

Department of Environmental Quality Quarterly Report July 1, 2020

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
- 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
- EMC – Environmental Management Commission
- EOR – Engineer of Record
- ESC – Erosion and Sediment Control Plan
- FGD – Flue-gas Desulfurization
- NOD – Notice of Deficiency
- NOI – Notice of Intent
- NOV – Notice of Violation
- NPDES – National Pollution Discharge Elimination System
- PTC – Permit to Construct
- PTO – Permit to Operate
- SOC – Special Order by Consent

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 facilities 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.

Litigation of Closure Methodology for Low Risk Facilities

The following is a timeline summary of recent events related to litigation of the closure methodology for the low risk impoundments:

- April 1, 2019 – DEQ directed Duke to fully excavate all the ash basins.
- April 26, 2019 – Duke Energy filed Petitions for Contested Case Hearing in the Office of Administrative Hearings challenging DEQ’s decision for closure method.
- December 31, 2019 – Duke Energy, DEQ, and several community environmental groups entered into a Settlement Agreement ending the appeal litigation.
- January 31, 2020 – A Consent Order incorporating the terms of the Settlement Agreement was filed with Wake County Superior Court.
 - The Consent Order mandated that all nine impoundments at the low risk facilities be excavated and the CCR be placed in on-site landfills.

Beneficial Reuse [G.S. 130A-309.216]

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

- Assessment and Corrective Action Status
 - May 12, 2020 – DEQ responds to Duke Energy’s March 4, 2020 letter with direction regarding the topics: Implementation of CAPs, Streamlining Groundwater Monitoring, Ongoing Site Assessments, Periodic Updating of Groundwater Modeling, Permitting, BTVs, Remediation for Boron, Streamlined CAPs, and Geographic Limitations.
 - March 17, 2020 – DEQ approves minor modifications to Duke Energy’s sampling protocol regarding low-yielding wells
 - February 26, 2020 – DEQ approves Duke Energy’s February 14, 2020 request to extend deadlines for upcoming CSAs and CAPs.
 - February 14, 2020 – Duke Energy submits request to extend deadlines for upcoming CSAs and CAPs.

Allen Steam Station

- Assessment and Corrective Action Status
 - May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - September 1, 2020 – Updated CSA for primary and secondary sources not associated with the impoundments.
- Closure Status
 - March 27, 2020 – Duke Energy communicates to DEQ that a third landfill is now proposed at the site. DEQ requested Duke Energy to submit updated information on the third landfill so that the closure plan will be complete.
 - February 27, 2020 – DEQ holds public hearing for closure plan.
 - January 29, 2020 – Duke Energy submits a revised closure plan.
 - December 31, 2019 – Duke Energy submitted a closure plan for the impoundments.
 - May 9, 2019 – DEQ reestablished Closure Plans to be due December 31, 2019.
 - April 26, 2019 – Duke Energy filed an appeal with the Office of Administrative Hearings contesting the closure determination.
 - April 1, 2019 – Per 130A–309.214(a)(3), DEQ determined that excavation under 130A–309.214(a)(1) shall be the method of closure for the impoundments.
 - November 13, 2018 – DEQ deemed that this facility is low risk based on criteria under G.S. 130A–309.213(d)(1). Therefore, the impoundments are required to be closed no later than December 31, 2029. A proposed closure plan must be submitted no later than December 31, 2019.
- NPDES permit NC0004979
 - February 7, 2020 – Major permit modification issued.
 - November 13, 2019 – Major modification application received.
 - August 1, 2018 – Permit became effective.

- SOC S17-009
 - November 29, 2019 – SOC amendment application received.
 - Application is under discussion.
 - April 12, 2018 – SOC was signed by the EMC.

Asheville Steam Electric Plant

- Assessment and Corrective Action Status
 - April 22, 2020 – DEQ approves Duke Energy’s April 17, 2020 request to delay the submittal of the 2019 Annual Effectiveness Report until July 31, 2020.
 - April 17, 2020 – Duke Energy requests delaying submittal of the 2019 Annual Effectiveness Report until July 31, 2020.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - December 1, 2020 – Updated CSA for primary and secondary sources associated with the impoundments.
 - The CAP for the primary and secondary sources associated with the impoundments will be due six months after DEQ “approves” the CSA.
- Closure Status
 - Excavation of the 1964 Basin is in progress.
 - Excavation of the 1982 Basin is complete.
- NPDES permit NC0000396
 - April 9, 2020 – Major modification was issued and became effective May 1, 2020.
 - May 24, 2019 – Major modification was issued and became effective July 1, 2019.
 - December 1, 2018 – Permit became effective.
- SOC S17-010
 - October 10, 2018 – SOC was signed by the EMC.

