

Coal Ash Quarterly Report

Statutory Authority: General Statute (G.S.) 130A-309.204(a)
Due Date: Oct. 1, 2021

Receiving Entities:
Environmental Review Commission

Submitting Entity:
NC Department of Environmental Quality

Department of Environmental Quality Quarterly Report October 1, 2021

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

- 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 must be submitted no later than December 31, 2019.

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 Plant, the Buck Combined Cycle Station was additionally selected for beneficial reuse. G.S. 130A–309.216(c) states that sites selected for beneficial 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.
- Updated corrective action plans have yet to be submitted for several facilities. Once corrective action plans are approved, then a final cost estimate can be determined.

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

- No update this quarter.

Allen Steam Station

- Assessment and Corrective Action Status
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - October 28, 2020 – DEQ approves the Closure Plan.
- NPDES permit NC0004979
 - July 26, 2021 – Major modification issued. Modification became effective August 1, 2021.

- SOC S17-009
 - Amendment is on hold.

Asheville Steam Electric Plant

- Assessment and Corrective Action Status
 - July 14, 2021 – Updated CSA for Impoundments and Other Primary and Secondary Sources Comment letter sent to Duke.
- Closure Status
 - June 7, 2021 – Asheville 1982 Basin Certification of Compliance with CAMA Closure Requirements sent to Duke.
 - May 28, 2021 – Documentation of Compliance with CAMA 1982 basin sent to Duke.
 - Excavation of the 1964 Basin is in progress.
 - Excavation of the 1982 Basin is complete.
- NPDES permit NC0000396
 - July 8, 2021 – Minor permit modification was issued.
- SOC S17-010
 - No update this quarter.

Belews Creek Steam Station

- Assessment and Corrective Action Status
 - July 13, 2021 – CSA for Other Primary and Secondary Sources (Coal Pile and Gypsum Pad) Comment letter sent to Duke.
 - July 7, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0024406
 - March 10, 2021 – Major modification issued and became effective April 1, 2021. Permit expires February 29, 2024.
- SOC S18-004
 - No update this quarter.
- SOC S18-009
 - No update this quarter.

Buck Combined Cycle Station

- Assessment and Corrective Action Status
 - July 12, 2021 – Updated CSA for Impoundments and Other Primary and Secondary Sources (Coal Pile) Comment letter sent to Duke.
- Closure Status
 - Closure is on-going.

- NPDES Permit NC0004774
 - No update this quarter.
- SOC S18-004
 - No update this quarter.

Cape Fear Steam Electric Plant

- Assessment and Corrective Action Status
 - July 14, 2021 – Updated CSA for Impoundments and Other Primary and Secondary Sources Comment letter sent to Duke.
- 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
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - Permit held pending changes to 40 CFR 423 being finalized.
 - February 12, 2021 – Second public notice (with additional changes)
 - Closure is on-going.
 - Excavation of the Inactive Units 1–4 is complete.
- NPDES permit NC0005088
 - June 11, 2021 – Major permit modification issued. Modification became effective July 1, 2021.
- SOC S17-009
 - Amendment is on hold.

Dan River Combined Cycle Station

- Assessment and Corrective Action Status
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - March 30, 2021 – DEQ informs Duke Energy that the 30-year post-closure period began on March 2, 2021 (date of DEQ’s closure response letter).
 - March 2, 2021 – DEQ provides response to Duke Energy on the May 19, 2020 Closure Report.

- Excavation is complete.
- NPDES permit NC0003468
 - June 3, 2021 – Permit renewal application received. Review pending.

H. F. Lee Energy Complex

- Assessment and Corrective Action Status
 - July 16, 2021 – Updated CSA for Impoundments and Other Primary and Secondary Sources Comment letter sent to Duke.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0003417
 - August 10, 2021 – Draft permit was submitted for public notice.
- SOC S18-006
 - No update this quarter.

Marshall Steam Station

- Assessment and Corrective Action Status
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0004987
 - May 8, 2021 – Major permit modification was issued. Permit became effective June 1, 2021.
- SOC S17-009
 - Amendment is on hold.

