

Report to the North Carolina General Assembly



Coal Ash Impoundments Annual Report

October 1, 2024

Division of Water Resources

**NORTH CAROLINA DEPARTMENT
OF ENVIRONMENTAL QUALITY**

Pursuant to G.S. 130A-309.204(b)

**DEPARTMENT OF ENVIRONMENTAL QUALITY
COAL ASH MANAGEMENT ACT ANNUAL REPORT
OCTOBER 1, 2024**

Purpose

This report is submitted to meet the requirements of Session Law 2024-45 Senate Bill 607 which amended General Statute 130A-309.204(a) of the Coal Ash Management Act of 2014 (CAMA) which includes Session Law 2014-122 (Senate Bill 729) and Session Law 2016-95 (House Bill 630).

Currently, CAMA requires the North Carolina Department of Environmental Quality to submit quarterly and annual reporting on operations, activities, programs and progress relating to coal combustion residuals surface impoundments.

In regard to annual reporting, General Statute 130A-309.204(b) states,

On or before October 1 of each year, the Department shall report to each member of the General Assembly who has a coal combustion residuals surface impoundment in the member's district. This report shall include the location of each impoundment in the member's district, the amount of coal combustion residuals known or believed to be located in the impoundment, the last action taken at the impoundment, and the date of that last action.

However, in regard to quarterly reporting, Session Law 2024-45 (Senate Bill 607) amends General Statute 130A-309.204(a) of CAMA to say:

The Department shall submit ~~quarterly written reports~~ an annual report no later than October 1 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. This report may be combined with the report to members of the General Assembly required by subsection (b) of this section. 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.

Therefore, this report will be a combination of and include the required elements of the annual reporting as referenced in General Statute 130A-309.204(b) and General Statute 130A-309.204(a) as amended by Session Law 2024-45 (Senate Bill 607) as stated above.

Report Structure

This report is broken down into the following Sections:

Section 1: Acronyms Used Throughout

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Section 3: Coal Ash Ponds by North Carolina House Districts

Section 4: Coal Ash Ponds by North Carolina Senate Districts

Section 5: Summary of Coal Ash Regulations

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SECTION 1: ACRONYMS USED THROUGHOUT

The following acronyms may be used in the report:

- A/M – Approval with Modifications
- BTVs – Background Threshold Values
- CAMA – Coal Ash Management Act
- 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
- EMP – Effectiveness Monitoring Plan
- EOR – Engineer of Record
- ESC or E&SC – Erosion and Sediment Control Plan
- FGD – Flue-gas Desulfurization
- G.S. – General Statute
- NC – North Carolina
- NCAC – North Carolina Administrative Code
- NOD – Notice of Deficiency
- NOI – Notice of Intent
- NOI – Notice of Inspection (DEMLR)
- NOV – Notice of Violation
- NPDES – National Pollution Discharge Elimination System
- PMP – Probable Maximum Precipitation
- PTC – Permit to Construct
- PTO – Permit to Operate
- SOC – Special Order by Consent
- STAR – Staged Turbulent Air Reactor
- UIC – Underground Injection Control
- WQMP – Water Quality Monitoring Plan

SECTION 2: LOCATION OF COAL ASH FACILITIES

The following table details information required in General Statute 130A-309.204(b). The amount of coal combustion residuals known or believed to be located in the impoundment can be found in Section 11. The date of that last action taken can be found in Sections 8 through 10.

Duke Energy Facility Name	Address
Allen Steam Station	253 Plant Allen Road, Belmont, NC 28012
Asheville Steam Electric Plant	200 CP&L Drive, Arden, NC 28704
Belews Creek Steam Station	3195 Pine Hall Road, Belews Creek, NC 27009
Buck Combined Cycle Station	1555 Dukeville Road, Salisbury, NC 28146
Cape Fear Steam Electric Plant	500 CP&L Road, Moncure, NC 27559
James E. Rogers Energy Complex (formerly Cliffside Steam Station)	573 Duke Power Road, Mooresboro, NC 28114
Dan River Combined Cycle Station	900 South Edgewood Road, Eden, NC 27288
H. F. Lee Energy Complex	1677 Old Smithfield Road, Goldsboro, NC 27530
Marshall Steam Station	8320 East NC Highway 150, Terrell, NC 28682
Mayo Steam Electric Plant	10660 Boston Road, Roxboro, NC 27573
Riverbend Steam Station	175 Steam Plant Road, Mount Holly, NC 28120
Roxboro Steam Electric Plant	1700 Dunnaway Road, Semora, NC 27343
L. V. Sutton Energy Complex	801 Sutton Steam Plant Road, Wilmington, NC 28401
W. H. Weatherspoon Power Plant	491 Power Plant Road, Lumberton, NC 28358

SECTION 3: COAL ASH PONDS BY NORTH CAROLINA HOUSE DISTRICTS

The following table details information required in General Statute 130A-309.204(b). The amount of coal combustion residuals known or believed to be located in the impoundment can be found in Section 11. The date of that last action taken can be found in Sections 8 through 10.

