

**Report to the North Carolina General Assembly's
Environmental Review Commission**



Coal Ash Quarterly Report

October 1, 2022

**Division of Water Resources
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY**

Pursuant to G.S. 130A-309.204

**Department of Environmental Quality
Quarterly Report October 1, 2022**

Regulatory Background

This report is submitted to meet the requirements of General Statute 130A–309.204, which requires the Department of Environmental Quality (DEQ) to submit quarterly reporting on operations, activities, programs and progress relating to coal combustion residuals surface impoundments. Specifically, General Statute (G.S.) 130A–309.204(a) states:

The Department shall submit quarterly written reports to the Environmental Review Commission on its operations, activities, programs, and progress with respect to its obligations under this Part concerning all coal combustion residuals surface impoundments. At a minimum, the report shall include information concerning the status of assessment, corrective action, prioritization, and closure for each coal combustion residuals surface impoundment and information on costs connected therewith. The report shall include an executive summary of each annual Groundwater Protection and Restoration Report submitted to the Department by the operator of any coal combustion residuals surface impoundments pursuant to G.S. 130A–309.211(d) and a summary of all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year. The report shall also include an executive summary of each annual Surface Water Protection and Restoration Report submitted to the Department by the operator of any coal combustion residuals surface impoundments pursuant to G.S. 130A–309.212(e) and a summary of all surface water sampling, protection, and restoration activities related to the impoundment for the preceding year, including the status of the identification, assessment, and correction of unpermitted discharges from coal combustion residuals surface impoundments to the surface waters of the State. The Department shall supplement the written reports required by this subsection with additional written and oral reports as may be requested by the Environmental Review Commission. The Department shall submit the written reports required by this subsection whether or not the General Assembly is in session at the time the report is due.

Report Structure

This report is broken down by the N.C. Department of Environmental Quality Divisions of Water Resources, Waste Management, and Energy, Mineral, and Land Resources. The information provided is either on-going or has occurred since the submittal of the previous quarterly report.

Acronyms

The following acronyms may be used in the sections below:

- A/M – Approval with Modifications
- BTVs – Background Threshold Values
- CAP – Corrective Action Plan
- CCR – Coal Combustion Residuals
- CCP – Coal Combustion Products
- COAR – Certificate of Approval to Repair
- COC – Certificate of Coverage
- COFA – Certificate of Final Approval
- CQA – Construction Quality Assurance

- CSA – Comprehensive Site Assessment
- DEQ – North Carolina Department of Environmental Quality
- DORS – Distribution of Residual Solids
- DWM – Division of Waste Management
- DWR – Division of Water Resources
- EAP – Emergency Action Plan
- EMC – Environmental Management Commission
- EOR – Engineer of Record
- ESC or E&SC – Erosion and Sediment Control Plan
- FGD – Flue-gas Desulfurization
- NOD – Notice of Deficiency
- NOI – Notice of Intent
- NOI – Notice of Inspection (DEMLR)
- NOV – Notice of Violation
- NPDES – National Pollution Discharge Elimination System
- PTC – Permit to Construct
- PTO – Permit to Operate
- SOC – Special Order by Consent
- UIC – Underground Injection Control
- WQMP – Water Quality Monitoring Plan

DIVISION OF WATER RESOURCES

Duke Energy facilities with Surface Impoundments. Division of Water Resources regulates Surface Impoundments in accordance with the Coal Ash Management Act (CAMA) as well as the General Statute 143–215, *Control of Sources of Water Pollution; Permits Required* and State Administrative Code 15A NCAC 2L *Classification and Water Quality Standards Applicable to Groundwaters of the State*.

General Status of Surface Impoundments:

The following are general status notes for all facilities, except where stated.

Corrective Action Status

Individual site–specific status notes included in the next section.

Prioritization and Closure Status [G.S. 130A–309.213]

Currently, all facilities are ranked as high, intermediate, or low priority.

- Facilities classified as high–risk per Session Law 2014–122 Senate Bill 729 Section 3.(b) are:
 - Asheville Steam Station
 - Dan River Combined Cycle Station
 - Riverbend Steam Station
 - L. V. Sutton Energy Complex

High–risk impoundments are required to be closed no later than December 31, 2019. Proposed plans were submitted by December 31, 2016.

- Facilities classified as intermediate–risk per Session Law 2016–95 House Bill 630 Section 3.(a) are:
 - H. F. Lee Energy Complex
 - Cape Fear Steam Electric Plant
 - W. H. Weatherspoon Power Plant

These three facilities and the Buck Combined Cycle Station have also been selected by Duke Energy for beneficiation under G.S. 130A–309.216. Per G.S. 130A–309.216(c), sites selected for ash beneficiation projects shall be closed no later than December 31, 2029.

