

# North Carolina Department of Environmental Quality

Pat McCrory  
Governor

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Secretary

January 12, 2016

## MEMORANDUM

TO: ENVIRONMENTAL REVIEW COMMISSION  
The Honorable Jimmy Dixon, Co-Chairman  
The Honorable Chuck McGrady, Co-Chairman  
The Honorable Trudy Wade, Co-Chairman

FROM: Matthew Dockham  
Director of Legislative Affairs

SUBJECT: Quarterly Report on Operations, Activities, Programs and Progress Relating to  
Coal Combustion Residuals Surface Impoundments

DATE: January 12, 2016

Pursuant to S.L. 2014-122, Section 3(a), the Department shall submit quarterly written reports to the Environmental Review Commission and the Coal Ash Management Commission on its operations, activities, programs, and progress with respect to its obligations under this Part concerning all coal combustion residuals surface impoundments. The attached report satisfies this reporting requirement.

If you have any questions or need additional information, please contact me by phone at (919) 707-8618 or via e-mail at [matthew.dockham@ncdenr.gov](mailto:matthew.dockham@ncdenr.gov).

cc: Tom Reeder, Assistant Secretary for Environment, NCDEQ  
Tracy Davis, Director of Energy, Mineral, and Land Resources, NCDEQ  
Linda Culpepper, Director of Waste Management, NCDEQ  
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# **Quarterly Report to the Environmental Review Commission on Operations, Activities, Programs and Progress Relating to Coal Combustion Residuals Surface Impoundments**

## **December 30, 2015**

This report is submitted to meet the requirements of Senate Bill 729, Section 3(a) which requires quarterly reporting on DENR operations, activities, programs and progress relating to coal combustion residuals surface impoundments

This report is intended to provide an update on activities that have occurred since January 1, 2015.

For organizational purposes, the information contained within is divided into the following sections:

1. Coal Ash Tonnage in North Carolina
2. Groundwater-Related Activities
3. Surface Water Discharge-Related Activities
4. Ash Pond Closure-Related Activities
5. Dan River Sampling Update

Further information related to Duke Energy's GAP approval, drinking water surveys, NPDES permit modification and renewal, and other related issues can be found on DWR's webpage for coal ash-related information:

<http://portal.ncdenr.org/web/wq/hot-topics/coalashregulation>.

The website is regularly updated and includes a great deal of data and information on coal ash regulation and permitting, groundwater, surface water, beneficial reuse and information concerning the Dan River spill.

## **1. Coal Ash Tonnage in North Carolina**

Per the Duke Energy website, they provide an up-to-date inventory of the amounts of coal ash stored at each of their 14 facilities. The website is <https://www.duke-energy.com/pdfs/duke-energy-ash-metrics.pdf>. The following is a brief summary of the tonnage as reported on September 25, 2015:

Total Ash Inventory in Basins:	110,270,000 tons
Total Ash Inventory in Landfills:	26,500,000 tons
<u>Total Ash Inventory in Fills:</u>	<u>22,060,000 tons</u>
<b>Total Volume of Ash at all 14 Facilities:</b>	<b>158,830,000 tons</b>

## **2. Groundwater-Related Activities**

### Drinking Water Supply Well Survey

Sampling of the water supply wells within 1,000 feet of compliance boundaries began in January 2015. Sampling of the water supply wells within 1,500 feet began in April 2015. DWR has also sampled wells out to ½ mile from the facilities' compliance boundaries if a well owner expresses concern about their well quality and requests the sample. A full explanation of the procedures to be utilized in this sampling can be found at the following webpage: <http://portal.ncdenr.org/web/wq/water-test-resident-info>. To evaluate potential health concerns associated with the sample results, DWR submits the laboratory results to the Division of Public Health, Epidemiology Section, Occupational and Environmental Epidemiology Branch (OEEB) for a health risk evaluation (HRE). The laboratory results along with the HRE are then sent to the well owner. As of the date of this report, over 400 well owners were sent their results along with the health risk evaluation. This number includes well results sent to well owners for initial well tests and results sent to well owners who had their wells retested as per a recommendation from the OEEB.

In April 2015, DWR initiated a limited study of background concentrations of parameters near three coal ash facilities: Allen, Buck & Marshall. Areas were selected that were at least a mile from the facilities and are located within the same geologic units. Letters were sent in late April to selected well owners in these areas to ask if they would like their wells sampled as part of the study. DWR contracted with PACE Analytical Services, Inc. (Huntersville, NC) to perform the sampling. To evaluate potential health concerns associated with the sample results, DWR submitted the laboratory results to the OEEB for a HRE. A total of 24 wells were sampled and the results along with the HREs were sent to the well owners. In early November 2015, ten of these wells were resampled per recommendation from OEEB.

## Groundwater Assessment Plans (GAPs)

To date, conditional letters of approval for the 14 coal ash facilities have been sent to Duke Energy. All approvals have been finalized and sent to Duke Energy as of mid-March 2015. For each approved plan, the Coal Ash Management Act (CAMA) requires implementation within 10 days and a full report within 180 days from the approval date. Groundwater Assessment Reports are expected to be submitted to the Division starting in August 2015.

Additional information regarding the GAPs can be found at the following link:

[http://portal.ncdenr.org/web/wq//coal\\_ash\\_gw\\_assessment\\_plans](http://portal.ncdenr.org/web/wq//coal_ash_gw_assessment_plans)

The information presented at this link includes the revised GAPs submitted by Duke Energy for all 14 facilities, DWR's review letters for each plan, and 10-day Implementation Letters.

## Comprehensive Site Assessments

Conditional letters of approval for the 14 coal ash facilities were sent to Duke Energy in February and March of 2015. For each approved plan, CAMA requires implementation within 10 days and a full report within 180 days from the approval date. As of September 9, 2015, Duke has submitted comprehensive site assessment (CSA) reports for all 14 facilities. Per CAMA, corrective action plans are due no later than 90 days from the submittal of the CSA reports or a timeframe otherwise approved by DENR not to exceed 180 days from submission of the CSA reports. The CSA reports have been posted to the DENR website under:

[http://portal.ncdenr.org/web/guest/coalashnews/-/blogs/denr-posts-groundwater-assessment-reports-for-three-duke-energy-facilities? 33 redirect=%2Fweb%2Fguest%2Fcoalashnews](http://portal.ncdenr.org/web/guest/coalashnews/-/blogs/denr-posts-groundwater-assessment-reports-for-three-duke-energy-facilities?_33_redirect=%2Fweb%2Fguest%2Fcoalashnews)

## Corrective Action Plans

Per an agreement between DEQ and Duke Energy on October 9, 2015, the corrective action plans (CAPs) for all 14 facilities will be submitted in two parts. Part 1 will be submitted per CAMA requirements 90 days after submittal of the CSA report. Part 2 will then be submitted 90 days after submittal of Part 1. Part 1 of the CAP reports include:

- background information,
- a brief summary of the CSA findings,
- a brief description of the site geology and hydrogeology,
- a summary of the previous completed receptor survey,
- a description of 15A NCAC 02L and 15A NCAC 02B standards exceedances,
- proposed site-specific groundwater background concentrations,
- a detailed description of the site conceptual model; and
- groundwater flow and transport modeling.

Part 2 of the CAP reports will include:

- a risk assessment,
- alternative methods for achieving restoration,
- conceptual plans for recommended corrective actions,
- an implementation schedule, and
- a plan for future monitoring and reporting

As of December 8, 2015, Duke Energy has submitted Part 1 of the CAP reports for all 14 facilities. Part 2 of the CAP reports will be submitted beginning February 2016.

Duke Energy has also submitted accelerated remediation plans for the Asheville Plant, Belews Creek Plant, H. F. Lee Plant, and Sutton Plant.

### Prioritization of Facilities

According to CAMA, the DEQ must classify the coal combustion residuals surface impoundment (CCR impoundments) at each of Duke Energy's fourteen (14) coal ash facilities. The CCR impoundments include both active and inactive basins. CAMA general statute 130A-309.213(a) states:

*"As soon as practicable, but no later than December 31, 2015, the Department shall develop proposed classifications for all coal combustion residuals surface impoundments, including active and retired sites, for the purpose of closure and remediation based on these sites' risks to public health, safety, and welfare; the environment; and natural resources and shall determine a schedule for closure and required remediation that is based on the degree of risk to public health, safety, and welfare; the environment; and natural resources posed by the impoundments and that gives priority to the closure and required remediation of impoundments that pose the greatest risk..."*

In evaluating and assessing the risks for each CCR impoundment, CAMA General Statute 130A-309.213(a) lists the following criteria for consideration:

- (1) *Any hazards to public health, safety, or welfare resulting from the impoundment.*
- (2) *The structural condition and hazard potential of the impoundment.*
- (3) *The proximity of surface waters to the impoundment and whether any surface waters are contaminated or threatened by contamination as a result of the impoundment.*
- (4) *Information concerning the horizontal and vertical extent of soil and groundwater contamination for all contaminants confirmed to be present in groundwater in exceedance of groundwater quality standards and all significant factors affecting contaminant transport.*
- (5) *The location and nature of all receptors and significant exposure pathways.*
- (6) *The geological and hydrogeological features influencing the movement and chemical and physical character of the contaminants.*
- (7) *The amount and characteristics of coal combustion residuals in the impoundment.*
- (8) *Whether the impoundment is located within an area subject to a 100-year flood.*
- (9) *Any other factor the Department deems relevant to establishment of risk.*

According to General Statute 130A-309.213(b), there are three possible classifications for CCR impoundments: high risk, intermediate risk, and low risk. A CCR impoundment that is classified as high risk must be closed as soon as practicable, but no later than December 31, 2019. Two options are given in how the impoundment must be closed, with details given in General Statute 130A-309.214(a)(1). Intermediate-risk CCR impoundments must be closed as soon as practicable, but no later than December 31, 2024 and must be in accordance with General Statute 130A-309.214(a)(2). Low-risk CCR impoundments must be closed as soon as practicable, but no later than December 31, 2029 and must be in accordance with General Statute 130A-309.214(a)(3).

According to General Statute 130A-309.231 Section 3(b), the CCR impoundments at the following facilities are deemed high priority and therefore it is not necessary for DEQ to classify them based on risk:

- CCR impoundments located at the Dan River Steam Station, owned and operated by Duke Energy Progress, and located in Rockingham County.
- CCR impoundments located at the Riverbend Steam Station, owned and operated by Duke Energy Carolinas, and located in Gaston County.
- CCR impoundments located at the Asheville Steam Electric Generating Plant, owned and operated by Duke Energy Progress, and located in Buncombe County.
- CCR impoundments located at the Sutton Plant, owned and operated by Duke Energy Progress, and located in New Hanover County.

In order to efficiently evaluate each CCR impoundment based on the nine criteria set forth in General Statute 130A-309.213, DEQ formed a risk classification group. This group was divided into three subgroups based on areas of expertise: groundwater, surface water, and dam safety. The subgroups then each developed a set of factors that would satisfy the nine criteria presented under General Statute 130A-309.213(a). These factors were then applied to each CCR impoundment to determine an overall risk classification ranking.

The workgroup is currently preparing the proposed classifications that are due no later than December 31, 2015 according to general statute 130A-309.213(a).

#### Groundwater Protection and Restoration Report Summaries (for 2014)

All 14 reports were submitted on January 30, 2015. Each report has the following identical sections:

- Section 1.0 – Introduction
- Section 2.0 – Site Background
  - The reports give a brief history of the site operations.
- Section 3.0 – Groundwater Monitoring Summary
  - The reports summarize the concentrations detected above the groundwater quality standards.

- Section 4.0 – Groundwater Protection and Restoration Summary
  - The reports state that each facility contracted with an environmental consultant and began preliminary assessment activities in anticipation of the Groundwater Assessment Plan approvals.
- Section 5.0 – Groundwater Assessment Plan Status
  - At the time the reports were submitted, the Groundwater Assessment Plan reviews by DWR were still in progress.
- Section 6.0 – Groundwater Assessment Report Status
  - The reports state that Groundwater Assessment Reports will be submitted 180 days after approval of the Groundwater Assessment Plans
- Section 7.0 – Groundwater Corrective Action Plan Status
  - The reports state that the Groundwater Corrective Action Plans will be submitted 90 days after the submittal of the Groundwater Assessment Plans
- Section 8.0 – Drinking Water Supply Well Status
  - The reports indicate the Drinking Water Supply Well receptor surveys were completed and submitted to the DWR.