NC House District	Facility	Impoundment Designation	Status ¹
2	Mayo Steam Electric Plant	Mayo Ash Pond	Inactive
2	Roxboro Steam Electric Plant	Roxboro West Ash Pond	Active
2	Roxboro Steam Electric Plant	Roxboro East Ash Pond (including ash stack)	Inactive
10	H.F. Lee Energy Complex	H.F. Lee Active Ash Pond	Inactive
10	H.F. Lee Energy Complex	H.F. Lee Ash Triangle Pond	Inactive
10	H.F. Lee Energy Complex	H.F. Lee Ash Pond 1	Inactive
10	H.F. Lee Energy Complex	H.F. Lee Ash Pond 2	Inactive
10	H.F. Lee Energy Complex	H.F. Lee Ash Pond 3	Inactive
18	L.V. Sutton Energy Complex	Sutton 1971 Ash Pond	Excavated
18	L.V. Sutton Energy Complex	Sutton 1984 Ash Pond	Excavated
46	W. H. Weatherspoon Power Plant	Weatherspoon 1979 Ash Pond	Inactive
54	Cape Fear Steam Electric Plant	Cape Fear 1956 Ash Pond	Inactive
54	Cape Fear Steam Electric Plant	Cape Fear 1963 Ash Pond	Inactive
54	Cape Fear Steam Electric Plant	Cape Fear 1970 Ash Pond	Inactive
54	Cape Fear Steam Electric Plant	Cape Fear 1978 Ash Pond	Inactive
54	Cape Fear Steam Electric Plant	Cape Fear 1985 Ash Pond	Inactive
65	Dan River Combined Cycle Station	Dan River Active Primary Ash Basin	Excavated
65	Dan River Combined Cycle Station	Dan River Active Secondary Ash Basin	Excavated
76	Buck Combined Cycle Station	Buck Steam Station Basin 1	Inactive
76	Buck Combined Cycle Station	Buck Steam Station Basin 2	Inactive
76	Buck Combined Cycle Station	Buck Steam Station Basin 3	Inactive
89	Marshall Steam Station	Marshall Active Ash Basin	Active
91	Belews Creek Steam Station	Belews Creek Active Ash Basin	Active
108	Riverbend Steam Station	Riverbend Primary & Secondary Basins	Excavated
109	Allen Steam Station	Allen Active Ash Basin	Active
109	Allen Steam Station	Allen Retired Ash Basin	Inactive
111	James E. Rogers Energy Complex	Cliffside Active Ash Basin	Active
111	James E. Rogers Energy Complex	Cliffside Inactive Ash Basin 1-4	Excavated
111	James E. Rogers Energy Complex	Cliffside Inactive Ash Basin #5	Excavated
115	Asheville Steam Electric Plant	Asheville 1964 Ash Pond	Excavated
115	Asheville Steam Electric Plant	Asheville 1982 Ash Pond	Excavated

¹Active and Inactive are NOT receiving either sluiced fly ash or bottom ash.

SECTION 4: COAL ASH PONDS BY NORTH CAROLINA SENATE DISTRICTS

The following table details information required in General Statute 130A-309.204(b). The amount of coal combustion residuals known or believed to be located in the impoundment can be found in Section 11. The date of that last action taken can be found in Sections 8 through 10.

NC Senate District	Facility	Impoundment Designation	Status ¹
4	H.F. Lee Energy Complex	H.F. Lee Active Ash Pond	Inactive
4	H.F. Lee Energy Complex	H.F. Lee Ash Triangle Pond	Inactive
4	H.F. Lee Energy Complex	H.F. Lee Ash Pond 1	Inactive
4	H.F. Lee Energy Complex	H.F. Lee Ash Pond 2	Inactive
4	H.F. Lee Energy Complex	H.F. Lee Ash Pond 3	Inactive
7	L.V. Sutton Energy Complex	Sutton 1971 Ash Pond	Excavated
7	L.V. Sutton Energy Complex	Sutton 1984 Ash Pond	Excavated
20	Cape Fear Steam Electric Plant	Cape Fear 1956 Ash Pond	Inactive
20	Cape Fear Steam Electric Plant	Cape Fear 1963 Ash Pond	Inactive
20	Cape Fear Steam Electric Plant	Cape Fear 1970 Ash Pond	Inactive
20	Cape Fear Steam Electric Plant	Cape Fear 1978 Ash Pond	Inactive
20	Cape Fear Steam Electric Plant	Cape Fear 1985 Ash Pond	Inactive
23	Mayo Steam Electric Plant	Mayo Ash Pond	Inactive
23	Roxboro Steam Electric Plant	Roxboro West Ash Pond	Active
23	Roxboro Steam Electric Plant	Roxboro East Ash Pond (including ash stack)	Inactive
24	W. H. Weatherspoon Power Plant	Weatherspoon 1979 Ash Pond	Inactive
26	Dan River Combined Cycle Station	Dan River Active Primary Ash Basin	Excavated
26	Dan River Combined Cycle Station	Dan River Active Secondary Ash Basin	Excavated
31	Belews Creek Steam Station	Belews Creek Active Ash Basin	Active
33	Buck Combined Cycle Station	Buck Steam Station Basin 1	Inactive
33	Buck Combined Cycle Station	Buck Steam Station Basin 2	Inactive
33	Buck Combined Cycle Station	Buck Steam Station Basin 3	Inactive
43	Allen Steam Station	Allen Active Ash Basin	Active
43	Allen Steam Station	Allen Retired Ash Basin	Inactive
43	Riverbend Steam Station	Riverbend Primary & Secondary Basins	Excavated
44	James E. Rogers Energy Complex	Cliffside Active Ash Basin	Active
44	James E. Rogers Energy Complex	Cliffside Inactive Ash Basin 1-4	Excavated
45	Marshall Steam Station	Marshall Active Ash Basin	Active
48	James E. Rogers Energy Complex	Cliffside Inactive Ash Basin #5	Excavated
49	Asheville Steam Electric Plant	Asheville 1964 Ash Pond	Excavated
49	Asheville Steam Electric Plant	Asheville 1982 Ash Pond	Excavated

¹Active and Inactive are NOT receiving either sluiced fly ash or bottom ash.

SECTION 5: SUMMARY OF COAL ASH REGULATIONS

The following section provides a brief background summary of laws, regulations, and legal orders that influence the required content of this report.

Coal Ash Management Act

On September 20, 2014, Session Law 2014-122 (Senate Bill 729) was enacted. G.S. 130A-309.200 was titled “Coal Ash Management Act of 2014” (or referred to as CAMA). On July 16, 2016, Session Law 2016-95 (House Bill 630) was ratified which, in part, amended portions of the previous Session Law 2014-122 (Senate Bill 729).

Prioritization

CAMA required, in part, that the impoundments at the CCR facilities be prioritized and then closed based on their prioritization (risk). High-risk impoundments were to be closed by December 31, 2019, and closed by either (a) converting them to an industrial landfill or (b) removing the CCR and returning the former impoundment to a nonerosive and stable condition. Intermediate-risk impoundments were to be closed by December 31, 2024, and closed by either (a) converting them to an industrial landfill or (b) removing the CCR and returning the former impoundment to a nonerosive and stable condition. Low-risk impoundments were to be closed by December 31, 2029, and closed by either (a) converting them to an industrial landfill, (b) removing the CCR and returning the former impoundment to a nonerosive and stable condition, or (c) capping the impoundment and leaving the CCR in place.