Belews Creek Steam Station

- Assessment and Corrective Action Status
 - May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
 - April 22, 2020 – DEQ approves Duke Energy’s April 17, 2020 request to delay the submittal of the 2019 Annual Effectiveness Report until July 31, 2020.
 - April 17, 2020 – Duke Energy requests delaying submittal of the 2019 Annual Effectiveness Report until July 31, 2020.
 - April 8, 2020 – DEQ approves Duke Energy’s surface water work plan for the coal pile and gypsum areas.
 - April 6, 2020 – Duke Energy submits a surface water work plan for the coal pile and gypsum areas.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - September 1, 2020 – Updated CSA for primary and secondary sources not associated with the impoundments.

- Closure Status
 - April 17, 2020 – Duke Energy submits a modeling demonstration showing the groundwater standards will be met at the geographic boundary per the Consent Order.
 - February 18, 2020 – DEQ holds public hearing for closure plan.
 - December 31, 2019 – Duke Energy submits closure plan.
 - May 9, 2019 – DEQ revised previous correspondence and reestablished Closure Plan to be due December 31, 2019.
 - April 26, 2019 – Duke Energy filed an appeal with the Office of Administrative Hearings contesting the closure determination.
 - April 1, 2019 – Per 130A–309.214(a)(3), DEQ determined that excavation under 130A–309.214(a)(1) shall be the method of closure for the impoundments.
 - November 13, 2018 – DEQ deemed that this facility is low risk based on criteria under G.S. 130A–309.213(d)(1). Therefore, the impoundments are required to be closed no later than December 31, 2029. A proposed closure plan must be submitted no later than December 31, 2019.
- NPDES permit NC0024406
 - March 25, 2019 – Permit became effective.
- SOC S18–004
 - July 12, 2018 – SOC was signed by the EMC.
- SOC S18–009
 - April 18, 2020 – SOC amendment application received. Application is under discussion.
 - March 21, 2019 – SOC was signed by the Division Director.

Buck Combined Cycle Station

- Assessment and Corrective Action Status
 - May 22, 2020 – Duke Energy submits Additional Area Assessment Plan for the Coal Pile.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - February 1, 2021 – Updated CSA for primary and secondary sources associated with the impoundments.
 - The CAP for the primary and secondary sources associated with the impoundments will be due six months after DEQ “approves” the CSA.
- Closure Status
 - April 17, 2020 – DEQ receives Closure Plan Revision from Duke Energy.
 - February 24, 2020 – DEQ holds public hearing for closure plan.
 - December 31, 2019 – Duke Energy submits closure plan.
 - November 13, 2018 – DEQ deemed that this facility is low risk based on criteria under G.S. 130A–309.213(d)(1). However, since Duke Energy selected this site for beneficial reuse, this site does not have to close until December 31, 2029.

- 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 beneficiation projects must close by December 31, 2029.
- NPDES Permit NC0004774
 - May 11, 2020 – Major modification public noticed.
 - December 17, 2019 – Major modification application received.
 - November 1, 2018 – Permit became effective.
- SOC S18–004
 - July 12, 2018 – SOC was signed by the EMC.

Cape Fear Steam Electric Plant

- Assessment and Corrective Action Status
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - December 1, 2020 – Updated CSA for primary and secondary sources associated with the impoundments.
 - The CAP for the primary and secondary sources associated with the impoundments will be due six months after DEQ “approves” the CSA.
- Closure Status
 - April 17, 2020 – DEQ receives Closure Plan Revision from Duke Energy.
 - February 12, 2020 – DEQ holds public hearing for closure plan.
 - December 31, 2019 – Duke Energy submits closure plan.
 - Per G.S. 130A–309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The Cape Fear Steam Electric Plant was selected for beneficial reuse. G.S. 130A–309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
- NPDES permit NC0003433
 - March 17, 2020 – Major modification application received. Permit review has not yet begun.
 - December 21, 2018 – Major modification was issued and became effective February 1, 2019.
- SOC S19-001
 - January 27, 2020 – Division Director signed SOC. SOC expires on August 31, 2023.