The reports contain two figures (one site location and one overall site map with compliance well locations) and two tables (one groundwater monitoring requirements from the groundwater monitoring plan and one well construction table). All 14 reports appear to meet the requirements of the Coal Ash Management Act G.S. 13A-309-209(d).

#### Other Groundwater-Related Activities:

In February, 2015, DWR Staff from the Central Office and Mooresville Regional Office, along with staff from the Division of Waste Management, visited the Duke Energy Marshall, Allen, Riverbend, and Buck Plants to review site conditions related to groundwater assessments and other related documents required by the Coal Ash Management Act.

On February 25, 2015, per EO 62, a Notice of Violation was sent to the Asheville Plant (NPDES Permit NC0000396) for exceedances of the 15A NCAC 02L .0202 Groundwater Quality Standards in Duke's groundwater compliance wells.

On March 10, 2015, a Civil Penalty Assessment of \$25,100,000 was levied against Duke Energy for groundwater contamination at the Sutton facility (background: on August 26, 2014, a Notice of Violations had been sent to the L.V. Sutton Electric Plant in August of 2014 for exceedances of the 15A NCAC 02L .0202 Groundwater Quality Standards in their groundwater compliance wells). On September 25, 2015, Duke Energy and DEQ entered into a settlement agreement over the civil penalty.

On June 9, 2015, DENR sent Duke Energy a Notice of Regulatory Requirements (NORR) for increased levels of boron detected in off-site private water supply wells near the Sutton facility in Wilmington. The NORR directed Duke Energy to take immediate action to control and prevent further migration of coal ash contaminants and ensure the protection of the existing water supply wells. On July 9, 2015, Duke Energy submitted a response to the NORR and included a Groundwater Mitigation and Monitoring Plan.

On August 18-19, 2015, staff from the DWR and Division of Waste Management participated in a *“Introduction to Metals Groundwater Geochemistry”* class hosted by Bill Deutsch, a groundwater geochemist with over 30 years experience. The class was specifically tailored to the metals contamination resulting from coal ash ponds.

### **3. Surface Water Discharge-Related Activities**

#### Discharge Assessment Plans

On December 31, 2014, Duke Energy submitted Discharge Assessment Plans. Duke identified all unauthorized discharges, or seeps, and sampled them. Seep locations and analytical results were summarized in the Discharge Assessment Plans for all 14 coal ash facilities. DWR sent a letter to Duke on January 12, 2015 requesting that changes be made to the plans for identification of new discharges. Duke Energy submitted a revised plan for the Buck steam station on March 12, 2015 as a model to determine if the changes had been made to DWR’s satisfaction before proceeding with plans for the other facilities.

#### Duke Energy Surface Water Protection and Restoration Report Summaries

Duke Energy submitted two separate Surface Water Protection and Restoration Reports for calendar year 2014. One report addressed the Duke Energy Carolinas, LLC ash basins, while the second covered the Duke Energy Progress, Inc. ash basins. Both reports were received by DENR on January 30, 2015.

The Duke Energy Carolinas, LLC Ash Basins 2014 Surface Water Protection and Restoration Report contains the following sections:

- Section 1 – Introduction
- Section 2 – Site Background
  - The report contains site background summaries for seven electricity-generating facilities, including locations, histories, and processes for power generating plants and their associated ash basins. The facilities described are:
    - 2.1 Allen Steam Station
    - 2.2 Belews Creek Steam Station
    - 2.3 Buck Combined Cycle Station
    - 2.4 Cliffside Steam Station
    - 2.5 Dan River Combined Cycle Station
    - 2.6 Marshall Steam Station
    - 2.7 Riverbend Steam Station
- Section 3 – Surface Water Sampling Summary
  - This section summarizes the aspects of monitoring performed during 2014 at the seven facilities listed above including: water quality, water chemistry, fish tissue and sediment for trace elements and biological indicators, pursuant to the terms of each facility’s NPDES permit, as well as in response to the Coal Ash Management Act (CAMA).
- Section 4 – Surface Water Protection and Restoration Summary



- This section includes:
  - A list of documents submitted during 2014 in order to comply with the CAMA requirements
  - A list of near-term CAMA commitments
  - A list of long-term CAMA commitments
  - A statement on Duke Energy's ash impoundment closure strategy
- Section 5 – Discharge Identification Status
  - This section describes in general terms the content of Discharge Identification Plans submitted for the seven facilities noted in Section 2. The plans for each of the seven sites were submitted on September 30, 2014.
  - This section also includes a brief summary of Duke Energy's identification and response to the February 2, 2014 release of coal ash from the broken pipe at the Dan River Station.
- Section 6 – Discharge Assessment Status
  - This section states that topographic maps depicting all engineered discharges and discharges not captured by engineered channels for coal combustion residuals impoundments, along with their associated Discharge Assessment Plans, were submitted for the seven facilities noted in Section 2 on December 30, 2014.

This report appears to satisfy the requirements of the Coal Ash Management Act.

The Duke Energy Progress, Inc. Ash Basins 2014 Surface Water Protection and Restoration Report contains the following sections:

- Section 1 – Introduction
- Section 2 – Site Background
  - The report contains site background summaries for seven electricity-generating facilities, including locations, histories, and processes for power generating plants and their associated ash basins. The facilities described are:
    - 2.1 Asheville Steam Electric Plant
    - 2.2 Cape Fear Steam Electric Plant
    - 2.3 H. F. Lee Energy Complex
    - 2.4 Mayo Steam Electric Plant
    - 2.5 Roxboro Steam Electric Plant
    - 2.6 L. V. Sutton Energy Complex
    - 2.7 Weatherspoon Plant
- Section 3 – Surface Water Sampling Summary
  - This section summarizes the aspects of monitoring performed during 2014 at the seven facilities listed above including: water quality, water chemistry, fish tissue and sediment for trace elements, pursuant to the terms of each facility's NPDES permit, as well as in response to the CAMA.
- Section 4 – Surface Water Protection and Restoration Summary
  - This section includes:
    - A list of documents submitted during 2014 in order to comply with the CAMA requirements.
    - A list of near-term CAMA commitments

- A list of long-term CAMA commitments
  - A statement on Duke Energy's ash impoundment closure strategy
- Section 5 – Discharge Identification Status
  - This section describes in general terms the content of Discharge Identification Plans submitted for the seven facilities noted in Section 2. The plans for each of the seven sites were submitted on September 30, 2014.
- Section 6 – Discharge Assessment Status
  - This section states that topographic maps depicting all engineered discharges and discharges not captured by engineered channels for coal combustion residuals impoundments, along with their associated Discharge Assessment Plans, were submitted for the seven facilities noted in Section 2 on December 30, 2014.

This report appears to satisfy the requirements of the Coal Ash Management Act.

#### Modification of Existing National Pollutant Discharge Eliminations System (NPDES Permits)

DENR is proposing modifications to existing permits for wastewater (NPDES) discharges as part of the permit renewal process for the Allen, Marshall and Riverbend coal ash facilities. The department has placed the draft permits for the Allen, Riverbend and Marshall plants on its website and is seeking the public's review and comment on them. The draft permits can be viewed here: <http://portal.ncdenr.org/web/guest/duke-npdes-permits>.

As part of the public feedback process, a public hearing for Allen, Marshall, and Riverbend steam stations was held on April 8 and the comment period closed on May 5, 2015. DWR is reviewing the public comments and developing a Hearing Officer Report. Permits for Allen and Marshall steam stations will be re-noticed to incorporate 316a Temperature Variance requirements and dewatering language based on the new data that will be submitted by Duke on May 11, 2015.

DWR will continue to modify NPDES permits for Duke's remaining 11 facilities by the end of 2015.

DWR will continue to modify NPDES permits for Duke's remaining 11 facilities by the end of 2015. The following events have occurred since the last quarterly report:

- 1) The Hearing Officer Report was developed for Riverbend facility on May 22, 2015.
- 2) The DWR sent a Proposed Draft Final Riverbend Permit to EPA that incorporated all EPA and Hearing Officer recommendations on May 26, 2015.
- 3) The EPA sent a comment letter to DENR on the Proposed Draft Final Riverbend Permit on June 10, 2015. This letter included a comment that created an intractable situation that DENR, EPA, and USACOE have been trying to resolve. The situation is based on the fact that seeps at each site is a complex mixture of wastewater percolated through the dams and jurisdictional waters. Separating these two different kind of seeps is extremely difficult. There are several approaches being discussed to address the issue.

- 4) The Public Hearing for L.V. Sutton Energy Complex was held on August 6, 2015. The Division is developing the Hearing Officer Report.

#### Other Surface Water-related activities

On March 19, 2015, DWR Central and Regional office staff conducted a site visit to the Duke Sutton Plant to determine how the potential for designating the canal leading from the plant to Sutton Lake as an effluent channel will effect the need for a stormwater permit and a draft of a wastewater permit that are due to be issued the first week of April.

On February 6, 2015, DWR issued a letter to the Belews Creek Steam station that will allow Duke Energy to lower the Phreatic (water) surface in the dam so that repair of the dike can proceed.

On March 27, 2015, DWR issued a letter to the Asheville Plant that will allow Duke Energy to remove the rim ditch treatment system from 1964 ash pond and build an analogous or superior treatment system within the boundaries of 1982 ash pond. The project is necessary to facilitate removal of the coal ash from the 1964 ash pond.

On April 27, 2015, DWR issued a letter to the Asheville Plant that will allow Duke Energy to lower the water surface in the 1964 pond to allow the video inspection of the HDPE piping that was mandated by the NC Dam Safety Program.

#### **4. Ash Pond Closure-Related Activities**

DWR's initial step in protection and restoration activities is the development of National Pollutant discharge Elimination System (NPDES) permits that allow Duke to begin excavation of coal ash. DWR developed draft permits for three Duke facilities (Allen, Marshall and Riverbend) and issued a Public Notice on March 6, 2015. A public hearing was held on April 8, 2015 in Lincolnton, NC. Unpermitted discharges are being included in the draft permits developed by DWR as an interim step to their eventual elimination or treatment. The Riverbend permit was the first to allow for the dewatering of the coal ash pond necessary to begin eventual complete removal of the ash and pond closure. (DWR consulted with EPA regional personnel numerous times, as the EPA felt that these first draft permits were precedent-setting templates to potentially be followed by other states to allow the permitting of seeps as an interim step to their elimination and to allow for safe dewatering of the ash ponds.) DWR continues its consultation with EPA on the proposed permits, and will be addressing EPA's comments.

As noted in Section 3, DWR has taken steps to allow Duke Energy to make modifications to its treatment systems in order to facilitate removal of the coal ash from the 1964 ash pond.

#### **5. Dan River Sampling Update**

Personnel from DWR's Water Sciences Section (WSS) and Winston Salem Regional Office (WSRO) continue to collect surface water and fish tissue samples in the Dan River related to the Duke Energy Coal Ash Spill.

Water Quality Sampling: Samples collected from January 1, 2015, through July 31, 2015, include 135 samples that have been collected for quantification of up to 7 different analytes, resulting in 392 discrete data points. No increases in coal ash related contaminants were documented. An additional 14 samples were collected in August and submitted for quantification of up to 7 different analytes, which are expected to result in 42 discrete data points. Analytical results for August samples are currently under review and have not yet been released.

Fish Tissue Sampling: The third round fish tissue assessment has been completed and released. This was the first long term comparison of potential bioaccumulation of coal ash related pollutants in fish tissue. In January 2015, 61 samples from the third round fish tissue assessment (November and December, 2014 collections) were processed for quantification of 16 different analytes, resulting in 976 discrete data points. Results for the third round of sampling are similar to baseline data and historical data. Round four fish tissue samples were collected from Mid-April to early May 2015, and then processed for assessment during June. Fourth round sampling resulted in 108 samples for quantification of 16 different analytes, which are expected to result in 1,728 discrete data points. Analysis has been completed for approximately half of the round four samples, and final results are not yet available.