Facilities classified as high–priority (risk) per CAMA Session Law 2014–122 (Senate Bill 729) Section 3.(b) were:

- Asheville Steam Station
- Dan River Combined Cycle Station
- Riverbend Steam Station
- L. V. Sutton Energy Complex

Facilities classified as intermediate–priority (risk) per CAMA Session Law 2016–95 (House Bill 630) Section 3.(a) were:

- H. F. Lee Energy Complex
- Cape Fear Steam Electric Plant
- W. H. Weatherspoon Power Plant

Per CAMA Session Law 2016–95 (House Bill 630) 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.

On November 13, 2018, DEQ deemed that the following facilities were low-priority (risk) based on criteria under CAMA Session Law 2016–95 (House Bill 630) G.S. 130A–309.213(d)(1).

- 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

General Costs

As required by G.S. 130A–309.214(a)(4)(m), projected costs of assessment, corrective action, closure, and post-closure care for each coal combustion residuals surface impoundment are required to be included with the site closure plans and corrective action plans. These cost estimates were included in the Updated CAPs for each facility.

Settlement Agreement

On December 31, 2019, a Settlement Agreement was signed between Duke Energy, DEQ, and several Community Groups and pertained to the impoundments at the Allen Steam Station, Belews Creek Steam Station, James E. Rogers Energy Complex (formerly Cliffside Steam Station), Marshall Steam Station, Mayo Steam Electric Plant, and the Roxboro Steam Electric Plant. Among other requirements, the Settle Agreement required Duke Energy to (a) completely remove the CCR from the impoundments and place the CCR in lined landfills and (b) also specified alternate closure dates as required in CAMA for the facilities.

Consent Order

On February 5, 2020, a Consent Order was signed between Duke Energy, Plaintiff-Intervenors, and DEQ. The Consent Order required additional site-specific actions that supersede the 2019 Settlement Agreement all other agreements, general statutes, and laws and pertained to the CCR impoundments at the Allen Steam Station, Belews Creek Steam Station, James E. Rogers Energy Complex (formerly 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>.

Session Law 2023-138 (Senate Bill 678)

On October 10, 2023, Session Law 2023-138 (Senate Bill 678) was enacted. Section 3.(b) was added to CAMA and stated that the following coal combustion residuals surface impoundments shall be closed as soon as practicable but not later than the dates listed below, except as otherwise preempted by the requirements of federal law, and notwithstanding any applicable deadlines established in State law, including (i) G.S. 130A-309.214, as amended by subsection (a) of this section, (ii) G.S. 130A-309.216, and (iii) Session Law 2014-122 and Session Law 2016-95:

- Allen Steam Station – December 31, 2038
- Belews Creek Steam Station – December 31, 2034
- Buck Combined Cycle Station – December 31, 2035

- Cape Fear Steam Electric Plant – December 31, 2035
- James E. Rogers Energy Complex (formerly Cliffside Steam Station) – December 31, 2029
- H.F. Lee Energy Complex – December 31, 2035
- Marshall Steam Station – December 31, 2035
- Mayo Steam Electric Plant – December 31, 2029
- Roxboro Steam Electric Plant – December 31, 2036

Note that Asheville Steam Station, Dan River Combined Cycle Station, Riverbend Steam Station, and L. V. Sutton Energy Complex had already been excavated and closed. Also note that, although W. H. Weatherspoon was not listed in the Settlement Agreement, Consent Order, or Session Law 2023-138 (Senate Bill 678), it remains required to be closed by December 31, 2029, and Duke Energy has committed to completely excavating the CCR for beneficial reuse.

Division of Water Resources

The Division of Water Resources regulates the assessment and corrective action of Surface Impoundments in accordance with CAMA Session Law 2014–122 (Senate Bill 729) and Session Law 2016–95 (House Bill 630), as well as, G.S. 143–215, *Control of Sources of Water Pollution; Permits Required* and Title 15A of NCAC 02L *Classification and Water Quality Standards Applicable to Groundwaters of the State* (02L).

Division of Waste Management

The North Carolina Division of Waste Management regulates industrial coal combustion residual landfills and structural fills in accordance with CAMA as well as the General Statutes Chapter 130A Article 9 and Administration Code Title 15A Subchapter 13B.

Division of Energy, Mineral, and Land Resources

The North Carolina Division of Energy, Mineral, and Land Resources regulates industrial coal combustion residual landfills in accordance with CAMA Session Law 2014–122 (Senate Bill 729) and Session Law 2016–95 (House Bill 630), 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.

SECTION 6: ANNUAL GROUNDWATER PROTECTION AND RESTORATION
REPORT SUMMARY

CAMA Session Law 2016–95 (House Bill 630) G.S. 130A-309.211(d) states,

Reporting. – In addition to any other reporting required by the Department, the owner of a coal combustion residuals surface impoundment shall submit an annual Groundwater Protection and Restoration Report to the Department no later than January 31 of each year. The Report shall include a summary of all groundwater monitoring, protection, and restoration activities related to the impoundment for the preceding year, including the status of the Groundwater Assessment Plan, the Groundwater Assessment Report, the Groundwater Corrective Action Plan, the Drinking Water Supply Well Survey, and the replacement of any contaminated drinking water supply wells.

On January 8, 2023, Duke Energy requested to combine the Annual Groundwater Protection and Restoration Report with Annual Surface Water Protection and Restoration Report into a single report starting in 2024 (for the calendar year 2023) and going forward. On January 9, 2023, DEQ approved this request so long as the combined report adheres to the requirements of CAMA Session Law 2016–95 (House Bill 630) G.S. 130A-309.211(d) and 130A-309.212(e) and is submitted no later than January 31 of each year.

The newly combined Annual Groundwater Protection and Restoration Reports and Annual Surface Water Protection and Restoration Reports are very concise and do not lend themselves to being summarized. Therefore, it has been attached to this report for your convenience.

SECTION 7: ANNUAL SURFACE WATER PROTECTION AND RESTORATION
REPORT SUMMARY

CAMA Session Law 2016–95 (House Bill 630) G.S. 130A-309.212(e) states,

Reporting. – In addition to any other reporting required by the Department, the owner of a coal combustion residuals surface impoundment shall submit an annual Surface Water Protection and Restoration Report to the Department no later than January 31 of each year. The Report shall include 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.