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

- Assessment and Corrective Action Status
 - May 19, 2020 – DEQ approves Duke Energy’s request for abandonment of several monitoring wells.

- May 18, 2020 – Duke Energy submits request for abandonment of several monitoring wells.
- May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
- February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - December 18, 2020 – Updated CSA for primary and secondary sources not associated with the impoundments.
- Closure Status
 - April 29, 2020 – DEQ approves Duke Energy’s Closure Plan.
 - Inactive Units 1–4 are completely excavated. On August 10, 2018, DEQ approved the visual verification of CCR removal.
- NPDES permit NC0005088
 - January 21, 2020 – Major modification application received. Draft permit public noticed on April 7, 2020.
 - September 1, 2018 – Permit became effective.
- SOC S17–009
 - November 29, 2019 – SOC amendment application received. Amendment under discussion.
 - April 12, 2018 – SOC was signed by the EMC.

Dan River Combined Cycle Station

- Assessment and Corrective Action Status
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - November 2, 2020 – Updated CAP for primary and secondary sources associated with the impoundments.
 - April 5, 2019 – DEQ reestablished dates for Duke Energy to submit the following with regards to CSAs and CAPs:
 - July 1, 2020 – Updated CAP for impoundments and other primary and secondary sources (former coal yard).
- Closure Status
 - March 11, 2020 – DEQ approves confirmation of Duke Energy’s compliance with CAMA excavation and closure requirements.
 - Excavation is complete.
- NPDES permit NC0003468
 - February 1, 2019 – Permit became effective.

H. F. Lee Energy Complex

- Assessment and Corrective Action Status
 - May 12, 2020 – DEQ approves Duke Energy’s surface water and sediment evaluation plan.
 - May 1, 2020 – Duke Energy submits surface water and sediment evaluation plan.

- February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - December 1, 2020 – Updated CSA for primary and secondary sources associated with the impoundments.
 - The CAP for the primary and secondary sources associated with the impoundments will be due six months after DEQ “approves” the CSA.
- Closure Status
 - April 17, 2020 – DEQ receives Closure Plan Revision from Duke Energy.
 - February 11, 2020 – DEQ holds public hearing for closure plan.
 - Per G.S. 130A–309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The H. F. Lee Energy Complex was selected for beneficial reuse. G.S. 130A–309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
 - December 31, 2019 – Duke Energy submits closure plan.
- NPDES permit NC0003417
 - February 28, 2020 – Major modification issued. Modification effective April 1, 2020.
 - November 12, 2019 – Major modification application was received.
 - July 1, 2019 – Permit became effective.
- SOC S18–006
 - January 10, 2019 – SOC was signed by the EMC.

Marshall Steam Station

- Assessment and Corrective Action Status
 - May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
 - April 29, 2020 – DEQ approves Duke Energy’s request to modify the IMP for the 3rd Quarter 2020.
 - April 23, 2020 – Duke Energy submits request to modify the IMP for the 3rd Quarter 2020.
 - December 31, 2019 – Duke Energy submits CAP Update.
- Closure Status
 - April 29, 2020 – DEQ approves Duke Energy’s Closure Plan.
- NPDES permit NC0004987
 - May 1, 2018 – Permit became effective.
- SOC S17–009
 - November 29, 2019 – SOC amendment application received. Amendment under discussion.
 - April 12, 2018 – SOC was signed by the EMC.

Mayo Steam Electric Plant

- Assessment and Corrective Action Status

- May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
- February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - December 31, 2020 – Updated CSA for primary and secondary sources not associated with the impoundments.
- Closure Status
 - April 29, 2020 – DEQ approves Duke Energy’s Closure Plan.
- NPDES permit NC0038377
 - August 1, 2018 – Permit became effective.
- SOC S18–005
 - August 15, 2018 – SOC was signed by the EMC.

