolina 27699-1617  
Phone: 919-807-6300 \ Internet: [www.ncwaterquality.org](http://www.ncwaterquality.org)