On January 8, 2023, Duke Energy requested to combine the Annual Groundwater Protection and Restoration Report with Annual Surface Water Protection and Restoration Report into a single report starting in 2024 (for the calendar year 2023) and going forward. On January 9, 2023, DEQ approved this request so long as the combined report adheres to the requirements of CAMA Session Law 2016–95 (House Bill 630) G.S. 130A-309.211(d) and 130A-309.212(e) and is submitted no later than January 31 of each year.

The newly combined Annual Groundwater Protection and Restoration Reports and Annual Surface Water Protection and Restoration Reports are very concise and do not lend themselves to being summarized. Therefore, it has been attached to this report for your convenience.

SECTION 8: DIVISION OF WATER RESOURCES CCR STATUS

The following general and site-specific actions and/or status notes provided in each subsection are either on-going or have occurred since the submittal of the previous report.

General Actions for All Surface Impoundments

All Facilities

- No updates this quarter.

Site Specific Actions for Surface Impoundments

Allen Steam Station

- Assessment and Corrective Action Status
 - No update this quarter.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the Active Ash Basin is on-going.
 - Excavation and closure of the Retired Ash Basin is on-going.
- NPDES Permit NC0004979
 - Permit currently in review.

Asheville Steam Electric Plant

- Assessment and Corrective Action Status
 - No update this quarter.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the 1964 Basin is complete.
 - 30-Year post closure care period began October 17, 2022.
 - Excavation and closure of the 1982 Basin is complete.
 - 30-Year post closure care period began June 8, 2021.
- NPDES Permit NC0000396
 - Permit is currently in draft.

Belews Creek Steam Station

- Assessment and Corrective Action Status
 - No update this quarter.
 - Duke is continuing to implement the approved corrective actions for the CCR basin.
- Closure Status
 - Excavation and closure of the Active Ash Basin is on-going.
- NPDES Permit NC0024406
 - Permit is currently in draft.

Buck Combined Cycle Station

- Assessment and Corrective Action Status
 - August 29, 2024 – Duke submits work plan for extraction well system to be placed along the southeastern edge of Ash Basin 3’s lower finger pond, referred to as the Charlie Pond.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of Ash Basin 1 is on-going.
 - Excavation and closure of Ash Basin 2 is on-going.
 - Excavation and closure of Ash Basin 3 is on-going.
- NPDES Permit NC0004774
 - Permit currently in review.

Cape Fear Steam Electric Plant

- Assessment and Corrective Action Status
 - No update this quarter.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the 1956 Basin is complete.
 - 30-Year post closure care period began February 20, 2023.
 - Excavation and closure of the 1963 Basin is on-going.
 - Excavation and closure of the 1970 Basin is on-going.
 - Excavation and closure of the 1978 Basin is on-going.
 - Excavation and closure of the 1985 Basin is on-going.
- NPDES Permit NC0003433
 - June 17, 2024 – Permit renewal issued. Expires July 31, 2029.

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

- Assessment and Corrective Action Status
 - No update this quarter.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
 - Duke is continuing to implement the approved corrective actions for the coal pile area.
- Closure Status
 - Excavation and closure of Active Basin is on-going.
 - Excavation and closure of the Inactive Units 1–4 is complete.
 - 30-Year post closure care period began August 10, 2018.
 - Excavation and closure of the Inactive Unit 5 is complete.
 - 30-Year post closure care period began February 14, 2024.
- NPDES Permit NC0005088
 - Permit currently in review.

Dan River Combined Cycle Station

- Assessment and Corrective Action Status
 - No update this quarter.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the Primary Basin is complete.
 - 30-Year post closure care period began March 2, 2021.
- NPDES Permit NC0003468
 - Permit issued September 23, 2022. Expires October 31, 2027.

H. F. Lee Energy Complex

- Assessment and Corrective Action Status
 - No update this quarter.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the Active Ash Basin is on-going.
 - Excavation and closure of Ash Pond 1 is on-going.
 - Excavation and closure of Ash Pond 2 is on-going.
 - Excavation and closure of Ash Pond 3 is on-going.
- NPDES Permit NC0003417
 - Permit currently in review.

Marshall Steam Station

- Assessment and Corrective Action Status
 - No update this quarter.
 - Duke is continuing to implement the approved corrective actions for the CCR basin.
- Closure Status
 - Excavation and closure of the Retired Ash Basin is on-going.
- NPDES Permit NC0004987
 - Permit issued April 11, 2022. Expires April 30, 2027.

Mayo Steam Electric Plant

- Assessment and Corrective Action Status
 - No update this quarter.
- Closure Status
 - Excavation and closure of the Ash Basin is on-going.
- NPDES Permit NC0038377
 - Permit issued March 28, 2024. Expires April 30, 2029.

Riverbend Steam Station

- Assessment and Corrective Action Status
 - No update this quarter.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the Primary is complete.
 - 30-Year post closure care period began October 9, 2020.
 - Excavation and closure of the Secondary Basin is complete.
 - 30-Year post closure care period began October 9, 2020.
- NPDES Permit NC0004961
 - Permit issued February 15, 2021. Expires February 28, 2026.

Roxboro Steam Electric Plant

- Assessment and Corrective Action Status
 - No update this quarter.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the Eastern Extension Impoundment is on-going.
 - June 28, 2024 – Duke submits revised excavation plan for the Eastern Extension Impoundment
 - July 24 24, 2024 – DEQ approves revised plan.
 - Excavation and closure of the East Ash Basin is on-going.
 - Excavation and closure of the West Ash Basin is on-going.
- NPDES Permit NC0003425
 - Permit issued June 25, 2021. Expires June 30, 2025.

L. V. Sutton Energy Complex

- Assessment and Corrective Action Status
 - May 16, 2024 – Duke submits request to shut down groundwater extraction system due to groundwater meeting or exceeding 2L Standards at the compliance boundary.
 - June 6, 2024 – DEQ approves request with the condition that they continue to monitor for two additional quarters to determine if rebounding occurs and then submit a final request to terminate the extraction.
 - EMP approved.
 - Duke is continuing to implement the approved corrective actions for the CCR basins.
- Closure Status
 - Excavation and closure of the 1971 Basin is complete.
 - 30-Year post closure care period began June 4, 2021.
 - Excavation and closure of the 1984 Basin is complete.
 - 30-Year post closure care period began June 4, 2021.
- NPDES Permit NC0001422

- Permit issued February 20, 2023. Expires March 31, 2028.