Riverbend Steam Station

- Assessment and Corrective Action Status
 - April 30, 2020 – DEQ approves Duke Energy’s surface water work plan for the former intake canal.
 - April 3, 2020 – Duke Energy submits surface water work plan for the former intake canal.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - November 2, 2020 – Updated CAP for primary and secondary sources associated with the impoundments.
- Closure Status
 - March 11, 2020 – Duke submits excavation completion letter.
 - December 6, 2019 – DEQ sends Closure Certification letter for the basin.
 - Excavation is complete.
- NPDES permit NC0004961
 - August 27, 2019 – Renewal application received.
 - December 1, 2016 – Permit became effective.
- SOC S16–005
 - November 10, 2016 – SOC was signed by the Division Director.

Roxboro Steam Electric Plant

- Assessment and Corrective Action Status
 - May 5, 2020 – Duke Energy submits errata for the December 31, 2019 CAP Update.
 - March 18, 2020 – DEQ approves Duke Energy’s additional work assessment plan for the coal pile.
 - March 11, 2020 – Duke Energy submits additional work assessment plan for the coal pile.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:

- March 31, 2021 – CSA for primary and secondary sources not associated with the impoundments.
- Closure Status
 - April 17, 2020 – Duke Energy submits a modeling demonstration showing the groundwater standards will be met at the geographic boundary per the Consent Order.
 - February 19, 2020 – DEQ holds public hearing for closure plan.
 - December 31, 2019 – Duke Energy submits closure plan.
 - May 9, 2019 – DEQ revised previous correspondence and reestablished Closure Plan to be due December 31, 2019.
 - April 26, 2019 – Duke Energy filed an appeal with the Office of Administrative Hearings contesting the closure determination.
 - April 1, 2019 – Per 130A–309.214(a)(3), DEQ determined that excavation under 130A–309.214(a)(1) shall be the method of closure for the impoundments.
 - November 13, 2018 – DEQ deemed that this facility is low risk based on criteria under G.S. 130A–309.213(d)(1). Therefore, the impoundments are required to be closed no later than December 31, 2029. A proposed closure plan must be submitted no later than December 31, 2019.
- NPDES permit NC0003425
 - January 19, 2020 – Draft permit was public noticed. Awaiting management approval for permit issuance.
 - September 28, 2011 – Renewal application received.
- SOC S18–005
 - August 15, 2018 – SOC was signed by the EMC.

L. V. Sutton Energy Complex

- Assessment and Corrective Action Status
 - May 15, 2020 – Duke Energy submits Interim Action Effectiveness Monitoring Report.
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - August 3, 2020 – Updated CAP for primary and secondary sources associated with the impoundments.
- Closure Status
 - May 7, 2020 – Duke Energy submits visual verification letter report for the former process area.
 - December 13, 2019 – DEQ sends Closure Certification letter for the 1984 basin.
 - August 28, 2019 – Duke Energy submits request for closure certification for the 1971 Basin. DEQ to respond.
 - August 27, 2019 – Duke Energy submits CCR visual verification report for the 1984 Basin. DEQ to respond.
 - Excavation of the 1971 Basin is complete.
 - Excavation of the 1984 Basin is complete.

- NPDES permit NC0001422
 - April 7, 2020 – Draft permit public noticed.
 - January 20, 2020 – Major modification application received.
 - October 1, 2017 – Permit became effective.

W. H. Weatherspoon Power Plant

- Assessment and Corrective Action Status
 - February 26, 2020 – DEQ approves the request to extend deadlines for upcoming CSAs and CAPs. The following is the new approved report deadlines:
 - August 3, 2020 – Updated CSA for primary and secondary sources associated with the impoundments.
 - The CAP for the primary and secondary sources associated with the impoundments will be due six months after DEQ “approves” the CSA.
- Closure Status
 - April 17, 2020 – DEQ receives Closure Plan Revision from Duke Energy.
 - February 13, 2020 – DEQ holds public hearing for closure plan.
 - Per G.S. 130A–309.216, Duke Energy was required to identify, at a minimum, three sites for beneficial reuse. The W. H. Weatherspoon Power Plant was selected for beneficial reuse. G.S. 130A–309.216(c) states that sites selected for beneficiation projects must close by December 31, 2029.
 - December 31, 2019 – Duke Energy submits closure plan.
- NPDES permit NC0005363
 - November 1, 2018 – Permit became effective.
- SOC S19-006
 - January 27, 2020 – SOC signed by Division Director. SOC expires on August 31, 2023.