- Facilities classified as low risk per G.S. 130A–309.213 are:
 - Allen Steam Station
 - Belews Creek Steam Station
 - Buck Combined Cycle Station
 - James E. Rogers Energy Complex (formerly Cliffside Steam Station)
 - Marshall Steam Station

- Mayo Steam Electric Plant
- Roxboro Steam Electric Plant

On November 13, 2018, DEQ deemed that these facilities are low risk based on criteria under G.S. 130A–309.213(d)(1).

Low–risk impoundments are required to be closed no later than December 31, 2029. A proposed closure plan for low–risk impoundments must be submitted no later than December 31, 2019. Intermediate–risk impoundments are required to be closed no later than December 31, 2024. A proposed closure plan for intermediate–risk impoundments was submitted by December 31, 2019. The closure dates have been superseded by the Consent Order that was signed February 5, 2020.

Consent Order

On February 5, 2020, a Consent Order was signed between Duke Energy, Plaintiff-Intervenors, and DEQ. The Consent Order required site-specific actions that supersede all other agreements, general statutes, and laws and only affects the Allen Steam Station, Belews Creek Steam Station, James E. Rogers Energy Complex (Cliffside Steam Station), Marshall Steam Station, Mayo Steam Electric Plant, and the Roxboro Steam Electric Plant. The Consent Order can be found on the DEQ website at:

<https://deq.nc.gov/media/15176/download>

Beneficial Reuse [G. S.130A–309.216]

Per G.S. 130A–309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. Along with the Cape Fear Steam Electric Plant, H.F. Lee Energy Complex, and the W. H. Weatherspoon Power Plan, the Buck Combined Cycle Station was additionally selected for beneficial reuse. G.S. 130A–309.216(c) states that sites selected for beneficitation projects must close by December 31, 2029.

General Costs [G.S. 130–309.214(m)]

Costs are required to be included with the site closure plans and corrective action plans.

- Closure plans for the high–risk impoundments were submitted in January 2017 but were deemed incomplete by the DEQ. These plans included general cost estimates and were labeled confidential.
- Cost estimates for groundwater corrective action are included in the Updated CAPs.

Site Specific Actions for Surface Impoundments

The following site-specific actions and status notes have occurred since the submittal of the previous quarterly report.

All Facilities

- DWR is currently in the process of developing a surface water evaluation for all sites. The results will be submitted to Duke Energy and will be used in their development of surface water assessment plans.

Allen Steam Station

- Assessment and Corrective Action Status
 - May 18, 2022 – Duke submits a plan to do limited two-year study at Allen, Cape Fear, and Dan River. The proposed study will focus on sampling wells with high turbidity and high pH using a “No Purge” methodology.
 - May 24, 2022 – DWR submits comments and questions on this proposed study back to Duke.
 - June 17, 2022 – Duke submits revised “No Purge” Plan to DEQ.
 - DEQ is currently reviewing this request.
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0004979
 - No update this quarter.

Asheville Steam Electric Plant

- Assessment and Corrective Action Status
 - No update this quarter.
- Closure Status
 - June 20, 2022 – Duke submits revised Post-Closure Monitoring and Care Plan for the facility.
 - August 31, 2022 – DEQ approves the Plan.
 - Excavation of the 1964 Basin is in progress.
 - Excavation of the 1982 Basin is complete.
- NPDES permit NC0000396
 - No updated this quarter.
- SOC S17-010
 - May 18, 2022 – SOC terminated.

Belews Creek Steam Station

- Assessment and Corrective Action Status
 - June 21, 2022 – Duke submits CSA Addendum for the Coal Pile area.
 - August 10, 2022 – DEQ submits comments to Duke via email.

- May 27, 2022 – Duke submits technical memorandum on the proposed extraction well network in the northern area of the facility. The request was to modify the number of extraction wells due to site conditions.
 - July 21, 2022 – Duke submits revised technical memorandum based on additional groundwater data.
 - July 26, 2022 – DEQ approves Duke to proceed as proposed.
- Duke is continuing to implement the approved corrective actions.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0024406
 - No update this quarter

Buck Combined Cycle Station

- Assessment and Corrective Action Status
 - July 26, 2022 – Duke submits request to modify compliance boundary due to property acquisition.
 - July 26, 2022 – DEQ approves the request.
- Closure Status
 - Closure is on-going.
- NPDES Permit NC0004774
 - No update this quarter.
- SOC S18-004
 - May 18, 2022 – SOC terminated.