W. H. Weatherspoon Power Plant

- Assessment and Corrective Action Status
 - April 1, 2024 – Duke submits revised CAP for the former coal pile area.
 - July 17, 2024 – DEQ conditionally approves the CAP.
 - EMP approved.
 - Duke is implementing the approved corrective actions for the former coal pile area.
- Closure Status
 - Excavation and closure of the 1979 Basin is on-going.
- NPDES Permit NC0005363
 - Permit is currently in draft.

SECTION 9: DIVISION OF WASTE MANAGEMENT CCR STATUS

The following site-specific actions and/or status notes provided in each subsection are either on-going or have occurred since the submittal of the previous report.

CCR Landfills At Duke Energy Coal Ash Facilities

Allen Steam Station

- Site Visits
 - No update this quarter.
- 3612-INDUS-2008: Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin).
 - Continued semi-annual detection monitoring (leachate only).
- 3619-INDUS-2021: North Starter Landfill
 - Continued operations.
 - Semi-annual detection monitoring (leachate only).
- 3620-INDUS-2022: South Starter Landfill
 - Construction ongoing for landfill.
 - Approved revised base grades.
 - Approved season high groundwater level.
- 3621-INDUS-20XX: Basin Landfill
 - No update this quarter.
- 3623-INDUS-202X: Canal Road Landfill
 - June 28, 2024 – Design Hydrogeological Report submitted (part of the PTC application)
- Canal Road Landfill (permit # TBD)
 - No updates this quarter.

Asheville Steam Electric Plant

- Site Visits
 - No update this quarter.
- 1119-INDUS-2020 (closed, double lined)
 - Continued semi-annual detection monitoring.

Belews Creek Steam Station

- Site Visits
 - No update this quarter.
- Stability Feature
 - Construction on hold.
- 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: FGD Landfill (open, lined)
 - Landfill currently being excavated for FGD product and sold to local wallboard manufacturers.
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment.
 - No update this quarter.
- 8506-INDUS-2021: Basin Landfill
 - Continued operation in Cells 1 and 2.
 - Continued construction of Cell 3.

Dan River Combined Cycle Station

- Site Visits
 - No update this quarter.
- 7906–INDUS–2016: CCR Landfill (closed, lined)
 - Continued semi-annual detection monitoring.

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

- Site Visits
 - No update this quarter.
- 8106–INDUS–2009: CCR Landfill (open, lined)
 - Continued operation of Phases 3 and 4 (excavated basin ash and production ash).
 - Continued semi-annual detection monitoring.

Mayo Steam Electric Plant

- Site Visits
 - August 26, 2024 – Annual site inspection
 - August 29, 2024 – Virtual records review
- 7305–INDUS–2012: CCR Landfill (open, double lined)
 - April 30, 2024 – DEQ issued approval of Closure/Post Closure Plan.
 - April 25, 2024 – Duke submitted Closure/Post Closure Plan.
 - Continued semi-annual detection monitoring.
 - Groundwater Assessment
 - No update this quarter.
- 7307-INDUS-2021: Basin Landfill
 - Continued operations in Phase 1.
 - Construction ongoing for Phase 2.

Marshall Steam Station

- Site Visits
 - No update this quarter.
- Stability Features
 - Construction ongoing.
- Structural Fill (CCB0031)
 - Installation of final cover system/closure cap scheduled to be complete in 2024.
- 1804–INDUS–1983: Dry Ash Landfill (closed, unlined – Phase 2 composite cap system)

- Installation of final cover/closure system schedule to be complete in 2024.
- Continued semi-annual detection monitoring.
- Groundwater Assessment
 - No update this quarter.
- 1809–INDUS: FGD Landfill (closed, lined)
 - Continued semi-annual detection monitoring.
- 1812–INDUS–2008: Industrial Landfill #1 (open, double–lined)
 - Leachate basin is in operation.
 - Continued operation of landfill – Phase 1, Cells 1-4 (excavated basin ash and production ash).
 - Continued semi-annual detection monitoring.
 - Construction ongoing of Phase 2, Cell 6.

Roxboro Steam Electric Plant

- Site Visits
 - No update this quarter.
- Stability Feature
 - No update this quarter.
- 7302-INDUS-1988: CCR Landfill (open, lined)
 - Continued operation of landfill – Phase 6 (production ash).
 - Continued semi-annual detection monitoring (leachate only).
- 7302–INDUS–2021: Proposed new onsite landfill expansion (double lined, partially on top of excavated ash basin)
 - Active operation in Phases 7 and 8 (excavated ash).
 - Construction ongoing for Phases 9-11.
 - Semi-annual detection monitoring (leachate only).

L. V. Sutton Energy Complex

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

CCR 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)
 - Continued semi-annual detection monitoring.

Duke Energy Facilities With Beneficial Reuse

Buck Combined Cycle Station

- Continued operation of STAR plant.

Cape Fear Steam Electric Plant

- Continued operation of STAR plant.

H. F. Lee Energy Complex

- Continued operation of STAR plant.

Coal Combustion Product (CCP) Structural Fills

Greater Asheville Regional Airport Authority – 1117-STRUC-2020, Buncombe County

- August 8, 2024 – Closure Permit/Operation & Maintenance issued.
- August 20, 2024 – Closure Permit/Water Quality Monitoring and Reporting issued.
- Continued semi-annual detection monitoring.

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

- Continued quarterly detection monitoring.

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

- 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>.

Other Groundwater Assessment and Corrective Actions

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

- Continued semi-annual detection monitoring.

**SECTION 10: DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES CCR
STATUS**

The following site-specific actions and/or status notes provided in each subsection are either on-going or have occurred since the submittal of the previous report.