Reports and data from these monitoring efforts are available on the DWR Water Sciences Section webpage <http://portal.ncdenr.org/web/wq/ess/reports>

**N.C. Division of Waste Management  
December 2015**

**Industrial Coal Ash Landfills in North Carolina - Duke Energy Facilities with Landfills**

The North Carolina Division of Waste Management's Solid Waste Section (Section) regulates industrial coal ash landfills in accordance with 15A N.C.A.C. 13B .0503, .0504 and .0505. The Section oversees nine permitted industrial coal ash landfills and two closed industrial landfills. Inspections have been conducted at all active and inactive landfills in the past year. The following list includes information about Duke Energy's industrial coal ash landfills permitted by the state Division of Waste Management:

- Duke Energy Carolinas' Allen Steam Station – Gaston County
  - Active coal-fired plant
  - 3612-INDUS-2008: Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin)
  - Cell 2B continues to accept waste
- Duke Energy Carolinas' Belews Creek Steam Station – Stokes County
  - Active coal-fired plant
  - 8503-INDUS-1984: Pine Hall Road Landfill (closed, unlined)
  - 8504-INDUS: Craig Road Landfill (open, lined)
    - Phase 2 (Approximately 35 acres) Permit to Construct (PTC) issued May 18, 2012
    - Phase 2 Permit to Operate (PTO) issued Jan. 16, 2014
  - 8505-INDUS: Flue Gas Desulfurization (FGD) Landfill (open, lined)
    - Past 12 months facility has been mining gypsum from landfill to meet wallboard production needs, thus increasing landfill capacity
- Duke Energy Carolinas' Cliffside Steam Station\ Rogers – Rutherford County
  - Active coal-fired plant
  - 8106-INDUS-2009: Landfill (open, lined)
    - Receiving coal ash from plant and inactive basin units 1-4
- Duke Energy Carolinas' Dan River Steam Station – Rockingham County
  - Retired coal-fired plant
  - Converted to combined cycle turbine
  - Coal Ash Management Act of 2014 (CAMA) requires that all ash be moved to lined facility by 2019
  - Dan River Steam Station has received site suitability approval. Permit to Construct (PTC) application is under review. Rail construction at Dan River Steam Station is underway, in order to transport ash to off-site landfill.
  - Application for permit to construct on-site landfill submitted December 2015

- Draft permit and public hearing anticipated first quarter of 2016
- Duke Energy Progress' Mayo Steam Electric Plant – Person County
  - Active coal-fired plant
  - 7305-INDUS-2012: Landfill (open, double lined)
    - Receiving coal ash from plant
- Duke Energy Carolinas' Marshall Steam Station – Catawba County
  - Active coal-fired plant
  - 1804-INDUS-1983: Dry Ash Landfill (closed, unlined)
  - 1809-INDUS: FGD Landfill (inactive, lined)
    - Stopped receiving waste on Oct. 16, 2015
    - Landfill closed with 12-inch final cover and established vegetation
  - 1812-INDUS-2008: Industrial Landfill #1 (open, double lined)
    - Receiving waste from plant and Riverbend dry stacks
    - Draft permit to be issued to construct Cells 3 and 4 and public hearing anticipated January 2016
    - Future cells may be constructed over retired ash basin
- Duke Energy Progress' Roxboro Steam Electric Plant – Person County
  - Active coal-fired plant
  - 7302-INDUS-1988: Landfill (open, lined, constructed partially on top of retired ash basin)
  - Vertical expansion application for permit to construct under review in December 2015
  - Draft permit and public hearing anticipated in first quarter 2016
- Duke Energy Progress' Sutton Steam Electric Plant – New Hanover County
  - Retired coal-fired plant
  - Converted to combined cycle turbine
  - CAMA requires that all ash be moved to lined facility by 2019
  - On-site landfill application for permit to construct under review December 2015
  - Draft permit and public hearing anticipated first quarter 2016

### **Duke Facilities without Landfills**

- Duke Energy Progress' Asheville Steam Electric Plant - Buncombe County
  - Active coal-fired plant
  - Duke Energy submitted plans, to convert to combined cycle turbine, to the N.C. Utilities Commission for approval in 2015
  - Ash from 1982 ash basin is to be moved to Asheville Airport Structural Fill
  - CAMA requires all ash be moved to lined facility by 2019
  - Duke Energy has indicated no future plans for onsite landfill

- Updated ash transportation plans received by Solid Waste Section in December 2015
- Duke Energy Carolinas' Buck Steam Station – Rowan County
  - Retired coal-fired plant
  - Converted to combined cycle turbine
  - No closure plan established, waiting on CAMA risk classification determination
- Duke Energy Progress' Cape Fear Steam Electric Plant – Chatham County
  - Retired coal-fired plant
  - No electricity production (plant to be demolished)
  - Coal ash will be transferred to the Brickhaven Structural Fill (1910-STRUC-2015)
- Duke Energy Progress' H.F. Lee Steam Electric Plant – Wayne County
  - Retired coal-fired plant
  - Converted to combined cycle turbine
  - Coal ash will be transferred to Brickhaven and Colon (5306-STRUC-2015) structural fill
- Duke Energy Carolinas' Riverbend Steam Station – Gaston County
  - Retired coal-fired plant
  - No electricity production (plant to be demolished)
  - CAMA requires all ash be moved to lined facility by 2019
  - Coal ash being currently transferred from the dry stacks via truck to Brickhaven Structural Fill, Marshall Industrial Landfill #1 (Permit Number 1812-INDUS-2008) and Waste Management, Inc.'s municipal solid waste landfill in Homer, Ga.
  - Approximately 1,000 tons of coal ash per day being transferred
  - Coal ash transferred by rail anticipated to begin Jan. 8, 2016
- Duke Energy Progress' Weatherspoon Steam Electric Plant – Robeson County
  - Retired coal-fired plant
  - No electricity production (plant to be demolished)
  - Ash basins will be clean closed and coal ash transferred to the Brickhaven and Colon Structural Fills
- Westmoreland Partners, Roanoke Valley Energy Plant – Halifax County
  - Inactive coal-fired plant
  - 4204-INDUS-1994: Halifax County Coal Ash Landfill (inactive, lined)

## **Environmental Groundwater Assessments at Landfills**

Landfills undergo routine monitoring on a semi-annual basis to make sure groundwater contamination does not exceed the 15A N.C.A.C. 2L standards at the compliance boundary, which is a maximum of 250 feet from the edge of the waste. If groundwater contamination is found to exceed the 15A N.C.A.C. 2L standards at or beyond the compliance boundary, the facility must undergo an environmental assessment.

- Five landfills with the following permits underwent environmental assessments: Permit Numbers 1804, 1809, 8503, 8504, and 8505
- Four landfills (Permit Numbers 1804, 1809, 8503 and 8504) have completed their environmental assessments
- Four landfills (Permit Numbers 1804, 1809, 8503 and 8504) reported that the landfill was not the cause of the 15A N.C.A.C. 2L groundwater exceedances. Reports were found to be acceptable by the state Division of Waste Management that the exceedances were a result of background levels of the contaminants or a result of sampling problems that were corrected in subsequent sampling events
- One landfill (Permit Number 8505) is still undergoing environmental assessment
- No landfills are undergoing corrective action

#### Groundwater Assessment History

- Nov. 9, 2011 – Section issued letter requesting groundwater assessment for Permit Numbers 1804, 1809, 8503, 8504 and 8505
- Feb. 9, 2012 – Duke submitted Groundwater Assessment work plans
- Feb. 20, 2012 – Section approved work plan for Permit Number 1809
- March 23, 2012 – Section approved work plans for Permit Numbers 1804, 8503, 8504 and 8505
- July 12, 2012 – Duke submitted Groundwater Assessment Report for Permit Number 1809
- Oct. 1, 2012 – Duke submitted Groundwater Assessment Report for Permit Number 8503
- Oct. 5, 2012 – Duke submitted Groundwater Assessment Report for Permit Number 8505
- Dec. 21, 2012 – Duke submitted Groundwater Assessment Reports for Permit Numbers 1804 and 8504
- June 4, 2014 – Duke submitted Supplemental Groundwater Assessment Report for Permit Number 8505

#### Structural Fills

- Brickhaven No. 2, Mine Track “A” Structural Fill – Chatham County
  - 1910-STRUC-2015
  - Beneficial reuse mine reclamation
  - Owned/operated by Charah, Inc.
  - 145 acres
  - 12.5 million tons of ash



- Approximately 8 years to complete
- Permit application allows that ash may be received from any Duke Energy facility
- Duke Energy has indicated that ash is anticipated to be transported from the Duke Energy's Sutton and Riverbend plants
- Permit to construct issued June 5, 2015
- Placement of ash initiated October 2015 by truck
- Sutton Plant is moving ahead with rail expansion in anticipation of moving ash to Brickhaven.
- Receipt of ash by rail scheduled for mid-January 2016
- Colon Mine Site Structural Fill – Lee County
  - 5306-STRUC-2015
  - Beneficial reuse mine reclamation
  - Owned/operated by Charah, Inc.
  - 118 acres; 8.87 million tons of ash
  - Approximately 5 years to complete
  - Permit application allows that ash may be received from any Duke facility
  - Ash origination is unknown at this time and will be dependent on the construction completion date
  - Permit to construct issued June 5, 2015 in accordance with CAMA
  - Construction has not started as of December 2015
- Asheville Airport Structural Fill Area 2 – Buncombe County
  - The Section understands that the application for the Area 2 structural fill at the Asheville Airport has been put on hold
  - Areas 1, 3 and 4 were constructed and completed under the authority of the Division of Water Resources.

An inventory of the structural fills as required by the Session Law can be found at:

<http://portal.ncdenr.org/web/wm/sw/ccb>. Session Law 2014-122 mandated that no structural fills were to be constructed. On Aug. 1, 2015 the moratorium was lifted. At this time, there have been no notifications received by the Section concerning a proposed structural fill.

## **Coal Combustion Residuals and Product Reporting**

Solid Waste Regulation 15A N.C.A.C. 13B .1710 requires that generators of coal combustion “by-products” submit an annual summary to the Section. The by-products include coal combustion residuals and products, primarily coal ash and flue gas desulfurization residuals (FGD). The most recent summary, as follows, was required by Oct. 1, 2015 and was for the period of July 1, 2014 through June 30, 2015.

G.S. 130A-309.204(c), per the CAMA, echoes this reporting requirement except that the reporting requirement is for “coal combustion residuals and products.”