Cape Fear Steam Electric Plant

- Assessment and Corrective Action Status
 - May 18, 2022 – Duke submits a plan to do limited two-year study at Allen, Cape Fear, and Dan River. The proposed study will focus on sampling wells with high turbidity and high pH using a “No Purge” methodology.
 - May 24, 2022 – DWR submits comments and questions on this proposed study back to Duke.
 - June 17, 2022 – Duke submits revised “No Purge” Plan to DEQ.
 - DEQ is currently reviewing this request.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0003433
 - No update this quarter.
- SOC S19-001
 - No update this quarter.

James E. Rogers Energy Complex (Formerly Cliffside Steam Station)

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - Closure is on-going.
 - Excavation of the Inactive Units 1–4 is complete.
- NPDES permit NC0005088
 - No update this quarter.

Dan River Combined Cycle Station

- Assessment and Corrective Action Status
 - May 18, 2022 – Duke submits a plan to do limited two-year study at Allen, Cape Fear, and Dan River. The proposed study will focus on sampling wells with high turbidity and high pH using a “No Purge” methodology.
 - May 24, 2022 – DWR submits comments and questions on this proposed study back to Duke.
 - June 17, 2022 – Duke submits revised “No Purge” Plan to DEQ.
 - DEQ is currently reviewing this request.
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - June 20, 2022 – Duke submits revised Post-Closure Monitoring and Care Plan for the facility.
 - August 31, 2022 – DEQ approves the Plan.
 - Excavation is complete.
- NPDES permit NC0003468
 - July 26, 2022 - Permit Renewal Draft to public notice.

H. F. Lee Energy Complex

- Assessment and Corrective Action Status
 - No updates this quarter.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0003417
 - August 9, 2022 – Major permit modification to public notice.
- SOC S18–006
 - No update this quarter.

Marshall Steam Station

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - Closure is on-going.

- NPDES permit NC0004987
 - May 13, 2022 – Permit issued.

Mayo Steam Electric Plant

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0038377
 - No update this quarter.
- SOC S18-005
 - May 18, 2022 – SOC terminated.

Riverbend Steam Station

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - June 20, 2022 – Duke submits revised Post-Closure Monitoring and Care Plan for the facility.
 - August 31, 2022 – DEQ approves the Plan.
 - Excavation is complete.
- NPDES permit NC0004961
 - No update this quarter.

Roxboro Steam Electric Plant

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - February 7, 2022 – Duke submits request for approval of excavation grades for the Eastern Extension Impoundment.
 - Closure is on-going.
- NPDES permit NC0003425
 - No update this quarter.

L. V. Sutton Energy Complex

- Assessment and Corrective Action Status
 - Duke is continuing to implement the approved corrective actions.
- Closure Status
 - August 22, 2022 - Duke submits a revised Post Closure Monitoring and Care Plan for the facility.
 - August 31, 2022 – DEQ approves the Plan.
 - Excavation of the 1971 Basin is complete.

- Excavation of the 1984 Basin is complete.
- NPDES permit NC0001422
 - No update this quarter.

W. H. Weatherspoon Power Plant

- Assessment and Corrective Action Status
 - July 1, 2022 – At the request of DEQ, Duke submits a map showing the revised compliance boundary that includes the Cooling Pond.
 - July 5, 2022 – DEQ approves the revised map and provides Duke with a guidance document regarding DEQ’s expectations for closing the Cooling Pond in the future.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0005363
 - No update this quarter.
- SOC S19-006
 - No updates this quarter.

Annual Groundwater Protection and Restoration Report Summary

The Annual Groundwater Protection and Restoration Reports have been uploaded to the [DEQ website](#). Since the reports are very concise, they do not lend themselves to being summarized. The report summarizes all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year.

Annual Surface Water Protection and Restoration Report Summary

The Annual Surface Water Protection and Restoration Reports have been uploaded to the [DEQ website](#). Since the reports are very concise, they do not lend themselves to being summarized. The report summarizes all groundwater sampling, protection, and restoration activities related to the impoundment for the preceding year.

DIVISION OF WASTE MANAGEMENT

Landfills At Duke Energy Coal Ash Facilities

Allen Steam Station – Gaston County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for fall 2022.
- 3612-INDUS-2008: Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin).
 - Continued semi-annual detection monitoring
- 3619-INDUS-2021: North Starter Landfill
 - No update this quarter.
- 3620-INDUS-2022: South Starter Landfill
 - No update this quarter.
- 3621-INDUS-20XX: Basin Landfill
 - No update this quarter.