Allen Steam Station

- Dam Safety
 - GASTO-016 (Allen Inactive Ash Basin Dam)
 - 8/8/24 – Received request to Modify the dam for Railroad Line Removal, Scope 8.
 - GASTO-061 (Allen Active Ash Basin Dam)
 - No update this quarter.
 - GASTO-324 (Allen Retention Basin Dam)
 - 6/11/24 – Issued Certificate of Final Approval for Installation of Instrumentation (3 Piezometers) As-built Plans.
 - 6/4/24 – Received request for Certificate of Final Approval for Installation of Instrumentation (3 Piezometers) As-built Plan.
- 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 (Lake Julian Dam)
 - No update this quarter.
 - BUNCO-089 (Asheville 1982 Ash Pond Dam)
 - Decommissioned
 - BUNCO-097 (Asheville 1964 Ash Pond Dam)
 - 8/13/24 – Received request for Certificate of Final Approval for Dam Decommission/Breach As-built Plans.
 - BUNCO-101 (Asheville Lined Retention Basin Dam)
 - No update this quarter.
 - BUNCO-504 (North Stormwater Pond Dam)
 - No update this quarter.
 - BUNCO-505 (South Stormwater Pond Dam)
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - BUNCO-2020-010
 - No update this quarter.
 - BUNCO-2018-001
 - No update this quarter.
- NPDES Storm Water

- No update this quarter.

Belews Creek Steam Station

- Dam Safety
 - ROCKI-235 (Belews Lake Saddle Dike #4 Dam)
 - No update this quarter.
 - ROCKI-236 (Belews Lake Dam)
 - No update this quarter.
 - STOKE-115 (Belews Creek Chemical Pond Dam)
 - No update this quarter.
 - STOKE-116 (Belews Creek Active Ash Basin Dam)
 - 7/31/24 – Issued NOIs following Annual Dam Safety Inspections on 6/6/24.
 - 6/6/24 – Conducted Annual Dam Safety inspections.
 - STOKE-117 (Belews Lake Saddle Dike #1 Dam)
 - No update this quarter.
 - STOKE-118 (Belews Lake Saddle Dike #2 Dam)
 - No update this quarter.
 - STOKE-119 (Belews Lake Saddle Dike #3 Dam)
 - No update this quarter.
 - STOKE-120 (Belews Creek Holding Basin Dam)
 - 7/31/24 – Issued NOIs following Annual Dam Safety Inspections on 6/6/24.
 - 6/6/24 – Conducted Annual Dam Safety inspections.
 - STOKE-121 (Belews Creek Retention Basin Dam)
 - 7/31/24 – Issued NOIs following Annual Dam Safety Inspections on 6/6/24.
 - 6/6/24 – Conducted Annual Dam Safety inspections.
 - STOKE-122 (Belews Creek North Coal Pile Dam)
 - No update this quarter.
 - STOKE-123 (Belews Creek South Coal Pile Dam)
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - STOKE-2024-0105 (Belews Creek South Borrow Area)
 - No update this quarter.
 - STOKE-2024-002 (Belews Creek Meteorological Tower)
 - No update this quarter.
 - STOKE-2021-004 (Future Landfill Timbering Operations)
 - No update this quarter.
 - STOKE-2024-0102 (Belews Creek Geotechnical Borings)
 - No update this quarter.
- NPDES Storm Water
 - NCS000573
 - No update this quarter.

Buck Combined Cycle Station

- Dam Safety
 - ROWAN-047 (Belews Creek South Coal Pile Dam)
 - No update this quarter.
 - ROWAN-068 (Buck Ash Basin #1 Dam)
 - No update this quarter.
 - ROWAN-069 (Buck Basin #1 to Basin #2 Dam)
 - No update this quarter.
 - ROWAN-070 (Buck Basin #2 to Basin #3 Dam)
 - No update this quarter.
 - ROWAN-071 (Buck Ash Basin Divider Dam)
 - No update this quarter.
 - ROWAN-072 (Buck Fuel Containment Dam)
 - Decommissioned
 - ROWAN-75 (Buck Beneficial Ash Dry Pond)
 - No update this quarter.
 - ROWAN-76 (Buck Beneficial Ash Wet Pond)
 - No update this quarter.
 - ROWAN-079 (Buck Retention Basin Dam)
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - ROWAN-2024-0101
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Cape Fear Steam Electric Plant

- Dam Safety
 - CHATH-022 (Buckhorn Lake Dam)
 - No update this quarter.
 - CHATH-075 (Cape Fear 1956 Ash Pond Dam)
 - Decommissioned
 - CHATH-076 (Cape Fear 1963 Ash Pond Dam)
 - 7/8/24 – Issued certificate of Approval Letter to Modify the dam by removal of the 1978 raise, Scope 3.
 - CHATH-077 (Cape Fear 1970 Ash Pond Dam)
 - 7/8/24 – Issued certificate of Approval Letter to Modify the dam by removal of the 1978 raise, Scope 4.
 - CHATH-078 (Cape Fear 1978 Ash Pond Dam)
 - 7/8/24 – Issued certificate of Approval Letter to Modify the dam by removal of the 1978 raise, Scope 5.
 - CHATH-079 (Cape Fear 1985 Ash Pond Dam)
 - No update this quarter.
 - CHATH-080 (Cape Fear Flood Control Dam)
 - Decommissioned
- 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
 - CLEVE-047 (Cliffside Retention Basin Dam – Formerly Inactive Ash Basin #1-4 Main Dam)
 - No update this quarter.
 - CLEVE-049 (Cliffside Active Ash Basin Downstream Dam)
 - No update this quarter.
 - CLEVE-050 (Cliffside Active Ash Basin Upstream Dam)
 - No update this quarter.
 - CLEVE-053 (Cliffside River Dam)
 - No update this quarter.
 - CLEVE-054 (Cliffside Active Ash Basin Internal Dam)
 - No update this quarter.
 - RUTHE-070 (Cliffside Inactive Ash Basin #5 Main Dam)
 - 8/8/24 – Received Jurisdictional Determination and Hazard Classification request, Scope 8, following lowering of the dam to Stage 2 (Elev. 731 feet).
 - 7/30/24 – Issued Certificate of Approval to Change of EOR.
 - 7/23/24 – Received request for Change of EOR.
 - RUTHE-072 (Cliffside Inactive Ash Basin #5 Saddle Dam)
 - 7/30/24 – Issued Certificate of Approval to Change of EOR.
 - 7/23/24 – Received request for Change of EOR.
- Erosion and Sediment Control and Construction Storm Water
 - CLEVE-2023-037
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Dan River Combined Cycle Station