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)

- 3612–INDUS–2008: Retired Ash Basin Landfill (open, double-lined, landfill constructed on top of retired ash basin)
 - June 10, 2019 – Permit renewal received by the Division.
 - January 23, 2019 – Inspected.
- December 31, 2019 – Duke submitted proposed Final Closure Plan
 - All impoundment ash to be excavated and placed in onsite lined landfill.
 - February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
 - January 30, 2020 – Amended Closure Plan submitted.
 - March 19, 2020 – Duke proposed three onsite landfills: North Starter, South Starter, Main Basin Landfill.
 - April 23, 2020 – Duke submitted Geotechnical Investigation Plan for onsite landfills.
 - April 27, 2020 – DWM approved the Plan.

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

- 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.
 - March 19, 2019 – Inspected.
 - Groundwater Assessment
 - No updates at this time.
- 8504–INDUS–2007: Craig Road Landfill (open, lined)
 - May 17, 2019 – Division approval of storm water drainage modifications.
 - May 2, 2019 – Storm water drainage modifications received by the Division.
 - March 19, 2019 – Inspected.
 - Groundwater Assessment
 - No updates at this time.
- 8505–INDUS–2008: Flue Gas Desulfurization (FGD) Landfill (open, lined)
 - March 19, 2019 – Inspected.
 - September 25, 2019 – Division approval of access road modifications.
 - October 29, 2019 – Division approval of leachate line modifications.
 - Groundwater Assessment
 - No updates at this time.
- December 31, 2019 – Duke submitted proposed Final Closure Plan
 - All impoundment ash to be excavated and placed in onsite lined landfill.
 - February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
 - April 16, 2020 – Duke submitted Geotechnical Investigation Plan for onsite landfill.
 - April 17, 2020 – DWM approved Plan.

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

- 7906–INDUS–2016: CCR Landfill (open, lined)
 - October 24, 2019 – Inspected.
 - Coal ash disposal complete, landfill has been covered with intermediate cover material, final closure underway.
 - March 25, 2020 – Duke submitted Ash Stack 2 Visual Removal Verification Report.
 - March 30, 2020 – DWM response/concurrence to removal report.
 - March 30, 2020 – Duke submitted request to use soil underneath ash stack 2 for final closure of landfill.
 - April 9, 2020 – DWM approved request to use ash stack 2 soil for final closure of landfill.
 - April 8, 2020 – Construction of final closure cap system began.

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

- 7305–INDUS–2012: CCR Landfill (open, double lined)
 - September 25, 2019 – Inspected.
 - Groundwater Assessment
 - No updates at this time.
 - October 16, 2019 – Third Party Review submitted in response to NOV.
 - November 6, 2019 – Third Party Recommendations, Proposed Timeline submitted.
 - February 4, 2020 – Duke submitted Leachate Release Assessment Update submitted.
 - April 1, 2020 – DWM response to Leachate Release Assessment Update.
 - May 11, 2020 – Revision 3 of Water Quality Monitoring Plan submitted.
 - May 13, 2020 – DWM approved Plan.
- December 31, 2019 – Duke submitted proposed Final Closure Plan.
 - All impoundment ash to be excavated and placed in onsite lined landfill.
 - February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
 - April 7, 2020 – Duke submitted Geotechnical Investigation Report for onsite landfill.
 - April 21, 2020 – Duke submitted Geotechnical Investigation Plan for onsite landfill.
 - April 22, 2020 – DWM approval of Plan.
 - April 29, 2020 – DEQ issued Final Closure Decision and determination of CAMA compliance.

Marshall Steam Station – Catawba County (current coal fired)

- 1804–INDUS–1983: Dry Ash Landfill (closed, unlined – Phase 2 composite cap system)
 - February 26, 2020 – Duke submitted revised Sampling and Analysis Plan.
 - March 3, 2020 – DWM approved the Plan.
 - March 24, 2020 – Submittal and approval of boring plan for depth of ash investigation.
 - May 1, 2020 – Duke submitted boring plan summary report for depth of ash investigation.