Facility	Ash Tons Produced	FGD Tons Produced	Ash Tons Disposed	FGD Tons Disposed	Ash into Structural Fills	Ash Tons Other Uses	FGD Tons Other Uses
Blue Ridge Paper Products - Canton Mill Waynesville	55,190.00	0.00	55,190.00	0.00	0.00	0.00	
Capital Power Corporation - Roxboro Facility	20,535.00	0.00	20,535.00	0.00	0.00	0.00	
Capital Power Corporation - Southport Facility	69,627.00	0.00	69,627.00	0.00	0.00	0.00	
Duke and Progress Power Stations produced at plant	1,698,218.00	1,579,276.00	1,081,593.00	249,698.00	66,568.00	550,057.00	1,329,577.00
Duke and Progress Power Stations excavated from impoundments					753,054.00		78,417.00
Edgecombe Genco, LLC	20,812.45	0.00	192.20	0.00	10,374.68	10,245.57	
Ingredion	302.99	0.00	39.32	0.00	0.00	263.68	
Marine Corps Air Station, Cherry Point	3,311.13	0.00	3,311.13	0.00	0.00	0.00	
University of North Carolina at Chapel Hill	17,630.20	0.00	0.00	0.00	0.00	17,630.20	
Westmoreland Partners, Roanoke Valley Energy Plant	38,608.66	0.00	38,608.66	0.00	0.00	0.00	
	<b>1,924,235.43</b>	<b>1,579,276.00</b>	<b>1,269,096.31</b>	<b>249,698.00</b>	<b>829,996.68</b>	<b>578,196.45</b>	<b>1,407,994.00</b>



4 Cliffside Steam Station	<p><b>Stormwater Hearing for SW permit on Sep. 10, 2015.</b></p>	<p>SW Inspection Pre-permit completed on Sep. 10, 2015</p>	<p>Vegetation Removal comments to Raleigh on Aug. 28, 2015, Repair plan sent comments to Raleigh on Aug. 27, 2015, As-Built inspection for completion of Install Instrumentation on Aug. 27, 2015, AS-Built inspections for RUTHE-070,072 on Aug. 27, 2015. Repair plan comments sent to raleigh on Sep. 10, 2015</p>	<p>Repair Plan received on Sep. 3, 2015.</p>	<p><b>Scope 4 As-Built for RUTHE-070 received and sent comments back to Raleigh on 09/01/2015. Scope 1 As-Built for RUTHE-072 received and sent comments on 09/01/2015. Scope 2 As-Built for RUTHE-072 received and sent comments back on 10/19/2015. Scope 1 received for CLEVE-050 under review. Scope 1 Addendum 1 for CLEVE-049 reviewed and sent comments back 09/14/2015. Scope 1 Addendum 1 revision for CLEVE-047 sent comments back on 11/20/2015. Scope 4 As-Built for CLEVE-047 under review. Install instrumentation reviewed 9/1/15.</b></p>	<p><b>8-19-15 Field asbuilts Cleve-049 IAB Downstream Dam Completion of repairs scope 2, Ruthe-070 IAB Main Dam Completion of repairs Scope 4, Ruthe-070-072 Instrumentation completion, Cleve-047-049-050 Instrumentation completion, Ruthe-072 IAB5 Saddle Dam Completion of repair. Install instrumentation inspected in the field and reviewed 9/1/15.</b></p>	<p><b>6-24-15 Inspections of Cleve-2014-011 SS Decommissioning, minimal exposure, IC , Cleve-2013-025 CCP Landfill Phase 2, IC Ruthe-2009-005 Joint with 2013-025, IC 8-12-15 Cleve-2015-012 RCAB Building Completed project closed. Cliffside Steam Station Unit 1-4 Ash Basin Dam (CLEVE-047) - Vegetation Removal, A/M issued 8/10/2015; Dry Fly Ash Conversion - Cliffside, CLEVE-2016-006, A issued 8/28/2015; Cliffside Steam Station Unit 1-4 Basin Dam (CLEVE-047) - Vegetation Removal, A-M issued 9/11/2015; 7-21-22 Broad river Dredge Plan review, August 28 Dry Ash Conversion ESC plan approval Cleve-2016-006. CLEVE-2016-023 Active Ash Basin Alternative Spillway for Cliffside Steam Station issued 11/23/2015. September 16, 2015 Active Sediment projects review with Erich Schweiber at Cliffside facilities.</b></p>
5 Dan River Steam Station	<p><b>Stormwater Hearing for SW permit on Sep 8, 2015.</b></p>	<p><b>Stormwater Hearing Pre-Inspection for SW permit on Aug 25,</b></p>		<p>Two Repair plans for CATAW-054, Scope 4 and 5 received Aug. 27, 2015 and suspense date is Sep. 15, 2015.</p>	<p>Install Instrumentation Completion Report review comments to Raleigh July 20, 2015. <b>Scope 5 and 6 reviewed on 09/15/2015 and sent comments.</b></p>	<p><b>Asbuilt 9-2-15 Cataw-054 Instrumentation Completion. Emergency inspection for self-reported voids at dam toe 10/3/2015. Follow-up inspections 10/4-5/2015. Install instrumentation inspected in the field and reviewed 9/9/15.</b></p>	<p>6/15/2015 Cataw-2014-009 Unit 1-4 Downstream erosion request to remove basin (denied due to insufficient groundcover-was not matured enough at this time) 8-13-15 working on Slope groundcover, 9-2-15 Concrete Flume completed. Site is IC. <b>Marshall Steam Station Gypsum Stackout Modifications, CATAW-2016-003, A/M issued 8/19/2015 and revised 9/11/2015. CATAW-2014-009 Marshall Steam Station (new name) revised 11/18/2015.</b></p>
6 Marshall Steam Station	<p>1/15/2015, Comments for the Draft SW permit by MRO staff. 4-8-2015, Staff from DEMLR participated in public hearing for Stormwater permits. This hearing is being held for public comment on draft permit for Marshall Steam station.</p>	<p><b>6/20/14 - site visit with RCO permitting staff to review submitted application info; 7/15/14 - site visit for newly found stormwater pipe evaluation.</b></p>	<p>GASTO-098 Pipe NOD 6/13/14. GASTO-099 letter 6/13/14. Duke letter 6/26/14. Duke letter 7/30/14. GASTO-098 letter 8/11/14. GASTO-099 letter 8/11/14. Duke letter 8/22/14. GASTO-097,098, 099 NOI 4/14/15, GASTO-099 NOI 5/21/15 for camera inspection</p>	<p>GASTO-098 repair plan due 9/26/14. GASTO-099 next annual internal camera inspection due by 3/27/15, with engineer's assessment and copy of video submitted within 30 days</p>	<p>EAP under review. EAP reviewed for all dams. Review of Letter of Compliance regarding NOD GASTO-098, Ash basin dam # 2. Instrumentation Installations for Riverbend Steam Station letter and plan review and comments to Raleigh. GASTO-097 Piezometer installation review and Comments to Raleigh. Repair Plan comments Regarding GASTO-098 to Raleigh. Waiver Requests comments sent to Raleigh on July 22, 2015. Repair plan Addendum 1 Scope 1 sent comments to Raleigh on Aug. 24, 2015. <b>Install instrumentation reviewed in office 9/9/15.</b></p>	<p>6/12/2014 camera inspection for GASTO-098, GASTO-099. GASTO-098 needs repair. Requested engineer's assessment of GASTO-099 video. 3/24/15 periodic inspections of GASTO-097,098,099. 5/14/15 camera inspection GASTO-099 As-Built Inspections for Completion of repair on Sep. 8, 2015, Gasto 097-098-099 Instrumentation completion (Engineers Cert) 8-25-15 Gasto-098 Secondary Ash Basin Repair plan Add 1 Scope1. <b>As-built inspection for repair 10/22/2015. Install instrumentation inspected in the field and reviewed 9/9/15.</b></p>	<p>GASTO-2014-011, issued 6/2/14 with revisions approved 10/13/14; Riverbend Steam Station Decommissioning - Phases 1, 3, and 4 Only, GASTO-2014-012, issued 7/3/14; Riverbend Steam Station Demolition - Phase 2, GASTO-2015-010, issued 1/8/15; Riverbend Steam Station Demolition - Phases 1,3 and 4, GASTO-2015-011, issued 1/8/15; Riverbend Steam Station Ash Basin Groundwater Assessment, GASTO-2015-018, issued 3/25/14. Riverbend Steam Station Demolition - Phase 1, 3, and 4 Only (Additional Area for Land Clearing), issued 3/26/15; Riverbend Railroad Improvements, GASTO-2015-027, issued 5/15/15; Riverbend Steam Station Ash Basin Groundwater Assessment, GASTO-2015-018, issued 5/26/15; Sediment Inspections: March 4, 2015-GASTO-2015-010, Meeting to discuss phase operations and Pre-construction meeting at site. March 4, 2015 GASTO-2015-011, Meeting to discuss phase operations and Pre-construction meeting at site. March 4, 2015-GASTO-2015-012, Meeting to discuss phase operations and Pre-construction meeting at site. April 1, 2015-GASTO-2015-011, Meeting at site for tree cutting permit only. April 1, 2015-GASTO-2015-012, Meeting at site for tree cutting permit only. April 1, 2015-GASTO-2015-018, Meeting at site for Groundwater Assessment to document NPDES only. April 1, 2015-GASTO-2015-022, Meeting at site for tree cutting permit only. Riverbend Steam Station Ash Basin Groundwater Assessment, revised GASTO-2015-018, A/M issued 7/15/2015; Riverbend Steam Station Demolition - Phase 1, 3, and 4, revised GASTO-</p>
7 Riverbend Steam Station							<p><b>October 5, 2015- Inspected Riverbend GASTO-2014-011 &amp; GASTO-2015-027 after Duke self reported railline improvement slope failure and coal yard off site</b></p>

		sedimentation. Both projects were out of compliance in
		inspection reports issue October 5, 2105.
		November 19, 2015- Follow up inspections for GASTO
		2014-011 & GASTO-2015-027, both back in compliance.
		Also, inspected GASTO-2015-011, GASTO-2015-012,GASTO
		2015-018 and GASTO-2015-022. All were in compliance,
		GASTO-2015-018 was closed and deadfiled.
		Sept 16, 2015- Active sediment project review with Erich
		Schweiber at Riverbend facilities.

DENR/DEMLR Quarterly Report on Coal Ash Management Activities due to the ERC  
June 2014 - December 2015