- Dam Safety
 - ROCKI-237 (Dan River Active Primary Ash Basin Dam)
 - Decommissioned
 - ROCKI-238 (Dan River Active Secondary Ash Basin Dam)
 - Decommissioned
 - ROCKI-239 (Dan River Low Head Diversion Dam)
 - Decommissioned
 - ROCKI-241 (Dan River Service Water Settling Pond Dam)
 - Decommissioned
- 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-009 (H.F. Lee Cooling Lake Dam)
 - 8/23/24 – Issued NOIs following Annual Dam Safety Inspections conducted on 6/11/2024.
 - 6/21/24 – Issued Certificate of Approval to Modify the dam, Scope 9.
 - 6/11/24 – Conducted Annual Dam Safety Inspections.
 - 6/4/24 – Received request for Certificate of Approval to Modify the dam, Scope 9.
 - WAYNE-022 (H.F. Lee Active Ash Basin Dam)
 - 8/23/24 – Issued NOIs following Annual Dam Safety Inspections conducted on 6/11/2024.
 - 6/11/24 – Conducted Annual Dam Safety Inspections.
 - WAYNE-031 (H.F. Lee Inactive Ash Basin 1 Dam)
 - 8/23/24 – Issued NOIs following Annual Dam Safety Inspections conducted on 6/11/2024.
 - 6/11/24 – Conducted Annual Dam Safety Inspections.
 - WAYNE-032 (H.F. Lee Inactive Ash Basin 2 Dam)
 - 8/23/24 – Issued NOIs following Annual Dam Safety Inspections conducted on 6/11/2024.
 - 6/11/24 – Conducted Annual Dam Safety Inspections.
 - WAYNE-033 (H.F. Lee Inactive Ash Basin 3 Dam)
 - 8/23/24 – Issued NOIs following Annual Dam Safety Inspections conducted on 6/11/2024.
 - 6/11/24 – Conducted Annual Dam Safety Inspections.
 - WAYNE-034 (H.F. Lee Triangular Pond Dam)
 - Decommissioned
 - WAYNE-036 (H.F. Lee Permanent Stormwater Pond Dam)
 - Decommissioned
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Marshall Steam Station

- Dam Safety
 - CATAW-054 (Marshall Active Ash Basin Dam)
 - No update this quarter.
 - CATAW-075 (Marshall Holding Basin Dam)
 - No update this quarter.
 - CATAW-076 (Marshall Retention Basin Dam)
 - No update this quarter.
 - CATAW-077 (Marshall West Temporary Stormwater Pond)
 - No update this quarter.

- CATAW-078 (Marshall East Temporary Stormwater Pond)
 - Decommissioned
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Mayo Steam Electric Plant

- Dam Safety
 - PERSO-034 (Mayo Lake Dam)
 - No update this quarter.
 - PERSO-035 (Mayo Active Ash Pond Dam)
 - 8/14/24 – Received request for Certificate of Final Approval for Dam Modification As-built Plans, Scope 6.
 - PERSO-036 (Mayo FGD Settling Pond Dam)
 - Decommissioned
 - PERSO-037 (Mayo FGD Flush Pond Dam)
 - Decommissioned
 - PERSO-046 (Mayo Coal Pile Dam)
 - No update this quarter.
 - PERSO-049 (Mayo FGD Settling Basin Dam)
 - No update this quarter.
 - PERSO-050 (Mayo Retention Basin Dam)
 - No update this quarter.
- Erosion and Sediment Control and Construction Storm Water
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

Riverbend Steam Station

- Dam Safety
 - GASTO-097 (Riverbend Active Primary Ash Basin Dam)
 - Decommissioned
 - GASTO-098 (Riverbend Active Secondary Ash Basin Dam)
 - Decommissioned
 - GASTO-099 (Riverbend Intermediate Dam)
 - Decommissioned
 - GASTO-105 (Riverbend Fuel Containment Dam)
 - Decommissioned
- 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
 - PERSO-002 (Lake Hyco Dam)
 - No update this quarter.
 - PERSO-013 (Roxboro Afterbay Dam Reservoir)
 - 7/29/24 – Completed simulations and testing of the new site specific PMP and temporal distributions.
 - 7/1/24 – Received new site specific PMP and temporal distributions from Applied Weather Associates as one of the pilot/test sites for the ongoing NC State-wide new PMP Study.
 - PERSO-033 (Roxboro East Ash Basin Dam)
 - No update this quarter.
 - PERSO-038 (Roxboro West Ash Basin Dam)
 - No update this quarter.
 - PERSO-039 (Roxboro West Ash Basin Rock Filter Dam)
 - No update this quarter.
 - PERSO-040 (Roxboro West FGD Settling Pond Dam)
 - Decommissioned
 - PERSO-041 (Roxboro East FGD Settling Pond Dam)
 - Decommissioned
 - PERSO-042 (Roxboro FGD Forward Flush Pond Dam)
 - Decommissioned
 - PERSO-043 (Roxboro Intake Pond Dam)
 - No update this quarter.
 - PERSO-047 (Roxboro Holding Basin Dam)
 - No update this quarter.
 - PERSO-048 (Roxboro Retention Basin Dam)
 - No update this quarter.
- Erosion and Sediment
 - No update this quarter.
- NPDES Storm Water
 - No update this quarter.

L. V. Sutton Energy Complex

- Dam Safety
 - NEWHA-003 (Sutton 1972 Cooling Lake Dam)
 - Decommissioned
 - NEWHA-004 (Sutton 1971 (1983) Ash Basin Dam)
 - Decommissioned
 - NEWHA-005 (Sutton 1971 (1983) Ash Basin Dam)
 - Decommissioned
- 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
 - 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
 - No update this quarter.