Asheville Steam Electric Plant – Buncombe County (retired coal-fired plant, converted to combined cycle turbine)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for summer 2023
- 1119-INDUS-2020 (closed, double lined)
 - June 2022 – Last truck of ash disposed into landfill, closure activities underway.
 - Continued semi-annual detection monitoring.

Belews Creek Steam Station – Stokes County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for fall 2022
- 8503-INDUS-1984: Pine Hall Road Landfill (closed, unlined – composite cap system)
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 8504-INDUS-2007: Craig Road Landfill (open, lined)
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 8505-INDUS-2008: Flue Gas Desulfurization (FGD) Landfill (open, lined)
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment.
 - No update this quarter.
- 8506-INDUS-2021: Basin Landfill

- July 15, 2022 – Approval of vertical separation in Cell 2.
- June 2, 2022 – Approval of vertical separation in leachate basin.
- June 1, 2022 – Approval of vertical separation in Cell 1.

Dan River Steam Station – Rockingham County (retired coal-fired plant, converted to combined cycle turbine)

- Site Visits
 - Annual inspection scheduled for fall 2022.
- 7906-INDUS-2016: CCR Landfill (closed, lined)
 - January 18, 2020 – Closure permit issued.
 - Continued semi-annual detection monitoring.

Mayo Steam Electric Plant – Person County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for fall 2022.
- 7305-INDUS-2012: CCR Landfill (open, double lined)
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 7307-INDUS-2021: Basin Landfill
 - No update this quarter.

Marshall Steam Station – Catawba County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Stability Features
 - DWM expects an update on design to be submitted at the end of 3rd quarter 2022.
- Site Visits
 - July 22, 2022 – Annual inspection, landfills were in good condition and no observed violations.
- 1804-INDUS-1983: Dry Ash Landfill (closed, unlined – Phase 2 composite cap system)
 - Phase 1 excavation complete.
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 1809-INDUS: FGD Landfill (closed, lined)
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 1812-INDUS-2008: Industrial Landfill #1 (open, double-lined)
 - Leachate basin construction underway.
 - Continued operation of landfill – Phase 1, Cells 1 - 4.
 - Continued semi-annual detection monitoring.

Rogers Energy Complex – Rutherford County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for fall 2022.
- 8106–INDUS–2009: CCR Landfill (open, lined)
 - July 2022 – Operations began in Phase 4.
 - Continued semi-annual detection monitoring.

Roxboro Steam Electric Plant – Person County (current coal fired)

- Excavation Plan
 - No update this quarter.
- Site Visits
 - Annual inspection scheduled for fall 2022.
- Stability Feature
 - June 15, 2022 – Amended Permit to Construct/Permit to Operate issued for DMM wall.
- 7302–INDUS–2021: Proposed new onsite landfill expansion (double lined, partially on top of excavated ash basin)
 - August 18, 2022 – Approval of vertical separation for Phases 7-11.
 - Continued semi-annual detection monitoring.

Sutton Steam Electric Plant – New Hanover County (retired coal–fired plant, converted to combined cycle turbine)

- Site Visits
 - Annual inspection scheduled for spring 2023.
- 6512–INDUS–2016: CCR Landfill (closed, double lined)
 - No update this quarter.
 - Continued semi-annual detection monitoring.

Landfills Not on Duke Energy Facilities

Halifax County Industrial Landfill – Halifax County Westmoreland Partners, Roanoke Valley Energy Plant (retired coal–fired plant, plant closed)

- 4204–INDUS–1994: Halifax County Coal Ash Landfill (open/inactive, lined)
 - No update this quarter.
 - Continued semi-annual detection monitoring.

Duke Energy Facilities Without Landfills

Buck Steam Station – Rowan County (retired coal–fired plant, converted to combined cycle turbine)

- Excavation Plan
 - No update this quarter.
- Continued operation of STAR plant.

Cape Fear Steam Electric Plant – Chatham County (retired coal-fired plant, no electricity production)

- Excavation Plan
 - No update this quarter.
- Continued operation of STAR plant.

H.F. Lee Steam Electric Plant – Wayne County (retired coal-fired plant, converted to combined cycle turbine)

- Excavation Plan
 - No update this quarter.
- Continued operation of STAR plant.

Riverbend Steam Station – Gaston County (retired coal-fired facility, no electricity)

- No update this quarter.

Weatherspoon Steam Electric Plant – Robeson County (retired coal-fired facility, no electricity)

- Excavation Plan
 - No update this quarter.
- Continued excavation of CCR and trucked to concrete factory in South Carolina.