No	Plant Name	Stormwater List of Letters Sent/Received (with Date)	List of Stormwater Applications Received/Pending	Stormwater Application Status	Stormwater List of Inspections, (Date and General Findings)	Dam Safety List of Letters Sent/Received (with Date)	List of Dam Safety Applications Received/Pending	Dam Safety Application Status	Dam Safety List of Inspections, (Date and General Findings)	Sedimentation Inspections	New and/or Revised Erosion & Sedimentation Control Plans
1	Allen Steam Station				Site Visit - July 30, 2014 - gathered information in support of future permit application review and give input on question for application submittal.					Belew's Creek Craig Road Landfill, 9/10/14; Craig Rd. Landfill Exp Const of Ph. 2, 9/10/14; Duke Energy Belews Lake Ash Landfill Intake, 9/10/14; Belews Creek Flu Gas Desulfurization, 9/10/14; Belews Creek Steam Station BC-7 Site Imp (ROCKI-2015-006), 3/30/15. Belews Creek Steam Station BC-6 Site Imp (STOKE-2015-006), 7/9/15; Belews Creek Steam Station BC-7 Site Imp (STOKE-2015-008), 7/9/15; Belews Creek Steam Station BC-6 Site Imp (STOKE-2015-008), 7/31/15; Belew's Creek Craig Road Landfill (STOKE-2005-010), 8/20/15; Craig Rd. Landfill Exp Const of Ph. 2 (STOKE-2012-007), 8/20/15; Belews Creek Flu Gas Desulfurization (STOKE-2006-001), 8/20/15; Belews Creek Steam Station BC-7 Site Imp (STOKE-2015-006), 8/20/15; Belews Creek Steam Station BC-6 Site Imp (STOKE-2015-008), 8/20/15; Belews Creek Steam Station BC-6 Site Imp (STOKE-2015-008), 9/29/15; Belews Creek Steam Station BC-7 Site Imp (STOKE-2015-006), 9/29/15. Belews Creek Steam Station BC-6 Site Imp (STOKE-2015-008), 12/10/15; Belews Creek Steam Station BC-7 Site Imp (STOKE-2015-006), 12/10/15.	Belews Creek Stream Station BC-7 Site Improvements (STOKE-2015-006) plan revision, 4/14/15; BC 419 Vegetation Removal Saddle Dike #1 (STOKE-2016-007).
2	Belews Creek Steam Station						EAP's received for dams at Belew's Lake and Dan River Facilities. Received 8/11/14.	Review comments submitted to Dam Safety Engineer on 8/11/14.	Belew's Creek Saddle Dike #4 (ROCKI-235), 3/30/15; Duke Energy Belew's Lake (ROCKI-236), 3/30/15; Belew's Creek Chemical Pond (STOKE-115), 3/30/15; Duke Energy Belew's Creek Ash Basin (STOKE-116), 3/30/15; Duke Energy Belew's Creek Saddle Dike #1 (STOKE-117), 3/30/15; Duke Energy Belew's Creek Saddle Dike #2 (STOKE-118), 3/30/15; Duke Energy Belew's Creek Saddle Dike #3 (STOKE-119), 3/30/15; Duke Energy Belew's Creek Ash Basin (STOKE-116), 10/3/15 for emergency repair.		
3	Buck Steam Station										
4	Cliffside Steam Station				Site Visit - July 3, 2014 - gathered information in support of future permit application review and give input on question for application submittal.				Inspect ROCKI-237 for stabilization of pipe repair area, 9/11/14; Dam breach repair area and the Primary Pond Secondary Containment repairs on ROCKI-237-H; 9/11/14. Inspection of Dan River Primary Ash Pond (ROCKI-237), including grouting activities on both the 36" and 48" pipes running beneath the impoundment and dam), 2/5/15; Secondary Ash Pond (ROCKI-238), 2/5/15; Dan River Plant Dam (ROCKI-239), 2/5/15; Dan River Service Water Pond (ROCKI-241), 2/5/15. Dan River Primary Ash Basin (ROCKI-237) Inspection for seepage concerns, 4/22/15; Dan River Primary Ash Basin (ROCKI-237) Inspection for seepage concerns, 6/10/15; Secondary Ash Pond (ROCKI-238), 10/27/15 for emergency repairs; Secondary Ash Pond (ROCKI-238), 10/28/15 for emergency repairs.	Dan River Combined Cycle Station Ash Basin Groundwater Assessment (ROCKI-2015-016) plan approval, 4/2/15; Dan River Onsite Grading for Rail Upgrade (ROCKI-2015-017) plan approval, 4/20/15; Dan River Rail Upgrade on Hopkins Property (ROCKI-2015-020) plan approval, 5/18/15; Dan River Combined Cycle Station Ash Basin Groundwater Assessment (ROCKI-2015-016) plan revision, 6/10/15; Dan River Ash Fill 1 Ash Excavation (ROCKI-2016-002) approval, 8/20/15; Duke Dan River Phase 2 (ROCKI-2014-008) plan revision, 11/18/15; Dan River Rail Upgrade on Hopkins Property (ROCKI-2015-020) plan revision, 11/20/15.	
5	Dan River Steam Station								Duke Dan River Phase 1 (this is for the decommissioning of coal plant), 9/11/14; Duke Dan River Phase 2 (this is for the decommissioning of coal plant), 9/11/14; Duke Dan River-New Boat Ramp (this plan also includes areas disturbed for emergency dam repairs), 9/11/14; Duke Energy Dan River & Town Creek Mitigation, 9/11/14. Dan River Ph. 2, 4/22/15; Dan River-New Boat Ramp, 4/22/15; Duke Energy-Subsurface Exploration 4/22/15; Dan River Onsite Rail Tree Clearing, 4/22/15; Dan River Combined Cycle Station Ash Basin Groundwater Assessment, 4/22/15; Dan River Ph. 2, 6/10/15; Dan River-New Boat Ramp, 6/10/15; Duke Energy-Subsurface Exploration 6/10/15; Dan River Onsite Rail Tree Clearing, 6/10/15; Dan River Combined Cycle Station Ash Basin Groundwater Assessment, 6/10/15; Dan River Onsite Grading Rail Upgrade, 6/10/15; Dan River Rail Upgrade on Hopkins Property, 6/10/15; Dan River Ph. 2, 8/25/15; Dan River-New Boat Ramp, 8/25/15; Dan River Combined Cycle Station Ash Basin Groundwater Assessment, 8/25/15; Dan River Onsite Grading Rail Upgrade, 8/25/15; Dan River Ash Fill 1 Ash Excavation, 8/25/15; Dan River Ph. 2 (ROCKI-2014-008), 10/29/15; Dan River-New Boat Ramp (ROCKI-2014-012), 10/29/15; Dan River Onsite Grading Rail Upgrade (ROCKI-2015-017), 10/29/15; Dan River Rail Upgrade on Hopkins Property (ROCKI-2015-020), 10/29/15; Dan River Ash Fill 1 Ash Excavation (ROCKI-2016-002), 10/29/15.		







cape fear plant continued

10 Sutton Power Station

\*Follow-up Pipe Assessment Report for PERSO-035 received 7/30/14.  
\*EAP's for PERSO-034, PERSO-035, PERSO-036, and PERSO-037 received from central office.  
\*Repair Plan for PERSO-035 received from central office 10/15/14. \*Revised O&M Manual Received 5/18/15. 8- \*Follow-up letter sent 8/12/14. \*Under review 8/31/14.  
\*NOR 6/26/14 on PERSO-035 pipe camera inspection; NOR Response received 7/3/14. 20-15 Mayo Ash Pond Dam  
\*NOD 8/12/14 on PERSO-035 PERSO-035 Request for Approval to Repair - Scope 1 Addendum 1 - 9/2014. CO Response 10/31/14. 8/19/15 joint site visit for Risk Classification Assessment of PERSO-035, PERSO-036, PERSO-037, PERSO-034  
Follow-up pipe inspection Report; NOD Response received 8/21/14. (under review) \*Comments discussed with CO 11/2014.

11 Mayo Power Station

12 Roxboro Power Station	<p>*Follow-up Pipe Assessment Report for PERSO-039 received 7/25/14.          *EAP's for PERSO-038, PERSO-039, PERSO-040, PERSO-041, and PERSO-042 received from central office. *Repair plan for PERSO-039 received 10/2014 from CO.          *Submittal of Engineering Repairs for Roxboro East Ash Basin PERSO-033 report received 3/3/2015. *Submittal of Engineering Repairs for Roxboro West Ash Basin Dam - Scopes 1 &amp; 2 PERSO-038 received 03/03/2015 from CO.          *NOR 6/26/14 on PERSO-039 pipe camera inspection; NOD Response received 7/3/14.          *NOD 8/12/14 on PERSO-039 Follow-up pipe inspection Report; NOD Response received 8/21/14. * Letter of receipt of Roxboro West Ash Basin Dam - scopes 1 &amp; 2 PERSO-038 sent by CO received 03/05/2015</p>	<p>*Follow-up letter sent 8/12/14. *Under review 8/31/14. Comments discussed with CO 9/2014. CO response letter 10/31/14.          *Comments discussed with CO 11/2014. Approval issued by CO 12/11/14. *Approval to Repair, PERSO-033, Scopes 1 &amp; 2, by CO 3/30/15. *Approval for Revisions to Repairs, PERSO-038 Scopes 1 &amp; 2 by CO 4/2/15.</p>	<p>*12/5/14 Duke reported sink hole DS from PERSO-013 (Roxboro Afterbay Dam) under EAP activation and provided report of field observations confirming no immediate threat to dam. *Roxboro Plant Subsurface Exploration, PERSO-2015-006, received 3/23/15. *Roxboro Dry Fly Ash Silo Addition, PERSO-2015-008, received 5/18/15. 8/19/15- Site visit for Risk Classification Assessment on dams PERSO-033, PERSO-038, PERSO039, PESO-040, PERSO-041, PERSO_042, PERSO-043; 09/16/15-PERSO-038 dam inspection; 09/16/15-PERSO-033 dam inspection; All dams found to be in fair condition. No significant findings were observed.</p>	<p>*PERSO-2015-006 S&amp;E Approval issued 3/27/15. *PERSO-2015-008 S&amp;E Approval issued 5/22/15.</p> <p>11/30/15- plan received for Roxboro Ash Pond H &amp; H Improvement Project Perso 039/PERSO-2016-004; 12/6/2015-Letter of receipt provided for Roxboro Ash Pond H &amp; H Improvement Project (current status-under review)</p>
Roxboro power station contin...	<p>09/16/15- PERSO-039 dam inspection; 09/16/15- PERSO040 dam inspection; 09/16/15- Confirmation of Roxboro COAII Piezometers PERSO-040 certification report 10/08/15- PERSO-013 dam inspection;</p>			
13 Weatherspoon Power Station				
14 H.F. Lee Power Station				

15 Brickhaven No 2, Tract "A"

\*6/1/15 - NOV issued to Green Meadow LLC and Moncure Holdings LLC regarding Rail Spur to extend from mine site.

8/20/2015-received 24 hour notification from Brickhaven that during a skimmer failure, approximately 20,000 gallons of water in exceedence of NTU standards was released. The riser was blocked and repairs were made within 24 hours.

\*5/29/15 Site inspection at rail spur easement beyond the mine found no permit since no S&E Approval had been Obtained.

9/1/2015- Permit Modification for the Rail Spur approved.

7/28/15 Site inspection-Adequate sediment controls were not provided in accordance with the current approved plans in the vicinity of the outlet for sediment basin 7. A small amount of off site sediment was observed.  
7/29/15 -Mine inspection report sent . Request to repair area required.  
7/30/15-Area reported to be repaired and re-inspected by Land Quality to confirm repair . Adequate repair of slopes in vicinity of basin 7. **Site inspection conducted 10/20/15; Site inspection conducted 11/12/15; Complaint inspection for land disturbance outside mine limits 11/25/15; NOD issued for land disturbance activities outside the mine limits (rail spur) and notification of intent to enforce 11/25/15; Site inspection conducted 12/10/15**

16 Colon Mine permit 53-05

Letter to approve revision of certificate of coverage NCG020854 to reflect new company and/or facility name received 01/02/2015 from Central Office

9/9/15-Site meeting and inspection. No coal ash construction has started at this facility as of this date. Some slope repair has been done on slopes previously disturbed by former land owner (General Shale). No problems noted.12/01/15- Site visit. No coal ash construction has started at this facility as of this date. No change to stie was observed.

Fayetteville RO

DENR/DEMLR Quarterly Report on Coal Ash Management Activities due to the ERC  
June 2014 - December 2015

No	Plant Name	Stormwater List of Letters Sent/Received (with Date)	List of Stormwater Applications Received/Pending	Stormwater Application Status	Stormwater List of Inspections, (Date and General Findings)	Dam Safety List of Letters Sent/Received (with Date)	List of Dam Safety Applications Received/Pending	Dam Safety Application Status	Dam Safety List of Inspections, (Date and General Findings)	Mining List of Letters Sent/Received (with Date)	List of Mining Applications Received/Pending	Mining Application Status	Mining List of Inspections, (Date and General Findings)
1	Allen Steam Station												
2	Belews Creek Steam Station												
3	Buck Steam Station												
4	Cliffside Steam Station												
5	Dan River Steam Station												
6	Marshall Steam Station												
7	Riverbend Steam Station												
8	Asheville Power Station												
9	Cape Fear Power Station												
10	Sutton Power Station												
11	Mayo Power Station												
12	Roxboro Power Station												
	Weatherspoon Power Station						Revised plans for repair received from Duke Energy 2/10/2014						
	Weatherspoon Power Station						Slope stability evaluation and repair received from Duke Energy 2/29/2014						
13	Weatherspoon Power Station						Plans For Repair Received from Duke Energy 10/2/2014						
	Weatherspoon Power Station								Duke Energy Inspection Report of Weatherspoon Ash Basin Received 1/13/2015				
	Weatherspoon Power Station						H&H channel capacity evaluation and addendum to seepage and slope stability received from Duke Energy 2/2/2015						
	Weatherspoon Power Station						Addendum to seepage and slope stability received from Duke Energy 2/4/2015						
	Weatherspoon Power Station						ROBES-2015-008 ESC Plan for slope stability evaluation approved on 3-4-2015						Duke Energy Dam Inspection- As built evaluation of slope repairs at Weatherspoon Ash basin 5/22/15. Rip rap slope repairs were satisfactory.
14	H.F. Lee Power Station						Operations and Maintenance Manual Revision- 5/18/15						Inspection Report of Robes-009 Weatherspoon Ash Pond Dam dated 11-17-2015.
							Application for Dam Modification - Revision 1 to Scope 1 - 6/1/15	Fayetteville Comments to Central Office RE: Application for Dam Dam Modification - Revision 1 to Scope 1 - 6/9/2015					Inspection Report of Robes-004 Weatherspoon Ash Pond Cooling Lake Dam dated 11-17-2015.
						Final Approval for Repairs - Scope2 Weatherspoon 1979 Ash Pond Dam - June 4, 2015 (sent from central office)	S&ME Toe Drain Repair Modifications Received FRO June 17, 2015						Notice of Inspecton ROBES-009 Dated 11-23-2015 (Ash Pond Dam)
						Response to NOI from Duke Energy received 2/9/2015 with supporting documentation	AMEC Application for Dam Modification Received FRO June26, 2015						Notice of Inspecton ROBES-004 Dated 11-23-2015(Cooling Lake Dam)

Weatherspoon Ash Pond Sediment and  
Vegetation Removal and Spillway Erosion Control Plan/  
Modification Sediment and Construction  
Erosion Control and Construction Stormwater ROBES-  
Stormwater(NPDES NCG 010000) 2016-007 Approved  
Application(ROBES-2016-007) August 14, 2015

E&SC Plan submitted  
for toe drain repairs  
on 10-7-2015

E&SC Plan submitted  
for access road to  
switchyards on 11-  
23-2015

Letter from Duke Energy.  
Notification of Vegetation  
Removal on Ash Basins Received  
August 3 ,2015

Certificate of Approval for  
vegetation removal Scope 6  
dated September 9, 2015

Approval to install  
instrumentation for  
Weatherspoon Plant Cooling  
Lake Dam

Letter of Approval for E&SC plan  
for toe drain repairs dated 10-30-  
2015

Letter of Approval for E&SC plan  
for access road to switchyards  
dated 11-23-2015(Express  
Permitting)

S&ME Construction Certification  
Report Ash Basin Dam  
(Upstream Slope Repairs)  
Received by FRO August 25,  
2015.