Mayo Steam Electric Plant

- Assessment and Corrective Action Status
 - July 19, 2021 – CSA for Other Primary and Secondary Sources (Gypsum Pad and Low Volume Wastewater Pond) Comment letter sent to Duke.
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0038377
 - July 27, 2021 – Draft permit submitted for public notice.
- SOC S18-005
 - No update this quarter.

Riverbend Steam Station

- Assessment and Corrective Action Status
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - March 30, 2021 – DEQ informs Duke Energy that the 30-year post-closure period began on October 9, 2020 (date of DEQ’s closure response letter).
 - October 9, 2020 – DEQ approves the Closure Report.
 - Excavation is complete.
- NPDES permit NC0004961
 - February 15, 2021 – Permit issued. Effective date is March 1, 2021.
- SOC S16–005
 - No update this quarter.

Roxboro Steam Electric Plant

- Assessment and Corrective Action Status
 - March 31, 2021 – Duke Energy submits a CSA for other primary and secondary sources. This includes the Coal Storage Pile
 - DWR is currently reviewing.
- Closure Status
 - Closure is on-going.
- NPDES permit NC0003425
 - June 25, 2021 – Major permit modification was issued. Permit became effective August 1, 2021.
- SOC S18–005
 - No update this quarter.

L. V. Sutton Energy Complex

- Assessment and Corrective Action Status
 - July 9, 2021 – Updated CAP Report for the Impoundments and Other Primary and Secondary Sources Conditional Approval and Additional Information Request letter sent to Duke.
- Closure Status
 - June 3, 2021 – Certification of Compliance with CAMA Closure Requirements letter sent to Duke.
 - Excavation of the 1971 Basin is complete.
 - Excavation of the 1984 Basin is complete.
- NPDES permit NC0001422
 - March 29, 2021 – Major modification application received.
 - Review pending.

W. H. Weatherspoon Power Plant

- Assessment and Corrective Action Status
 - July 15, 2021 – Updated CSA for Impoundments and Other Primary and Secondary Sources Comment letter sent to Duke.
- 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
 - Excavation and clearing begun in the area of the 3619 landfill.
- 3612-INDUS-2008: Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin)
 - No update this quarter.
- 3619-INDUS-20XX: North Starter Landfill
 - June 11, 2021 – PTC and PTO issued
- 3620-INDUS-20XX: 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.
- 1119-INDUS-2020
 - Continued landfill operations (ash excavated from the 1964 ash basin).
 - Landfill nears 50% of designed capacity, completion is expected in 2nd quarter 2022.

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

- Excavation Plan
 - No update this quarter.
- 8503-INDUS-1984: Pine Hall Road Landfill (closed, unlined – composite cap system)
 - Currently assessing the limits of the unlined/earthen capped area of the landfill (flat area), for extent and stability.
 - Groundwater Assessment
 - No update this quarter.
- 8504-INDUS-2007: Craig Road Landfill (open, lined)
 - No update this quarter.
 - Groundwater Assessment
 - No update this quarter.
- 8505-INDUS-2008: Flue Gas Desulfurization (FGD) Landfill (open, lined)
 - No updates at this time.
 - Groundwater Assessment
 - No update this quarter.
- 8506-INDUS-20XX: Basin Landfill
 - July 21, 2021- Pre-construction meeting held on site
 - July 9, 2021 – PTC and PTO issued

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

- 7906-INDUS-2016: CCR Landfill (open, lined)
 - July 9, 2021 – Recordation of the Closure Permit

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

- Excavation Plan
 - No update this quarter
- 7305-INDUS-2012: CCR Landfill (open, double lined)
 - No update this quarter.
 - Groundwater Assessment
 - No update this quarter.
- 7307-INDUS-20XX: Basin Landfill
 - August 27, 2021 – End of public comment period for draft PTC and PTO
 - August 10, 2021 – Virtual public hearing for draft permit
 - July 19, 2021 - Beginning of public comment period for draft PTC and PTO.