- June 27, 2019 – Inspected.
 - Groundwater Assessment
 - No updates at this time.
- 1809–INDUS: FGD Landfill (closed, lined)
 - April 1, 2019 – Closure CQA report, Post–closure plan and WQMP received.
 - Permit for Closure has not been issued.
 - June 27, 2019 – Inspected.
 - Groundwater Assessment
 - No updates at this time.
- 1812–INDUS–2008: Industrial Landfill #1 (open, double–lined)
 - June 27, 2019 – Inspected.
 - April 2, 2020 – DWM response to Soil Assessment Corrective Actions Complete for leachate release (August 5, 2019), no further action required.
- MAR–145 Stormwater Reroute Project
 - April 7, 2020 – DEQ issued confirmation of excavation requirements for East Finger Pond.
 - February 17, 2020 – Duke submitted Visual Removal Verification Report for East Finger Pond.
 - December 13, 2019 – DEQ issued confirmation of excavation requirements for West Finger Pond.
 - August 23, 2019 – Duke submitted Visual Removal Verification Report for West Finger Pond.
- December 31, 2020 – Duke submitted proposed Final Closure Plan.
 - All impoundment ash to be excavated except ash beneath structural fill CCB0031 and Dry Ash Landfill Phase 2 and placed in onsite lined landfill.
 - February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
 - April 20, 2020 – Duke submitted Geotechnical Investigation Plan for onsite landfill.
 - April 21, 2020 – DWM approved Plan.
 - April 29, 2020 – DEQ issued Final Closure Decision and determination of CAMA compliance.

Rogers Energy Complex – Rutherford County (current coal fired)

- 8106–INDUS–2009: CCR Landfill (open, lined)
 - March 11, 2019 – PTC Application for Phase 3 & 4 submitted (included Water Quality Monitoring Plan and Operations Plan).
 - June 4, 2019 – PTC application – Determination of Completeness submitted to facility, deemed complete.
 - August 14, 2019 – Design hydrogeologic technical review letter sent.
 - January 22, 2019 – Inspected.
 - January 22, 2020 – Permit to Construct Phases 3 and 4 issued.
 - February 11, 2020 – Duke submitted Blasting Plan for Phase 3.
 - February 25, 2020 – DWM issued review letter of Phase 3 Blasting Plan.
 - March 19, 2020 – Duke submitted Revised Phase 3 Blasting Plan.
 - March 25, 2020 – DWM approved revised Phase 3 Blasting Plan.
- December 31, 2020 – Duke submitted Final Closure Plan.

- All impoundment ash to be excavated and placed in onsite lined landfill.
- February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
- April 29, 2020 – DEQ issued Final Closure Decision and determination of CAMA compliance.

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

- 7302–INDUS–1988: CCR Landfill (open, lined, constructed partially on top of retired ash basin)
 - September 25, 2019 – Inspected.
- December 31, 2020 – Duke submitted Final Closure Plan.
 - All impoundment ash to be excavated except ash beneath existing/operating landfill 7302 and placed in onsite lined landfill.
 - February 6, 2020 – Duke submitted revised Table 10–1 of Closure Plan.
 - April 16, 2020 – Duke submitted Geotechnical Investigation Plan for onsite landfill.
 - April 17, 2020 – DWM issued approval of Plan.

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

- 6512–INDUS–2016: CCR Landfill (open, lined)
 - July 18, 2019 – Approval of closure turf field test pad.
 - July 10, 2019 – Closure turf field test pad location report received.
 - July 1, 2019 – Thirty–day follow–up report on release received.
 - June 28, 2019 – Inspection of Site as response to coal ash release off of liner.
 - June 27, 2019 – Operations plan – change to contingency plan approved.
 - June 10, 2019 – Change to approved plans received.
 - January 22, 2020 – Inspection.
 - May 3, 2019 – Leakage Rate Exceedance – Repair Documentation Report approved.
 - March 18, 2020 – West Ditch Soil Sampling Report after Feb 2020 rain event caused leachate release.
 - May 1, 2020 – DWM response letter to four leachate release events (Florence, June 2019 rain event, Dorian, Feb 2020 rain event), no further action required.
 - All non–CAMA ash (LOLA – Lay of the Land Area) will be excavated and placed in onsite landfill by August 1, 2020.

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)
 - August 7, 2019 – Change to approved plans on August 6, 2019 and approval.
 - June 28, 4, May 7, and August 26, 2019 – Ash Monofill and Area 1 Construction/Demolition Landfill closure meetings.
 - November 13, 2019 – Inspection.
 - Coal Ash disposal complete, monofill closure underway.