S&ME Addendum to toe drain  
repair recommendation

Note: Mining Permits and Modifications are for Reclamation Modifications at two existing Permitted Mine areas.

They are Colon Mine (permit 53-  
05) Brickhaven #2 Pit (permit 19-  
25).

Colon - ADIT letter sent -  
12/19/14

Pending - waiting additional  
11/21/2014 information

12/5/2014

Brickhaven #2 -ADI letter sent -  
12/19/14

Pending - waiting additional  
11/21/2014 information

12/5/2014

Washington RO

DENR/DEMLR Quarterly Report on Coal Ash Management Activities due to the ERC  
June 2014 - December 2015

No	Plant Name	Stormwater List of Letters Sent/Received (with Date)	List of Stormwater Applications Received/Pending	Stormwater Application Status	Stormwater List of Inspections, (Date and General Findings)	Dam Safety List of Letters Sent/Received (with Date)	List of Dam Safety Applications Received/Pending	Dam Safety Application Status	Dam Safety List of Inspections, (Date and General Findings)	Erosion Control Plan
1	Allen Steam Station									
2	Belews Creek Steam Station									
3	Buck Steam Station									
4	Cliffside Steam Station									
5	Dan River Steam Station									
6	Marshall Steam Station									
7	Riverbend Steam Station									
8	Asheville Power Station									
9	Cape Fear Power Station									
10	Sutton Power Station									
11	Mayo Power Station									
12	Roxboro Power Station									
13	Weatherspoon Power Station									
14	H.F. Lee Power Station					NOI 6/26/14;NOI Response 7/30/14; NOD 8/6/14; NOD Response 8/21/14 (WaRO)	October 2014; Commented on repair plan submittal and sent to Central Office			8/18/2015 E&SC Plan Vegetative Slope Stabilization at Active Ash Pond

No dam safety or stormwater applications received during the first half of calendar 2015 (6/12/15)



**Plant Name**

*State Dam ID*                      *Dam Name*

Stormwater List of Letters Sent/Received (with Date)      List of Stormwater Applications Received/Pending      Stormwater Application Status      Stormwater List of Inspections, (Date and General Findings)

**Dam Safety List of Letters Sent/Received (with Date)**

**List of Dam Safety Applications Received/Pending**

**Dam Safety Application Status**

**Dam Safety List of Inspections Performed by Central Office**

**Allen Steam Station**

GASTO-061      Allen Active Ash Basin Dam

NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14;

EAP rec'd 7/31/14; RevReq sent 10/30/14  
RevReq sent 10/30/14 NOD response rec'd 9/26/14; Scopes 1&3 COAR issued 12/5/14; Scopes 2&4 rec'd on 11/6/14; Scopes 2&4 COAR issued on 4/1/15; **Scope 1 Addendum 1 rec'd 8/12/15; Scope 3 as-builts rec'd 7/27/15; Scope 5 COAR issued 10/21/15**

EAP rec'd 7/31/14; RevReq sent 10/30/14; Scopes 1&3 COAR issued 12/5/14; Scopes 2&4 COAR issued on 4/1/15; **Scope 1 Addendum 1 under review; Scope 5 COAR issued 10/21/15**

August through September - Inspected for Analysis of Risk per Statute

GASTO-016      Allen Retired Ash Basin Dam

NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14;

EAP rec'd 7/31/14; RevReq sent 10/30/14  
RevReq sent 10/30/14 NOD response rec'd 9/26/14; Scopes 1,2,&3 COAR issued 12/8/14; Scope 4 rec'd on 11/17/14; Scope 4 Rev Req sent 4/2/15; Scope 4 Rev Req #2 sent 4/24/15; Scope 4 COAR issued 6/2/15; **Scope 1 Addendum 1 rec'd 8/12/15, Scope 5 COAR issued 10/22/15; Scope 4 as-builts rec'd 11/19/15**

EAP rec'd 7/31/14; RevReq sent 10/30/14; Scopes 1,2,&3 COAR issued 12/8/14; Scope 4 Rev Req sent 4/2/15; Scope 4 Rev Req #2 sent 4/24/15; Scope 4 COAR issued 6/2/15; **Scope 1 Addendum 1 under review, Scope 5 COAR issued 10/22/15**

August through September - Inspected for Analysis of Risk per Statute

**Belews Creek Steam Station**

STOKE-116      Belews Creek Active Ash Basin Dam

NOI 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/31/14; NOD 8/7/14;

EAP rec'd 7/31/14; RevReq sent 10/30/14  
RevReq sent 10/30/14 NOI/NOD response rec'd 10/13/14; Scope 3 rec'd 10/1/14; Scope 2 rec'd 10/30/14; Scope 1&3 COAR issued 1/30/15; Scope 3 RevReq sent 1/27/15; Scope 3 COAR issued 2/13/15; Scope 4 rec'd 1/30/15; Scope 4 COAR issued 4/1/15; Spillway Variance issued 5/5/15; **Scope 1 as-builts rec'd 11/20/15**

EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1&3 COAR issued 1/30/15; Scope 3 RevReq sent 1/27/15; Scope 3 COAR issued 2/13/15; Scope 4 COAR issued 4/1/15; Spillway Variance issued 5/5/15

August through September - Inspected for Analysis of Risk per Statute

**Buck Steam Station**



ROWAN-047	Buck Steam Station Main Dam	NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14; RevReq sent 10/30/14 NOD/NOI response rec'd 9/26/14; Scope 1 COAR issued 1/6/15; Scope 2 RevReq sent 1/23/15; Scope 2 COAR issued 2/13/15; - • Submitted to DENR on Aug 18, 2015; <b>Scope 1 Addendum 1 rec'd 8/18/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 1/29/15; EAP pending review; Scope 1 COAR issued 1/6/15; Scope 2 RevReq sent 1/23/15; Scope 2 COAR issued 2/13/15; <b>Scope 1 Addendum 1 under review</b>	August through September - Inspected for Analysis of Risk per Statute
ROWAN-068	Buck Steam Station New (Additional Primary) Dam		EAP rec'd 7/31/14; RevReq sent 10/30/14 Plan rec'd 9/26/14; Revised Plan rec'd 1/27/15; Approval to proceed with plan issued 2/26/15	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 1/29/15; EAP pending review; Approval to proceed with plan issued 2/26/15	August through September - Inspected for Analysis of Risk per Statute
ROWAN-069	Buck Steam Station Basin 1 to Basin 2 Dam	NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 9/26/14; Scope 1 COAR issued 12/10/14	10/30/14; EAP rec'd 1/29/15; EAP pending review; Scope 1 COAR issued 12/10/14	August through September - Inspected for Analysis of Risk per Statute
ROWAN-070	Buck Steam Station Basin 2 to Basin 3 Dam	NOI 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD 8/11/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 10/13/14; Scope 1 COAR issued 12/22/14 -Downstream slope drainage improvements As-builts submitted to DENR on August 13, 2015; <b>Scope 2 rec'd 9/17/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 1/29/15; EAP pending review; Scope 1 COAR issued 12/22/14; <b>Scope 2 under review</b>	August through September - Inspected for Analysis of Risk per Statute
ROWAN-071	Buck Steam Station Divider Dam	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 1/29/15; <b>Scope 1 rec'd 9/17/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 1/29/15; EAP pending review; <b>Scope 1 under review</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Cliffside Steam Station</b>					
RUTHE-070	Cliffside Inactive Ash Basin #5 Main Dam	(Previous NOD 3/5/14); NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/28/14; NOD followup (plan required) sent 8/11/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 9/26/14; Scope 1 COAR issued 2/2/15; Scope 2 rec'd 9/26/14; Scope 2 determined as maintenance 9/29/14; Scope 3 rec'd 11/14/14; Scope 3 COAR issued 2/2/15; Scope 4 rec'd 2/23/15; Scope 4 COAR issued 3/18/15; <b>Scope 4 as-builts rec'd 8/13/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued 2/2/15; Scope 2 determined as maintenance 9/29/14; Scope 3 COAR issued 2/2/15; Scope 4 rec'd 2/23/15; Scope 4 COAR issued 3/18/15	August through September - Inspected for Analysis of Risk per Statute
RUTHE-072	Cliffside Inactive Ash Basin #5 Saddle Dam	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 rec'd 2/23/15; Scope 1 COAR issued 3/18/15 -Repair of spot seepage As-builts submitted to DENR on August 13, 2015; <b>Scope 1 as-builts rec'd 8/13/15; Scope 2 rec'd 10/2/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 rec'd 2/23/15; Scope 1 COAR issued 3/18/15; <b>Scope 2 under review</b>	August through September - Inspected for Analysis of Risk per Statute
CLEVE-050	Cliffside Active Ash Basin Upstream Dam	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14; <b>Scope 1 rec'd 11/16/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; <b>Scope 1 under review</b>	August through September - Inspected for Analysis of Risk per Statute

CLEVE-049	Cliffside Active Ash Pond Downstream Dam	NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 9/26/14; Scope 1 COAR issued 3/12/15; Scope 2 rec'd 2/23/15; Scope 2 COAR issued 3/17/15 - EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued on Aug 18, 2015 -• As-builts submitted to DENR on August 13, 2015; <b>Scope 1 Addendum 1 rec'd 8/18/15</b>	3/12/15; Scope 2 COAR issued 3/17/15; <b>Scope 1 Addendum 1 under review</b>	August through September - Inspected for Analysis of Risk per Statute
CLEVE-047	Cliffside Inactive Ash Basin 1-4 Main Dam	(Previous NOD 3/5/14); NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1&2 rec'd 9/30/14; Scope 2 COAR issued 1/26/15; Scope 1 COAR issued 3/17/15 -• Engineering plans for removal of toe drains submitted to DENR on July 29, 2015 -• Maintenance Intake Dredging Submitted to DENR on July 17, 2015 • PWCM issued July 21, 2015 for maintenance dredging; Scope 3 PWCM issued 7/21/15, <b>Scope 4 COAR issued 9/9/15, Scope 1 Addendum 1 RevReq sent 10/26/2015; Scope 4 as-builts rec'd 11/27/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 2 COAR issued 1/26/15; Scope 1 COAR issued 3/17/15; <b>Scope 4 COAR issued 9/9/15</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Dan River Steam Station</b>					
ROCKI-237	Dan River Active Primary Ash Basin	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scopes 1, 2, & 3 work was completed by using emergency dam safety order; Scope 4 COAR issued on 4/1/15; Scope 5 COAR issued 5/8/15; Scope 6 PWCM issued on 5/28/15; Scope 2 - Exploratory work COAR issued July 9, 2015; <b>Scope 7 rec'd 9/16/15; Scope 8 rec'd 10/2/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scopes 1, 2, & 3 work was completed by using emergency dam safety order; Scope 4 COAR issued on 4/1/15; Scope 5 COAR issued 5/8/15; Scope 6 PWCM issued on 5/28/15, Scope 2 - Exploratory work COAR issued 6/2/15; <b>Scopes 7 &amp; 8 under review</b>	August through September - Inspected for Analysis of Risk per Statute
ROCKI-238	Dan River Active Secondary Ash Basin	NOD 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/12/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 9/26/14; Scope 1 COAR issued 12/5/14; Scope 3 PWCM issued on 5/28/15; <b>Scope 4 rec'd 10/2/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued 12/5/14; Scope 2 not rec'd; Scope 3 PWCM issued on 5/28/15; <b>Scope 4 under review</b>	August through September - Inspected for Analysis of Risk per Statute
ROCKI-241			-Slipline plan for 300' of discharge pipe H25 Resubmitted on August 3, 2015		
<b>Marshall Steam Station</b>					