Marshall Steam Station – Catawba County (current coal fired)

- Excavation Plan
 - No update this quarter.
- 1804-INDUS-1983: Dry Ash Landfill (closed, unlined – Phase 2 composite cap system)
 - Phase 1/Area 1 to be closed by excavation
 - July 27, 2021 – Duke submitted permit modification for closure by excavation
 - August 3, 2021 – Duke submitted request for E&SC measures and tree removal
 - August 4, 2021 – DEQ issued approval for E&SC measures and tree removal
 - August 6, 2021 – DEQ issued approval of permit modification
 - Groundwater Assessment
 - No update this quarter.
- 1809-INDUS: FGD Landfill (closed, lined)
 - No update this quarter.
 - Groundwater Assessment
 - No update this quarter.
- 1812-INDUS-2008: Industrial Landfill #1 (open, double-lined)
 - Continued operation of landfill – Phase 1, Cells 3 and 4.
 - Phase 2, Cell 5 under construction.
 - July 14, 2021 – Site visit to inspect construction of Cell 5.
- MAR-152: Storm Water Reroute Project
 - July 8, 2021 – DEQ issued approval of Blasting Plan.
 - June 25, 2021 – Duke submitted Blasting Plan.
 - June 18, 2021 - Visual Removal Verification letter for Area 3, Grid AO-8.

Rogers Energy Complex – Rutherford County (current coal fired)

- Excavation Plan
 - No update this quarter
- 8106–INDUS–2009: CCR Landfill (open, lined)
 - July 2021 – Phase 3 in operation
 - July 26, 2021 – Phase 4, PTO issued

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

- Excavation Plan
 - No update this quarter
- 7302–INDUS–2021: Proposed new onsite landfill expansion (double lined, partially on top of excavated ash basin)
 - July 27, 2021 – DEQ issued PTC and PTO permit, Phases 7-12
 - July 2, 2021 – End of 45-day public comment period for draft PTC and PTO.

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

- 6512–INDUS–2016: CCR Landfill (closed, double lined)
 - No update this quarter.

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.

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.

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

- No update this quarter.

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

- July 26, 2021 – DEQ rescinded permit.

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)

- June 29, 2021 – DEQ approved Water Quality Monitoring Plan.

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.

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

Asheville Steam Electric Plant

- Dam Safety
 - BUNCO-088 (ASHEVILLE LAKE JULIAN DAM)
 - 05/25/21 – Received submittal for the repair of the existing dam in order to improve the north abutment ditch to contain surface flows for BUNCO-088 Scope 9.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Belews Creek Steam Station

- Dam Safety
 - STOKE-116 (BELEWS CREEK ACTIVE ASH BASIN DAM)
 - 06/22/21 – Received revised submittal for the modification of the existing dam in order to accommodate the planned closure of the ash basin and construction of the landfill for STOKE-116 Scope 10.
 - 06/30/21 – Certificate of Approval to Modify issued.
 - STOKE-120 (BELEWS CREEK HOLDING BASIN DAM)
 - 06/22/21 – Received revised submittal for the modification of the existing dam in order to accommodate the planned closure of the ash basin and construction of the landfill for STOKE-120 Scope 2.
 - 06/30/21 – Certificate of Approval to Modify issued.
 - STOKE-121 (BELEWS CREEK RETENTION BASIN DAM)

- 06/22/21 – Received submittal for the modification of the existing dam in order to accommodate the planned closure of the ash basin and construction of the landfill for STOKE-121 Scope 3.
 - 06/30/21 – Certificate of Approval to Modify issued.
- STOKE-117 (BELEWS CREEK SADDLE DIKE #1)
 - 7/9/21 – Notice of Inspection Issued.
 - 6/10/21 – Annual Inspection Performed.
- STOKE-118 (BELEWS CREEK SADDLE DIKE #2)
 - 7/9/21 – Notice of Inspection Issued.
 - 6/10/21 – Annual Inspection Performed.
- STOKE-119 (BELEWS CREEK SADDLE DIKE #3)
 - 7/9/21 – Notice of Inspection Issued.
 - 6/10/21 – Annual Inspection Performed.
- ROCKI-235 (BELEWS CREEK SADDLE DIKE #4)
 - 7/9/21 – Notice of Inspection Issued.
 - 6/10/21 – Annual Inspection Performed.
- ROCKI-236 (BELEWS LAKE MAIN DAM)
 - 7/9/21 – Notice of Inspection Issued.
 - 6/10/21 – Annual Inspection Performed.
- Erosion and Sediment Control and Construction Storm Water
 - STOKE-2021-008
 - 6/23/21 – Inspection – Compliant
 - STOKE-2021-004
 - 6/23/21 – Inspection – Compliant
 - STOKE-2020-007
 - 6/23/21 – Inspection – Compliant
- NPDES Storm Water
 - No update this quarter.