- August 7, 2019 – Operations Plan – modification to closure plan approved.
- February 24, 2020 – Permit for Closure issued.

DUKE ENERGY FACILITIES WITHOUT LANDFILLS

Asheville Steam Electric Plant – Buncombe County (Duke Energy submitted plans to convert to combined cycle turbine to the N.C. Utilities Commission for approval in 2015. Plant to be converted December 31, 2019).

- 1119-INUDS-2020 (proposed)
 - July 30, 2019 – Zoning permit submitted.
 - April 3, 2019 – Site Suitability submitted.
 - April 26, 2019 – Site Suitability comment letter sent.
 - July 15, 2019 – Facility’s first response.
 - September 13, 2019 – Facility’s second response.
 - September 13, 2019 – Site Suitability Approval issued.
 - June 17, 2019 – PTC application submitted.
 - June 14, 2019 – Water Quality Monitoring Plan submitted.
 - June 28, 2019 – Stockpiled soil sampling analytical data submitted.
 - July 17, 2019 – Response.
 - July 12, 2019 – PTC application – Determination of Completeness submitted to facility on,
 - Deemed incomplete.
 - September 13, 2019 – PTC application – Determination of Completeness submitted to facility on,
 - Deemed complete.
 - May 31, 2019 – Stockpiled Soil Sampling Work Plan received
 - June 19, 2019 – Revision received.
 - June 20, 2019 - Approved.
 - May 22, 2019 – Ash Transportation Information Plan revision received.
 - August 16, 2019 – Design hydrogeologic technical review letter sent.
 - September 11, 2019 – Facility response submitted.
 - October 7, 2019 – DWM design hydro approval sent.
 - September 13, 2019 – Engineering technical review letter sent.
 - October 18, 2019 – Facility response submitted.
 - October 31, 2019 – Revised PTC Application, Rev 1 submitted.
 - October 31, 2019 – Revised Operations Plan, Rev 1 submitted.
 - October 31, 2019 – Revised Water Quality Monitoring Plan, Rev 2 submitted.
 - November 10, 2019 – Public Notice issued.
 - December 19, 2019 – Public Hearing scheduled.
 - January 10, 2020 – Public Comment period ends.
 - February 7, 2020 – Permit to Construct and Permit to Operate issued.
 - March 3, 2020 – Pre-construction meeting scheduled.

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

- December 31, 2020 – Duke submitted Final Closure Plan
 - All impoundment ash to be excavated and beneficiated through the onsite STAR plant process
 - April 17, 2020 – Duke submitted revised Closure Plan with errata sheets.

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

- Duke submitted Final Closure Plan December 31, 2020 All impoundment ash to be excavated and beneficiated through the STAR plant process.
 - All impoundment ash to be excavated and beneficiated through the STAR plant process.
 - April 17, 2020 – Duke submitted revised Closure Plan with errata sheets.

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

- Duke submitted Final Closure Plan December 31, 2020 All impoundment ash to be excavated and beneficiated through the STAR plant process.
 - All impoundment ash to be excavated and beneficiated through the STAR plant process.
 - April 17, 2020 – Duke submitted revised Closure Plan with errata sheets.

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

- July 30, 2019 – Response to comments on CCR visual removal report submitted.
- July 25, 2019 – Confirmation of Excavation Requirements submitted to facility.
- July 19, 2019 – Ash basin closure soil sampling metals analysis submitted.

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

- Ash continues to be excavated and trucked to two concrete processing plants in South Carolina.
 - April 17, 2020 – Duke submitted revised Closure Plan with errata sheets.

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 structural fills in accordance with 15A NCAC 13B .1700.

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

- July 3, 2019 – Partial closure notification of sub cell 2a, 5b, and 6a submitted.
- September 10, 2019 – Partial closure notification for sub cell 6C submitted.
- June 21, 2019 – Surface water and groundwater assessment request letter to facility.
- August 16, 2019 – Assessment Work Plan submitted.
- September 16, 2019 – DWM Approval of Work Plan.
- September 30, 2019 – Assessment Schedule of Work submitted.
 - October 4, 2019 – DWM concurrence.

- January 23, 2020 – Inspected.
- January 15, 2020 – Assessment Work Plan Progress Report submitted.
- April 15, 2020 – 2nd Assessment Work Plan Progress Report submitted.