CATAW-054	Marshall Active Ash Basin Dam	NOI 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD 8/11/14	Modification plan rec'd 6/11/14; EAP rec'd 7/31/14; RevReq sent 10/30/14 Repair plan rec'd 8/26/14; Scope 3 COAR issued 9/18/14; Scopes 1&2 rec'd 10/13/14; Scopes 1 COAR issued 12/10/14; Scopes 2 COAR issued 12/15/14; -Shallow slope stability concerns plan 8/27/15; - Modification plan of Principal spillway 8/27/15; <b>Scopes 5 &amp; 6 rec'd 8/27/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scope 3 COAR issued 9/18/14; Scopes 1 COAR issued 12/10/14; Scopes 2 COAR issued 12/15/14; <b>Scope 5 &amp; 6 under review</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Riverbend Steam Station</b>					
GASTO-097	Riverbend Active Ash Basin Dam 1 (Primary)	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14 - Waiver on time to drain 8/6/15	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review	August through September - Inspected for Analysis of Risk per Statute
GASTO-098	Riverbend Active Ash Basin Dam 2 (Secondary)	NOD 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/11/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD response received 9/26/14; Scope 1 COAR issued 12/5/15; Scope 2 determined to not be required; Scope 3 COAR issued 4/10/15; -Abandon horizontal outlet pipe plan 8/6/15; <b>Scope 1 Addendum 1 COAR issued 8/6/15; Scope 4 COAR issued 8/6/15; Amendment to Scope 1 COAR issued 8/17/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scope 1 COAR issued 12/5/15; Scope 2 determined to not be required; Scope 3 COAR issued 4/10/15; <b>Scope 1 Addendum 1 COAR issued 8/6/15; Scope 4 COAR issued 8/6/15; Amendment to Scope 1 COAR issued 8/17/15</b>	August through September - Inspected for Analysis of Risk per Statute
GASTO-099	Riverbend Ash Basin Intermediate Dam	NOI 6/13/14; Initial Response rec'd 6/26/14; Pipe evaluation report rec'd 7/31/14; NOI follow-up 8/11/14	EAP rec'd 7/31/14; RevReq sent 10/30/14; <b>Scope 1 COAR issued 8/6/15; Amendment to Scope 1 COAR issued 8/17/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; <b>Scope 1 COAR issued 8/6/15; Amendment to Scope 1 COAR issued 8/17/15</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Asheville Power Station</b>					
BUNCO-089	Asheville 1982 Ash Pond Dam	NOI 6/16/14; Initial Response rec'd 6/27/14; Pipe evaluation report rec'd 7/30/14; NOD 8/6/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOI response received 10/13/14; Scope 1 COAR issued 12/19/14; Scope 2 received 5/18/2015	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued 12/19/14; Scope 2 pending review	August through September - Inspected for Analysis of Risk per Statute
BUNCO-097	Asheville 1964 Ash Pond Dam	NOI 6/16/14; Initial Response rec'd 6/27/14; Pipe evaluation report rec'd 7/30/14; NOI follow-up 8/16/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 - • Submitted to DENR on Aug 5, 2015 • PWCM email sent on Aug 17, 2015; <b>Scope 1 rec'd 7/31/15, Scope 2 PWCM issued 8/17/15; Scope 3 rec'd 9/21/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; <b>Scopes 1 &amp; 3 under review</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Cape Fear Power Station</b>					
CHATH-075	Cape Fear 1956 Ash Pond (Inactive)	NOI 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/28/14; NOD 8/11/14;	NOR/NOD rec'd 10/13/14; Scope 1 COAR issued 3/6/15 - • Submitted to DENR on July 29, 2015; <b>Scope 1 Addendum 1 rec'd 6/19/15; Scope 2 rec'd 6/1/15</b>	Scope 1 COAR issued 3/6/15; <b>Scope 1 Addendum 1 &amp; Scope 2 under review</b>	August through September - Inspected for Analysis of Risk per Statute

CHATH-076	Cape Fear 1963 Ash Pond Dam (Inactive)	N/A	Submitted to DENR on July 29, 2015; <b>Scope 1 rec'd 6/1/15, Scope 2 COAR issued 9/10/15</b>	<b>Scope 1 under review, Scope 2 COAR issued 9/10/15</b>	August through September - Inspected for Analysis of Risk per Statute
CHATH-077	Cape Fear 1970 Ash Pond Dam (Inactive)	NOD 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/28/14; NOD followup (plan required) sent 8/11/14;	NOD response received 9/26/14; Scope 1 COAR issued 3/12/15 - • Submitted to DENR on July 29, 2015; <b>Scope 2 COAR issued 9/10/15</b>	Scope 1 COAR issued 3/12/15; <b>Scope 2 COAR issued 9/10/15</b>	August through September - Inspected for Analysis of Risk per Statute
CHATH-078	Cape Fear 1978 Ash Pond Dam	NOD 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/28/14; NOD followup (plan required) sent 8/11/14;	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response received 9/26/14; Scope 1 COAR issued 1/22/15; Scope 2-1 rec'd 10/15/14; Scope 2-2 rec'd 3/2/15; Scope 2-2 RevReq sent 2/13/15; Scope 2-2 COAR issued 3/17/15; Scope 2-1 COAR issued 4/1/15; <b>Scope 3 rec'd 6/1/15, Scope 4 COAR issued on 9/10/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scope 1 COAR issued 1/22/15; Scope 2-2 RevReq sent 2/13/15; Scope 2-2 COAR issued 3/17/15; Scope 2-1 COAR issued 4/1/15; <b>Scope 3 under review, Scope 4 COAR issued on 9/10/15</b>	August through September - Inspected for Analysis of Risk per Statute
CHATH-079	Cape Fear 1985 Ash Pond Dam	(Previous NOD 3/28/14); Pipe NOI 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/28/14;	rec'd 7/31/14; RevReq sent 10/30/14 Repair application rec'd 8/20/14; Scopes 1&2 COAR issued 9/12/14; Scope 3 rec'd 9/15/14; Scope 3 proceed with work w/o COAR 9/15/14; Scope 4 rec'd 10/15/14; Scope 4 RevReq sent 2/9/15; Scope 4 COAR issued 3/6/15; Interim Final Approval of Phase 1 issued on 4/14/15; Scope 2 Addendum 1 COAR issued 5/8/15; EOR change issued 5/20/15 - • Remediation of upstream slope As-builts submitted on July 24, 2015 - • 36"RCP Transmittal to DENR on Sept 15, 2014, confirming work will proceed without a COAR required; <b>Scope 1 Addendum 1 rec'd 7/31/15, Scopes 5 rec'd 6/1/15; Scope 6 rec'd 7/27/15; Scope 2 as-builts rec'd 7/24/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scopes 1&2 COAR issued 9/12/14; Scope 3 proceed with work w/o COAR 9/15/14; Scope 4 RevReq sent 2/9/15; Scope 4 COAR issued 3/6/15; Scope 2 Addendum 1 COAR issued 5/8/15; EOR change issued 5/20/15; <b>Scope 1 Addendum 1, Scopes 5, &amp; Scope 6 under review</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Sutton Power Station</b>					
NEWHA-005	Sutton 1984 Ash Pond	NOI 6/17/14; Initial Response rec'd 6/27/14; Pipe evaluation report rec'd 7/31/14; NOI follow-up 8/5/14	EAP rec'd 7/31/14; RevReq sent 10/30/14; - Telestack conveyor system plan 8/6/15; <b>Scopes 1 &amp; 2 PWCM issued 9/22/15, Scope 3 COAR issued 11/5/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; <b>Scopes 1 &amp; 2 PWCM issued 9/22/15, Scope 3 COAR issued 11/5/15</b>	August through September - Inspected for Analysis of Risk per Statute
NEWHA-004	Sutton 1971 Ash Pond	NOI 6/17/14; Initial Response rec'd 6/27/14; Pipe evaluation report rec'd 7/31/14; <b>Dam is exempt</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; <b>Scope 1 COAR issued 9/4/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; <b>Scope 1 COAR issued 9/4/15</b>	August through September - Inspected for Analysis of Risk per Statute
<b>Mayo Power Station</b>					

PERSO-035	Mayo Ash Pond Dam	NOI 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/31/14; NOD 8/11/14	EAP rec'd 7/31/14; RevReq sent 10/30/14; NOR/NOD rec'd 10/13/14; Scope 1 COAR issued 1/22/15; Scopes 2&3 RevReq sent 2/5/15; Scopes 2&3 COAR issued 3/6/15 - New Spillway plans submitted on 7/1/15 and 8/20/15; <b>Scope 1 Addendum 1 COAR issued 10/12/15; Scopes 2 &amp; 3 as-builts rec'd 11/20/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued 1/22/15; Scopes 2&3 RevReq sent 2/5/15; Scopes 2&3 COAR issued 3/6/15; <b>Scope 1 Addendum 1 COAR issued 10/12/15</b>	August through September - Inspected for Analysis of Risk per Statute
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**Roxboro Power Station**

PERSO-038	Roxboro West Ash Pond Dam	N/A	EAP rec'd 7/31/14; RevReq sent 10/30/14; plans for Scopes 1&2 rec'd on 2/25/15; RevReq sent on 4/2/15 for Scopes 1&2; Scopes 1&2 COAR issued 4/15/15	EAP rec'd 7/31/14; RevReq sent 10/30/14; RevReq sent on 4/2/15 for Scopes 1&2; Scopes 1&2 COAR issued 4/15/15	August through September - Inspected for Analysis of Risk per Statute
PERSO-039	Roxboro West Ash Pond South Rock Filter	NOD 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/25/14; NOD followup (plan required) sent 8/11/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD response received on 10/13/14 for Scope 1, Scope 1 COAR issued 12/11/14; Scope 1 COAR issued 12/11/14, <b>Scope 1 Addendum 1 rec'd 8/15/15, Scope 2 rec'd 6/17/15.</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; Scope 1 COAR issued 12/11/14; Scope 2 not rec'd yet; <b>Scope 1 Addendum 1 &amp; Scope 2 under review</b>	August through September - Inspected for Analysis of Risk per Statute
PERSO-033	Roxboro East Ash Pond	N/A	Scopes 1&2 RevReq sent 3/11/15; Scopes 1&2 COAR issued 3/30/15; <b>Scope 2 Addendum 1 rec'd 7/1/15</b>	Scopes 1&2 RevReq sent 3/11/15; Scopes 1&2 COAR issued 3/30/15; <b>Scope 2 Addendum 1 under review</b>	August through September - Inspected for Analysis of Risk per Statute

**Weatherspoon Power Station**

ROBES-009	Weatherspoon 1979 Ash Pond	NOD 6/17/14; Initial Response rec'd 6/27/14; Pipe evaluation report rec'd 7/31/14; NOD followup (plan required) sent 8/8/14	Repair plans rec'd 5/13/14; EAP rec'd 7/31/14; RevReq sent 10/30/14 Repair as-builts rec'd 9/5/14; NOD response rec'd 9/26/14; Scopes 1,2,&3 COAR issued 1/22/15; Scope 4 rec'd 2/5/15; Scope 4 COAR issued 3/6/15; -Amend scope 1 plan with new spillway COAR 7/29/15; - Vegetation removal plan submitted on 7/29/15; <b>Scope 5 rec'd 6/15/15; Scope 5 resubmitted 9/16/15, Scope 6 COAR issued 9/9/15; Scope 4 as-builts rec'd 8/21/15</b>	Repair plans approved 6/27/14; EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scopes 1,2,&3 COAR issued 1/22/15; Scope 4 COAR issued 3/6/15; <b>Scope 5 under review, Scope 6 COAR issued 9/9/15</b>	August through September - Inspected for Analysis of Risk per Statute
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**H.F. Lee Power Station**