Buck Combined Cycle Station

- Dam Safety
 - ROWAN-071 (BUCK ASH BASIN DIVIDER DAM)
 - 6/29/21 – Certificate of Final Approval issued for emergency repair.
 - 6/28/21 – Regional comments for as-built inspection submitted to Dam Safety.
 - 6/24/21 – As-built inspection of emergency repair.
 - 06/14/21 – Received as-built submittal for the repair of the existing dam’s slough near toe for ROWAN-071.
 - 06/29/21 – Certificate of Final Approval to Repair issued.
- Erosion and Sediment Control and Construction Storm Water
 - ROWAN-2019-016
 - 6/24/21 – Inspection – Closed
- NPDES Storm Water

- No update this quarter.

Cape Fear Steam Electric Plant

- Dam Safety
 - CHATH-022 (BUCKHORN LAKE DAM)
 - 03/30/21 – Received revised submittal for the lowering of the crest of the existing earthen embankment in order to improve factors of safety on the downstream slopes of the embankment, and lessening the lateral forces on the eastern abutment wall for CHATH-022 Scope 3.
 - 05/12/21 – Certificate of Approval to Modify issued.
 - CHATH-075 (CAPE FEAR 1956 ASH BASIN DAM)
 - 08/04/21 – Received submittal requesting a change of EOR for CHATH-075 Scope 7.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

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

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - CLEVE-2022-001 (Active Ash Basin Haul Rd Ex.)
 - 7/26/21 – Express Plan received and approved on 7/6/21.
- NPDES Storm Water
 - No update this quarter.

Dan River Combined Cycle Station

- 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.

H.F. Lee Energy Complex

- Dam Safety
 - WAYNE-031 (HF LEE INACTIVE ASH BASIN #1 DAM)
 - 08/09/21 – Received submittal for the installation of steel sheet pile walls around the interior crest of the basin for WAYNE-031 Scope 4.
 - 06/08/21 Response to NOD received.
 - 07/30/21 – Updated EAP received.
 - 08/13/21 – Request for COAR – Scope 4 (steel sheet pile installation)

- WAYNE-032 (HF LEE INACTIVE ASH BASIN #2 DAM)
 - 08/13/21 – Request for COAR – Scope 7 (sheet pile installation)
 - 08/09/21 – Received submittal for the installation of steel sheet pile walls around the interior crest of the basin for WAYNE-032 Scope 7.
 - 07/30/21 – Updated EAP received
 - 06/08/21 – Response to NOD received
- WAYNE-009 (HF LEE COOLING LAKE DAM)
 - 05/10/21 – Final Approval to Repair issued – Scope 7 (Removal of vegetation along the old spillway)
 - 03/24/21 – Approval of Emergency Action Plan issued.
 - 07/30/21 – Updated EAP received
- WAYNE-022 (HF LEE ACTIVE ASH BASIN)
 - 07/30/21 – Updated EAP received
- WAYNE-033 (HF LEE INACTIVE BASIN#3)
 - 06/08/21 Response to NOD received
 - 07/30/21 – Updated EAP received
- Erosion and Sediment Control and Construction Storm Water
 - 05/26/2021 - WAYNE-2016-010 Revision to inactive basins 1 and 2 closure
 - 07/22/2021 – WAYNE-2022-003 Duke Energy Lee Station Security upgrade (express)
- NPDES Storm Water
 - No update this quarter.