Coal Combustion Product (CCP) Structural Fills

The Section regulates large structural fills (greater than 8,000 tons per acre or 80,000 tons per project) in accordance with CAMA and small existing structural fills in accordance with 15A NCAC 13B .1713.

Greater Asheville Regional Airport Authority (GARAA), 1117-STRUC-2020, Buncombe County

- No update this quarter.
- Continued semi-annual detection monitoring.

Brickhaven No. 2, Mine Track “A,” 1910-STRUC-2015 – Chatham County

- No update this quarter.
- Continued semi-annual detection monitoring.

Colon Mine Site – Lee County, 5306-STRUC-2015

- No update this quarter.

Inventory of structural fills greater than 10,000 cy, per Session Law 2014 122:
<http://deq.nc.gov/about/divisions/waste-management/solid-waste-section/coal-combustion-byproducts>.

Groundwater Assessment and Corrective Action

Roxboro Steam Station Gypsum Storage Pad (CCB0003)

- No update this quarter.

Belews Creek Steam Station Structural Fill (CCB0070)

- No update this quarter.

Swift Creek in Nash County (CCB0057)

- No update this quarter.

Arthur's Creek/Henry Long Property in Northampton County (CCB0064)

- No update this quarter.

Historic Ash Management Area

6806-INDUS- Eno Power Plant – Historic Coal Ash Storage Area

- No update this quarter.
- Continued semi-annual detection monitoring.

DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES

Duke and other Company facilities with dams, construction development, industrial activities, and mining operations- The North Carolina Division of Energy, Mineral, and Land Resources regulates industrial coal combustion residual landfills in accordance with CAMA as well as the State Dam Safety Law (NCGS 143-215.23), the Sedimentation Pollution Control Act (NCGS 113A-50), the Mining Act (NCGS 74-46), and the State Stormwater Program under the authority of multiple Session Laws along with their associated Administrative Code.

Allen Steam Station

- Dam Safety
 - GASTO-061 (Allen Active Ash Basin Dam).
 - 6/8/22 – Issued approval to install temporary anchors on dam to support dewatering pumps.
 - 6/8/22 – Received courtesy notification to install temporary anchors on dam to support dewatering pumps.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000546
 - No update this quarter.

Asheville Steam Electric Plant

- Dam Safety
 - BUNCO-097 (ASHEVILLE 1964 ASH POND DAM)
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000575
 - No update this quarter.

Belews Creek Steam Station

- Dam Safety
 - No update this quarter
- Erosion and Sediment Control and Construction Storm Water
 - STOKE-2022-013 – Belews Creek Corrective Action Plan (CAP) E&SC Plan
 - No update this quarter.
- NPDES Storm Water
 - NCS000573
 - No update this quarter.

Buck Combined Cycle Station

- Dam Safety
 - 8/24/22: Conducted Annual Inspections of Dams (ROWAN-047, ROWAN-068, ROWAN-069, ROWAN-070, ROWAN-071, ROWAN-079)
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCG130090
 - 5/31/23 – Certificate of Coverage (COC) expires.
 - NCS000554
 - 7/31/23 – Permit expires.
 - NCS000556
 - Withdrawn; revised application received and assigned new permit number (NCS000578).
 - NCS000578
 - 7/31/23 - Permit expires.

Cape Fear Steam Electric Plant

- Dam Safety
 - CHATH-022 (Buckhorn Lake Dam)
 - No update this quarter.
 - 4/29/22 – Conducted annual inspections (CHATH-075, CHATH-076, CHATH-079)
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000574
 - No update this quarter.

James E. Rogers Energy Complex (Formerly Cliffside Steam Station)

- Dam Safety
 - CLEVE-047 (CLIFFSIDE RETENTION BASIN MAIN DAM).
 - No update this quarter.
 - RUTHE-070 (Rogers Energy Complex Inactive Ash Basin Unit 5-Main Dam)
 - 6/21/22 – Received plans to Modify for Primary Spillway Abandonment.
 - 7/22/22 – Issued Certificate of Approval to Modify for Primary Spillway Abandonment.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000571
 - 4/13/2022 – Draft permit public noticed; Finalized permit submitted to supervisor for signature 5/27/2022.

Dan River Combined Cycle Station

- Dam Safety
 - ROCKI-239 (LOW HEAD DIVERSION DAM).
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000572
 - Draft permit in progress.