WAYNE-022	H.F. Lee Active Ash Pond	NOI 6/26/14; Initial Response rec'd 7/2/14; Pipe evaluation report rec'd 7/31/14; NOD 8/6/14	EAP rec'd 7/31/14; RevReq sent 10/30/14 NOD/NOI response rec'd 10/13/14; Scope 1 COAR issued 1/22/15; Scopes 2&3 COAR issued 1/29/15; Scope 1 Addendum 1 received 5/21/15 -Alternative Spillway Plan Submitted to DENR on July 22, 2015 - Plan to remove trees Submitted to DENR on July 8, 2015; <b>Scope 3 Addendum 2&amp;3 issued 9/9/15, Scope 4 rec'd 7/1/15, Scope 1 Addendum 2 COAR issued 10/13/15</b>	EAP rec'd 7/31/14; RevReq sent 10/30/14; EAP rec'd 12/2/14; EAP pending review; Scope 1 COAR issued 1/22/15; Scopes 2&3 COAR issued 1/29/15; <b>Scope 3 Addendum 2&amp;3 issued 9/9/15, Scope 4 under review, Scope 1 Addendum 2 COAR issued 10/13/15</b>	August through September - Inspected for Analysis of Risk per Statute
WAYNE-031	H.F. Lee Ash Pond 1 Dam (Inactive)	N/A	Plan rec'd 10/13/14 for Scope 1; Notice to proceed as an exempt dam issued on May 7, 2015, Jurisdictional Determination - Geotech investigation • Submitted to DENR on July 21, 2015; <b>Scope 2 rec'd 7/21/15</b>	Scope 1 pending review; Notice to proceed as an exempt dam issued on May 7, 2015, <b>Scope 2 under review</b>	
WAYNE-032	H.F. Lee Ash Pond 2 Dam (Inactive)	N/A	Plan rec'd 10/13/14 for Scopes 1, 2, & 3; Notice to proceed as an exempt dam issued on May 7, 2015, Jurisdictional Determination - Geotech investigation • Submitted to DENR on July 21, 2015; <b>Scope 4 rec'd 7/21/15</b>	Scopes 1, 2, & 3 pending review; Notice to proceed as an exempt dam issued on May 7, 2015, <b>Scope 4 under review</b>	
WAYNE-033	H.F. Lee Ash Pond 3 Dam (Inactive)	N/A	Plan rec'd 10/13/14 for Scopes 1 & 2; Notice to proceed as an exempt dam issued on May 7, 2015, Jurisdictional Determination - Geotech investigation • Submitted to DENR on July 21, 2015; <b>Scope 3 rec'd 7/21/15</b>	Scopes 1 & 2 pending review; Notice to proceed as an exempt dam issued on May 7, 2015, <b>Scope 3 under review</b>	

DENR/DEMLR Quarterly Report on Coal Ash Management Activities due to the ERC  
June 2014 - December 2015

No	Plant Name	Stormwater List of Letters Sent/Received (with Date)	List of Stormwater Applications Received/Pending	Stormwater Application Status	Stormwater List of Inspections, (Date and General Findings)	Dam Safety List of Letters Sent/Received (with Date)	List of Dam Safety Applications Received/Pending	Dam Safety Application Status	Dam Safety List of Inspections, (Date and General Findings)
1	Allen Steam Station	- Letters and emails from Duke Energy describing new outfalls and requesting coverage under NPDES SW permit - August 2015	- Application Received - October 1, 2014 - Amended App - October 24, 2014 - Second Amendment - Nov 19, 2014 - Monitoring Data - December 18, 2014	- Draft permit to public notice March 5, 2015. - Public Hearing Scheduled for April 8, 2015 - Public Hearing Held April 8, 2015. Only Comment on stormwater permit was from Duke Energy - Permit Issued May 15, 2015 - Minor Modification to add outfalls - August 2015	Site Visit - March 24, 2015 - verify information from application submittal and help finalize permit requirements				
2	Belews Creek Steam Station	Addition Information Request sent - Aug 26, 2014; - Additional Info Received - Sept. 19, 2014	Application Received - August 1, 2014; - Monitoring Data - October 7, 2014	In Review	Site Visit - July 30 , 2014 - gathered information in support of future permit application review and give input on question for application submittal.				
3	Buck Steam Station	- Letter requesting information on permit coverage needed for railroad cut - February 3, 2015. - Additional information on railroad cut - February 25, 2015 (email) - Railroad Cut Construction Approved (email) - April 2, 2015 - Email November 2015 to Duke requesting clarifications from site visit.	- Application Received - October 07, 2014 - Monitoring Data - December 18, 2014	- In Process for Review - Waiting for Dept. input on railroad cut coverage. - Construction activity for railroad cut approved.	- Site Visis - November 4, 2015 gathering inforamtion in support of permit application review and permit drafting.				

4 Cliffside Steam Station	<ul style="list-style-type: none"> <li>- Addition Information Request sent - Aug 26, 2014 -</li> <li>- Stormwater Data Submittal Received - Aug 28, 2014 - not responsive to all add-inf; - Received Sept. 19, 2014</li> <li>- Duke request for approval for ash movement. Wait for NCS permit issuance.</li> </ul>	<ul style="list-style-type: none"> <li>- Application Received - August 4, 2014;</li> </ul>	<ul style="list-style-type: none"> <li>- Internal Draft Permit</li> <li>- Draft to EPA for review - June 4th</li> <li>- Response From EPA July 23.</li> <li>- Public Notice August 2nd</li> <li>- Public Hearing September 10th. No attendees outside DEMLR except four Duke Energy Employees. Only comment letter from Duke Energy.</li> <li>- Permit to Issue by end of September 2015</li> <li>- Permit Issued Oct. 1, 2015</li> </ul>	<ul style="list-style-type: none"> <li>Site Visit - June 24, 2015 - gathered information in support of permit application review.</li> </ul>
5 Dan River Steam Station	<ul style="list-style-type: none"> <li>Addition Information Request sent - Aug 26, 2014;</li> <li>- Additional Info Received - Sept. 22, 2014</li> <li>- Request on rail line construction - May 29, 2015</li> </ul>	<ul style="list-style-type: none"> <li>- Application Received - August 1, 2014</li> <li>Application Amendment - Dec. 17, 2014</li> </ul>	<ul style="list-style-type: none"> <li>- In Review;</li> <li>- Draft to EPA for Review</li> <li>- Response From EPA July 23 2015</li> <li>- Public Notice August 2nd, 2015</li> <li>- Public Hearing September 8th 2015. No attendees outside DENR except 3 Duke Energy reps. Only comment from Duke Energy.</li> <li>- Permit to Issue by end of September 2015.</li> <li>- Permit Issued Oct. 1, 2015</li> </ul>	<ul style="list-style-type: none"> <li>Site Visit - July 3 , 2014 - gathered information in support of future permit application review and give input on question for application submittal.</li> </ul>



6 Marshall Steam Station	<p>- November 11 &amp; 18, 2015 - emails from Duke and letter to move roof stormwater outfalls to wastewater sump discharge. Not approved since wastewater permit did not include these sources.</p>	<p>- Application Received - October 15, 2014  - Monitoring Data - October 23, 2014  - Monitoring Data - Dec. 17, 2014</p>	<p>- Draft permit to public notice March 5, 2015.  - Public Hearing Scheduled for April 8, 2015  - Public Hearing Held April 8, 2015. Only Comment on stormwater permit was from Duke Energy  - Permit Issued May 15, 2015</p>	<p>Site Visit - March 24, 2015 - verify information from application submittal and help finalize permit requirements</p>
7 Riverbend Steam Station	<p>- Acknowledgement Letter - June 6, 2014  - Additional information letter sent - June 26, 2014  - Additional Info received - July 15, 2014  - Second Add Info Letter Sent - July 30, 2014  - Additional Info received - August 19, 2014; - Add Info Requested (Outfall 001) - Sept 15 2014 &amp; Oct 30, 2014  - Add info Received - Dec 4, 2014 &amp; Dec 8 2014  - Request for rail line construction work - May 12, 2015</p>	<p>- Revised Application Received - May 16, 2014  - Monitoring Data - June 6, 2014  - Data/Info on Outfall 001 - Dec. 4, 2014 &amp; Dec 8, 2014  - Application Amendment - December 18, 2014</p>	<p>- Draft permit to public notice March 5, 2015.  - Public Hearing Scheduled for April 8, 2015  - Public Hearing Held April 8, 2015. Only Comment on stormwater permit was from Duke Energy  - Permit Issued May 15, 2015</p>	<p>Site Visit - June 20 , 2014 - gathered information in support of permit application review.</p>
8 Asheville Power Station	<p>Addition Information Request sent - Aug 26, 2014; - Add Info (email) - Sept. 3, 2014  - Add Inf Received - Sept 18, 2014</p>	<p>- Application Received - July 31, 2014  - Monitoring Data - October 30, 2014  - Amended application and map October 6, 2015.</p>	<p>- In Review;  - Draft to EPA for Review  - Response From EPA July 23, 2015.  - Plan for public notice in December for Jan. 2016 public hearing.</p>	<p>Site Visit - August 27 , 2014 - gathered information in support of permit application review.</p>
9 Cape Fear Power Station	<p>Addition Information Request sent - Aug 26, 2014 ; - Add Info Received -  - Email on Site Visit - Nov 13, 2014.  - Letter on facility coal pile cleanup - March 11, 2015</p>	<p>Application Received - July 31, 2014</p>	<p>- Internal Draft Permit  - Waiting for Dept. input on coal pile cleanup coverage.  - Draft permit to EPA for Review October 23, 2015.</p>	<p>Site Visit - November 12 , 2014 - gathered information in support of permit application review.</p>

10 Sutton Power Station	<p>- Letter from Dept Feb 6, 2015 indicating Dept moving forward to draft NPDES permits.</p> <p>- Letter from Duke - February 23, 2015 - indicate all flow to effluent channel and covered by wastewater permit.</p> <p>- Emails from Duke October 12 &amp; 14, 2015 that proposed landfill is still in design so no potential stormwater industrial outfalls for inclusion in NPDES permit at this point.</p>	<p>- Scoping meeting with various agencies including DEMLR WiRO on proposed landfill at Sutton. May need State stormwater permit approval. September 25, 2015</p>	<p>- Duke has Challenged Ruling on Waters of the State for Sutton Lake. Will Impact Determination on Need for a Stormwater Permit.</p> <p>- Reviewing Feb. 23rd letter on permit applicability.</p> <p>- Stormwater included in wastewater permit - discharge to effluent channel.</p> <p>- Permit to Notice in July 2015.</p> <p>- Public Hearing - August 6th 2015.</p> <p>- Wastewater Permit including Stormwater issued December 1, 2015.</p>	<p>Site Visit - March 19, 2015 - Gather information on needs for permit coverage for various stormwater outfalls.</p>
11 Mayo Power Station		<p>- Application Received October 16, 2014.</p> <p>- Data submittal January 20, 2015</p>	In Process for Review	
12 Roxboro Power Station		<p>- Application Received - December 15, 2014</p>	In Process for Review	
13 Weatherspoon Power Station	<p>- Number of discussions about future application submittal due to future movement of coal ash at facility (July - Sept 2015)</p>	<p>Wastewater application ammendment - included notice that previous stormwater coverage for haul roads, but ash hauling stopped and coverage removed. Are maintaining this status and will apply if there are industrial stormwater discharges in the future. - October 10, 2014</p>	NPDES Stormwater Permit Not Required at This Time	
14 H.F. Lee Power Station	<p>- Permit Status Letter Received - October 16, 2014</p> <p>- Number of discussions about future application submittal due to future movement of coal ash at facility (July - Sept 2015)</p>		No Stormwater Point Source - may need additional site visit	