Marshall Steam Station

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - CATAW-2022-003
 - Marshall 1804 Landfill (Ph 1) Closure – field inspection was done to verify the field conditions before approval.
 - CATAW-2022-003
 - Marshall 1804 Landfill (Ph 1) Closure – Express plan received on 7/29/21 and approved with modifications 8/2/21.
 - CATAW-2021-020
 - Marshall Structural Fill Geosynthetic Cap – Plan received on 6/22/21 and approved with modifications on 7/22/21.
- NPDES Storm Water
 - No update this quarter.

Mayo Steam Electric Plant

- Dam Safety
 - PERSO-034 (MAYO LAKE DAM)

- 05/19/21 – Received submittal requesting a change of Engineer of Record for PERSO-034 Scope 3.
 - 05/21/21 – Change of EOR Acceptance issued.
 - 08/04/21 – Received submittal requesting a change of EOR for PERSO-034 Scope 3.
 - Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
 - NPDES Storm Water
 - 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
 - No update this quarter.

Roxboro Steam Electric Plant

- 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.

L. V. Sutton Energy Complex

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - 03/05/21 – The E&SC permit was closed.
- NPDES Storm Water
 - No update this quarter.

Brickhaven No 2. Tract “A”

- Dam Safety
 - No update this quarter.
- Mining
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Colon Mine Permit 53-05

- Dam Safety
 - No update this quarter.
- Erosion and Sediment Control
 - No update this quarter.
- Mining
 - 07/26/2021 – Modification to change Reclamation Plan to remove plan to reclaim as coal ash structural and to reclaim with vegetation.
- NPDES Storm Water
 - No update this quarter.

W. H. Weatherspoon Power Plant

- Dam Safety
 - ROBES-004 (Cooling Pond Dam)
 - 08/09/21 – Issued NOD
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - 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 Steam Station)	Cliffside Inactive Ash Basin #5 Main Dam	RUTHE-070	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Inactive Ash Basin #5 Saddle Dam	RUTHE-072	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Active Ash Basin Upstream Dam	CLEVE-050	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Active Ash Basin Downstream Dam	CLEVE-049	INACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Retention Basin Dam (Formerly Inactive Ash Basin #1-4 Main Dam)	CLEVE-047	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam 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 Steam Station	Marshall Active Ash Basin Dam	CATAW-054	INACTIVE
Marshall Steam Station	Marshall Retention Basin Dam	CATAW-076	ACTIVE
Marshall Steam Station	Marshall Holding Basin Dam	CATAW-075	ACTIVE
Marshall Steam Station	Marshall West Temporary SWP	CATAW-077	ACTIVE
Marshall Steam Station	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 Steam Station	Riverbend Active Primary Ash Basin Dam	GASTO-097	DECOMISSIONED
Riverbend Steam Station	Riverbend Active Secondary Ash Basin Dam	GASTO-098	DECOMISSIONED
Riverbend Steam Station	Riverbend Intermediate Dam	GASTO-099	DECOMISSIONED
Riverbend Steam Station	Riverbend Fuel Containment Dam	GASTO-105	DECOMISSIONED
Roxboro Steam Electric Plant	Lake Hyco Dam	PERSO-002	ACTIVE
Roxboro Steam Electric Plant	Roxboro Afterbay Dam Reservoir	PERSO-013	ACTIVE
Roxboro Steam Electric Plant	Roxboro West Ash Basin Dam	PERSO-038	ACTIVE

Roxboro Steam Electric Plant	Roxboro West Ash Basin Rock Filter Dam	PERSO-039	ACTIVE
Roxboro Steam Electric Plant	Roxboro West FGD Settling Pond Dam	PERSO-040	ON-GOING DECOMISSION
Roxboro Steam Electric Plant	Roxboro East FGD Settling Pond Dam	PERSO-041	ON-GOING DECOMISSION
Roxboro Steam Electric Plant	Roxboro FGD Forward Flush Pond Dam	PERSO-042	ON-GOING DECOMISSION
Roxboro Steam Electric Plant	Roxboro East Ash Basin Dam	PERSO-033	ACTIVE
Roxboro Steam Electric Plant	Roxboro Intake Pond Dam	PERSO-043	ACTIVE
Roxboro Steam Electric Plant	Roxboro Retention Basin Dam	PERSO-048	ACTIVE
Roxboro Steam Electric Plant	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