H.F. Lee Energy Complex

- Dam Safety
 - WAYNE-031 (HF Lee Inactive Ash Basin Dam #1).
 - 7/27/22 – Issued Final Approval to Repair, Scope 4
 - 6/2/22 – NOD resolved.
 - 7/25/22 – Received As-built plans to repair by installing steel sheet piles, Scope 4.
 - 4/28/22 & 1/06/22 – Conducted As-built inspection.
 - WAYNE-032 (HF Lee Inactive Ash Basin Dam #2).
 - 7/27/22 – Issued Final Approval to Repair, Scope 7.
 - 6/2/22 – NOD resolved.
 - 7/25/22 – Received As-built plans to repair by installing steel sheet piles, Scope 7.
 - 4/28/22 & 1/06/22 – Conducted As-built inspection.
 - WAYNE-033 (HF Lee Inactive Ash Basin Dam #3).
 - 7/27/22 – Issued Final Approval to Repair, Scope 7.
 - 6/2/22 – NOD resolved.
 - 7/25/22 – Received As-built plans to repair by installing steel sheet piles, Scope 7.
 - 4/28/22 & 1/06/22 – Conducted As-built inspection.
 - WAYNE-009 (HF Lee Cooling Lake Dam).
 - 8/29/22 – Issued approval to change EOR.
 - 8/26/22 – Received request for change of EOR, Scope 8 modification.
 - 6/2/22 – Issued NOI.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCG130094
 - No update this quarter.
 - NCG200529
 - 5/31/24 – Certificate of Coverage (COC) expires.

Marshall Steam Station

- Dam Safety
 - CATAW-054 (Marshall Station Active Ash Basin Dam).
 - 8/22/22 – Issued Certificate of Approval to Modify for Installation of Instrumentation/Extraction Wells.
 - 8/20/22 – Received plans to Modify for Installation of Instrumentation/Extraction Wells.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000548
 - 3/31/26 - Permit expires.
 - NCS000579
 - No update this quarter.

Mayo Steam Electric Plant

- Dam Safety
 - PERSO-035 (Mayo Ash Basin Dam)
 - 8/11/22 – Issued Certificate of Approval to Modify, Scope 5.
 - 8/09/22 – Received Revised Plans to Modify, Scope 5.
 - 7/11/22 – Issued Revision Request letter to Modify, Scope 5.
 - 6/21/22 – Received plans to Modify for Removal of Buffer Area Ash and Riprap, Scope 5.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000580
 - No update this quarter.
 - NCG120101
 - No update this quarter.

Riverbend Steam Station

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000549
 - No update this quarter.

Roxboro Steam Electric Plant

- Dam Safety
 - PERSO-013 (ROXBORO AFTERBAY DAM)

- 7/11/22 – Issued Certificate of Approval to Modify, Scope 1.
 - 6/27/22 – Received revised plans to Modify, Scope 1.
 - 6/08/22 – Issued Revision Request letter to Modify by providing auxiliary spillway to increase spillway capacity, Scope 1.
 - PERSO-002 (LAKE HYCO DAM)
 - No update this quarter.
 - PERSO-002, PERSO-013, PERSO-033, PERSO-038, PERSO-039, PERSO-047, PERSO-048
 - No update this quarter.
- Erosion and Sediment
 - No update this quarter.
- NPDES Storm Water
 - NCS000581
 - No update this quarter.

L. V. Sutton Energy Complex

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Brickhaven No 2. Tract “A”

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control
 - No update this quarter.
- Mining
 - No update this quarter.
- NPDES Storm Water
 - NCG020354
 - No update this quarter.

Colon Mine Permit 53-05

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control
 - No update this quarter.
- Mining
 - No update this quarter.
- NPDES Storm Water
 - NCG020854

- No update this quarter.

W. H. Weatherspoon Power Plant

- Dam Safety
 - ROBES-004 (WEATHERSPOON COOLING POND)
 - 8/22/22 – Received response to NOD.
 - 7/29/22 – Issued NOD.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - NCS000589
 - No update this quarter.