W. H. Weatherspoon Power Plant

- Dam Safety
 - ROBES-004 (Weatherspoon Cooling Lake Dam)
 - 8/12/24 – Conducted inspection and assessment of the dam following Tropical Storm Debby. No damage was observed on the dam.
 - ROBES-009 (Weatherspoon 1979 Ash Basin Dam)
 - No update this quarter.
- 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	INACTIVE
Asheville Steam Electric Plant	North Stormwater Pond Dam	BUNCO-504	ACTIVE

Asheville Steam Electric Plant	South Stormwater Pond Dam	BUNCO-505	ACTIVE
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	INACTIVE
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	INACTIVE
Belews Creek Steam Station	Belews Creek North Coal Pile Dam	STOKE-122	INACTIVE
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	INACTIVE
Buck Combined Cycle Station	Buck Beneficial Ash Dry Pond	ROWAN-075	INACTIVE
Buck Combined Cycle Station	Buck Retention Basin Dam	ROWAN-079	ACTIVE
Cape Fear Steam Electric Plant	Buckhorn Lake Dam	CHATH-022	INACTIVE
Cape Fear Steam Electric Plant	Cape Fear 1956 Ash Pond Dam	CHATH-075	DECOMISSIONED
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	ON-GOING DECOMISSION
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	DECOMISSIONED
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	INACTIVE
Marshall Steam Station	Marshall Holding Basin Dam	CATAW-075	ACTIVE
Marshall Steam Station	Marshall West Temporary SWP	CATAW-077	INACTIVE
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	DECOMISSIONED
Roxboro Steam Electric Plant	Roxboro East FGD Settling Pond Dam	PERSO-041	DECOMISSIONED
Roxboro Steam Electric Plant	Roxboro FGD Forward Flush Pond Dam	PERSO-042	DECOMISSIONED
Roxboro Steam Electric Plant	Roxboro East Ash Basin Dam	PERSO-033	ACTIVE
Roxboro Steam Electric Plant	Roxboro Intake Pond Dam	PERSO-043	INACTIVE
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

SECTION 11: PROGRESS TOWARD EXCAVATION

Data provided by Duke Energy and current as of **June 30, 2024**.

Site	Facility Type	Facility	Initial Inventory (tons)	Excavated to Date (tons)*	Percent Complete	Comments
Allen Steam Station	Basin	Active Ash Basin	10,439,528	785,326	7.5%	
	Fill	Ash Fill 1	428,400	-	0.0%	
	Fill	Ash Fill 2	562,800	-	0.0%	
	Landfill	Retired Ash Basin Landfill	1,183,200	-	0.0%	
	Basin	Retired Ash Basin	6,152,310	-	0.0%	
	Fill	Subgrade for Landfill	600,000	-	0.0%	Structural ash fill underneath landfill
Asheville Steam Electric Plant	Basin	1964 Basin	3,095,800	3,095,800	100.0%	COMPLETE
	Basin	1982 Basin	5,196,453	5,196,453	100.0%	COMPLETE
Belews Creek Steam Station	Basin	Active Ash Basin	11,831,165	2,198,987	18.6%	
Buck Combined Cycle Station	Basin	Ash Basin 1	3,280,000	1,642,024	50.1%	Ash sent to the STAR Unit (Includes ash sent to Roanoke and screener reject sent to offsite landfill)
	Basin	Ash Basin 2	2,047,360	718,788	35.1%	Sent to Ash Basin 1 for blending and screening
	Basin	Ash Basin 3	719,000	41,741	5.8%	Basin 3 excavation began 2/26/2024
Cape Fear Steam Electric Plant	Basin	1956 Pond	340,600	340,600	100.0%	COMPLETE
	Basin	1963 Pond	837,354	457,530	54.6%	Ash sent to the 1985 Basin for processing.
	Basin	1970 Pond	864,736	378,926	43.8%	Ash sent to the 1985 Basin for processing.
	Basin	1978 Pond	767,056	-	0.0%	
	Basin	1985 Pond	2,837,860	1,453,565	51.2%	Ash sent to the STAR Unit (includes count of ash sent from 1956, 63, and 70 Ponds) and screener reject and pyrites sent to offsite landfill
James E. Rogers Energy Complex (formerly Cliffside Steam Station)	Basin	Active Ash Basin	4,957,200	2,206,097	45.6%	
	Fill	Ash Storage Area	439,181	439,181	100.0%	COMPLETE
	Basin	Inactive Ash Basin	2,119,512	2,119,512	100.0%	COMPLETE
	Basin	Unit 1-4	455,259	455,259	100.0%	COMPLETE
Dan River Combined Cycle Station	Basin	Primary Basin	1,421,329	1,421,329	100.0%	COMPLETE
	Basin	Secondary Basin	495,410	495,410	100.0%	COMPLETE
	Fill	Ash Stack 1	1,385,165	1,385,165	100.0%	COMPLETE

	Fill	Ash Stack 2	573,778	573,778	100.0%	COMPLETE
H. F. Lee Energy Complex	Basin	Active/ 1982 Ash Pond	4,097,437	1,567,073	38.2%	Ash sent to the STAR Unit (includes count of ash sent Ash Ponds 1, 2, and 3) and screener reject sent to offsite landfill
	Basin	Ash Pond 1	232,549	6,766	2.9%	
	Basin	Ash Pond 2	463,536	-	0.0%	
	Basin	Ash Pond 3	767,387	704,024	91.7%	Ash sent to the active/1982 Basin for processing
	Fill	Lay of Land Area	72,000	-	0.0%	
Marshall Steam Station	Basin	Retired Ash Basin	16,704,000	3,479,882	20.8%	Excludes PVSF and 1804 Phase II
Mayo Steam Electric Plant	Basin	Ash Pond	6,600,000	2,995,631	45.4%	Excludes FGD pond quantities sent to monofill
Riverbend Steam Station	Pond	Primary & Secondary Ash Basins	5,334,910	5,334,910	100.0%	COMPLETE
Roxboro Steam Electric Plant	Fill	Ash Fill for Gypsum Pad	157,200	-	0.0%	
	Basin	East Ash Pond	4,159,826	478,565	11.5%	East Ash Pond (includes ash stack)
	Basin	West Ash Basin	12,700,174	2,759,146	21.7%	
L. V. Sutton Energy Complex	Basin	1971 Ash Basin	3,521,235	3,521,235	100.0%	COMPLETE
	Basin	1984 Ash Basin	3,268,113	3,268,113	100.0%	COMPLETE
	Fill	Lay of Land Ash Storage	861,366	861,366	100.0%	COMPLETE
W. H. Weatherspoon Power Plant	Basin	1979 Ash Pond	1,953,899	1,664,632	85.2%	
TOTALS			123,924,088	52,046,814	41.9%	

*Please note these numbers may require periodic adjustment based on aerial surveys, ash densities, truck counts, scale data (if available), etc.