Dam Status

| Plant Name | NAME | NC STATE-ID | DAM STATUS |
|--------------------------------|-------------------------------------|--------------------|-----------------------|
| Allen Steam Station | Allen Active Ash Basin Dam | GASTO-061 | ACTIVE |
| Allen Steam Station | Allen Inactive Ash Basin Dam | GASTO-016 | INACTIVE |
| Allen Steam Station | Allen Retention Basin Dam | GASTO-324 | ACTIVE |
| Asheville Steam Electric Plant | Lake Julian Dam | BUNCO-088 | ACTIVE |
| Asheville Steam Electric Plant | Asheville 1982 Ash Pond Dam | BUNCO-089 | DECOMISSIONED |
| Asheville Steam Electric Plant | Asheville 1964 Ash Pond Dam | BUNCO-097 | ON-GOING DECOMISSION |
| Asheville Steam Electric Plant | Asheville Lined Retention Basin Dam | BUNCO-101 | ON-GOING DECOMISSION |
| Asheville Steam Electric Plant | North Stormwater Pond Dam | BUNCO-504 | ON-GOING CONSTRUCTION |
| Asheville Steam Electric Plant | South Stormwater Pond Dam | BUNCO-505 | ON-GOING CONSTRUCTION |
| Belews Creek Steam Station | Belews Creek Active Ash Basin Dam | STOKE-116 | ACTIVE |
| Belews Creek Steam Station | Belews Lake Dam | ROCKI-236 | ACTIVE |
| Belews Creek Steam Station | Belews Lake Saddle Dike #1 Dam | STOKE-117 | ACTIVE |
| Belews Creek Steam Station | Belews Lake Saddle Dike #2 Dam | STOKE-118 | ACTIVE |
| Belews Creek Steam Station | Belews Lake Saddle Dike #3 Dam | STOKE-119 | ACTIVE |
| Belews Creek Steam Station | Belews Lake Saddle Dike #4 Dam | ROCKI-235 | ACTIVE |

| | | | |
|--|----------------------------------|-----------|---------------|
| Belews Creek Steam Station | Belews Creek Chemical Pond Dam | STOKE-115 | ACTIVE |
| Belews Creek Steam Station | Belews Creek Retention Basin Dam | STOKE-121 | ACTIVE |
| Belews Creek Steam Station | Belews Creek Holding Basin Dam | STOKE-120 | ACTIVE |
| Belews Creek Steam Station | Belews Creek South Coal Pile Dam | STOKE-123 | ACTIVE |
| Belews Creek Steam Station | Belews Creek North Coal Pile Dam | STOKE-122 | ACTIVE |
| Buck Combined Cycle Station | Buck Main Ash Basin Dam | ROWAN-047 | ACTIVE |
| Buck Combined Cycle Station | Buck Ash Basin #1 Dam | ROWAN-068 | ACTIVE |
| Buck Combined Cycle Station | Buck Basin #1 to Basin #2 Dam | ROWAN-069 | ACTIVE |
| Buck Combined Cycle Station | Buck Basin #2 to Basin #3 Dam | ROWAN-070 | ACTIVE |
| Buck Combined Cycle Station | Buck Ash Basin Divider Dam | ROWAN-071 | ACTIVE |
| Buck Combined Cycle Station | Buck Fuel Containment Dam | ROWAN-072 | DECOMISSIONED |
| Buck Combined Cycle Station | Buck Beneficial Ash Wet Pond | ROWAN-076 | ACTIVE |
| Buck Combined Cycle Station | Buck Beneficial Ash Dry Pond | ROWAN-075 | ACTIVE |
| Buck Combined Cycle Station | Buck Retention Basin Dam | ROWAN-079 | ACTIVE |
| Cape Fear Steam Electric Plant | Buckhorn Lake Dam | CHATH-022 | ACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear 1956 Ash Pond Dam | CHATH-075 | INACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear 1963 Ash Pond Dam | CHATH-076 | INACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear 1970 Ash Pond Dam | CHATH-077 | INACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear 1978 Ash Pond Dam | CHATH-078 | INACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear 1985 Ash Pond Dam | CHATH-079 | ACTIVE |
| Cape Fear Steam Electric Plant | Cape Fear Flood Control Dam | CHATH-080 | DECOMISSIONED |
| James E. Rogers Energy Complex (Cliffside Steam Station) | Cliffside River Dam | CLEVE-053 | ACTIVE |

| | | | |
|--|---|-----------|---------------|
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Inactive Ash Basin #5 Main Dam | RUTHE-070 | INACTIVE |
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Inactive Ash Basin #5 Saddle Dam | RUTHE-072 | INACTIVE |
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Active Ash Basin Upstream Dam | CLEVE-050 | INACTIVE |
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Active Ash Basin Downstream Dam | CLEVE-049 | INACTIVE |
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Retention Basin Dam (Formerly Inactive Ash Basin #1-4 Main Dam) | CLEVE-047 | ACTIVE |
| James E. Rogers Energy Complex (Cliffside Station) | Cliffside Active Ash Basin Internal Dam | CLEVE-054 | INACTIVE |
| Dan River Combined Cycle Station | Dan River Active Primary Ash Basin Dam | ROCKI-237 | DECOMISSIONED |
| Dan River Combined Cycle Station | Dan River Active Secondary Ash Basin Dam | ROCKI-238 | DECOMISSIONED |
| Dan River Combined Cycle Station | Dan River Service Water Settling Pond Dam | ROCKI-241 | ACTIVE |
| Dan River Combined Cycle Station | Dan River Low Head Diversion Dam | ROCKI-239 | ACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Cooling Lake Dam | WAYNE-009 | ACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Active Ash Basin Dam | WAYNE-022 | INACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Inactive Ash Basin 1 Dam | WAYNE-031 | INACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Inactive Ash Basin 2 Dam | WAYNE-032 | INACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Inactive Ash Basin 3 Dam | WAYNE-033 | INACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Permanent Stormwater Pond Dam | WAYNE-036 | ACTIVE |
| H.F. Lee Energy Complex | H.F. Lee Triangular Pond Dam | WAYNE-034 | DECOMISSIONED |

| | | | | |
|---------------------------|-------|--|-----------|---------------|
| Marshall Station | Steam | Marshall Active Ash Basin Dam | CATAW-054 | INACTIVE |
| Marshall Station | Steam | Marshall Retention Basin Dam | CATAW-076 | ACTIVE |
| Marshall Station | Steam | Marshall Holding Basin Dam | CATAW-075 | ACTIVE |
| Marshall Station | Steam | Marshall West Temporary SWP | CATAW-077 | ACTIVE |
| Marshall Station | Steam | Marshall East Temporary SWP | CATAW-078 | DECOMISSIONED |
| Mayo Steam Electric Plant | | Mayo Lake Dam | PERSO-034 | ACTIVE |
| Mayo Steam Electric Plant | | Mayo Active Ash Pond Dam | PERSO-035 | INACTIVE |
| Mayo Steam Electric Plant | | Mayo FGD Settling Pond Dam | PERSO-036 | DECOMISSIONED |
| Mayo Steam Electric Plant | | Mayo FGD Flush Pond Dam | PERSO-037 | DECOMISSIONED |
| Mayo Steam Electric Plant | | Mayo Coal Pile Dam | PERSO-046 | ACTIVE |
| Mayo Steam Electric Plant | | Mayo FGD Settling Basin Dam | PERSO-049 | ACTIVE |
| Mayo Steam Electric Plant | | Mayo Retention Basin Dam | PERSO-050 | ACTIVE |
| Riverbend Station | Steam | Riverbend Active Primary Ash Basin Dam | GASTO-097 | DECOMISSIONED |
| Riverbend Station | Steam | Riverbend Active Secondary Ash Basin Dam | GASTO-098 | DECOMISSIONED |
| Riverbend Station | Steam | Riverbend Intermediate Dam | GASTO-099 | DECOMISSIONED |
| Riverbend Station | Steam | Riverbend Fuel Containment Dam | GASTO-105 | DECOMISSIONED |
| Roxboro Electric Plant | Steam | Lake Hyco Dam | PERSO-002 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro Afterbay Dam Reservoir | PERSO-013 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro West Ash Basin Dam | PERSO-038 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro West Ash Basin Rock Filter Dam | PERSO-039 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro West FGD Settling Pond Dam | PERSO-040 | DECOMISSIONED |
| Roxboro Electric Plant | Steam | Roxboro East FGD Settling Pond Dam | PERSO-041 | DECOMISSIONED |
| Roxboro Electric Plant | Steam | Roxboro FGD Forward Flush Pond Dam | PERSO-042 | DECOMISSIONED |

| | | | | |
|--------------------------------|-------|----------------------------------|-----------|---------------|
| Roxboro Electric Plant | Steam | Roxboro East Ash Basin Dam | PERSO-033 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro Intake Pond Dam | PERSO-043 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro Retention Basin Dam | PERSO-048 | ACTIVE |
| Roxboro Electric Plant | Steam | Roxboro Holding Basin Dam | PERSO-047 | ACTIVE |
| L. V. Sutton Energy Complex | | Sutton 1984 Ash Basin Dam | NEWHA-005 | DECOMISSIONED |
| L. V. Sutton Energy Complex | | Sutton 1971 (1983) Ash Basin Dam | NEWHA-004 | DECOMISSIONED |
| L. V. Sutton Energy Complex | | Sutton 1972 Cooling Lake Dam | NEWHA-003 | ACTIVE |
| W. H. Weatherspoon Power Plant | | Weatherspoon Cooling Lake Dam | ROBES-004 | ACTIVE |
| W. H. Weatherspoon Power Plant | | Weatherspoon 1979 Ash Basin Dam | ROBES-009 | ACTIVE |