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

- No updates at this time.

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 updates at this time.

Belews Creek Steam Station Structural Fill (CCB0070)

- April 6, 2020 – Duke submitted Surface Water and Sediment Assessment Work Plan.
- April 8, 2020 – DWM approved Plan.

Swift Creek in Nash County (CCB0057)

- No updates at this time.

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

- July 11, 2019 – DWM site inspection.

HISTORIC ASH MANAGEMENT AREA

6806–INDUS– Eno Power Plant – historic coal ash storage area

- July 31, 2019 – Facility submitted a revised Site Actions Plan.
- August 7, 2019 – DWM issued approval of revised Site Actions Plan.
- April 28, 2020 – Duke submitted request to use updated SOP for monitoring well sampling
- May 1, 2020 – DWM approved updated SOP

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
 - Nothing to report at this time.
- Erosion and Sediment Control and Construction Storm Water
 - GASTO-2020-018
 - 5/8/2020 – Allen Starter Landfill #1 Tree Clearing Approved.
- NPDES Storm Water
 - NCS000546
 - 11/1/19 – Received renewal application
 - 4/30/2020 – Permit expired and is currently administratively continued.

Asheville Steam Electric Plant

- Dam Safety
 - BUNCO-088
 - 2/6/20 – Received submittal for repairing a spillway outlet pipe by installation of a cured-in-place lining to correct infiltration for BUNCO-088 (Lake Julian Dam) Scope 8.
 - 04/14/20 – Certificate of Approval to Repair issued.
 - 8/13/19 – Received revised submittal for repairing a concrete ditch leading to the main spillway for BUNCO-088 (Lake Julian Dam) Scope 7 Addendum 1.
 - 8/20/19 – Certificate of Approval to Repair issued.
 - 12/10/19 – As-Built submittal received.
 - 2/13/20 – As-Built inspection performed.
 - 2/21/20 – Certificate of Final Approval to Repair issued.
 - BUNCO-097
 - 3/17/20 – Received revised submittal for the decommissioning of BUNCO-097 (1964 Ash Basin Dam) Scope 8.
 - 3/23/20 – Certificate of Approval to Breach issued.
 - BUNCO-504
 - 3/17/20 – Received revised submittal for the construction of BUNCO-504 (North Stormwater Pond Dam).
 - 3/23/20 – Certificate of Approval to Construct issued.
 - BUNCO-505

- 3/17/20 – Received revised submittal for the construction of BUNCO-505 (South Stormwater Pond Dam).
 - 3/23/20 – Certificate of Approval to Construct issued.
 - Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
 - NPDES Storm Water
 - NCS000575
 - 1/29/20 – Received an application for a major modification to add two additional outfalls downslope of new coal ash landfills.

Belews Creek Steam Station

- Dam Safety
 - STOKE-116
 - 5/5/20 – Received submittal to remove the inactive riser at the Pine Hall Road embankment for STOKE-116 (Belews Creek Active Ash Basin Dam) Scope 9
 - ROCKI-236
 - 3/24/20 – Received submittal to modify the access and railing at the spillway for ROCKI-236 (Belews Lake Dam) Scope 2
- Erosion and Sediment Control and Construction Storm Water
 - 5/12/20 – An ESC plan was received for Belews Creek Steam Station BC-159 East Pine Hall Road Future Stormwater Reroute and is under review
- NPDES Storm Water
 - Nothing to report at this time.

Buck Combined Cycle Station

- Dam Safety
 - ROWAN-047
 - 5/13/20 – Courtesy Notification of Completion of Dewatering received.
 - ROWAN-071
 - 10/17/19 – Received submittal for the installation of 4 piezometers and 1 inclinometer for ROWAN-071 (Buck Ash Basin Divider Dam)
 - 11/14/19 – Certificate of Approval to Install Instrumentation issued
 - 2/20/20 – As-Built submittal received.
 - 2/24/20 – As-Built inspection performed.
 - 3/04/20 – Certificate of Final Approval to Install Instrumentation issued.
- Erosion and Sediment Control and Construction Storm Water
 - ROWAN-2018-008
 - 5/21/2020 – Inspection – Compliant
 - ROWAN-2019-012
 - 5/21/2020 – Inspection – Compliant
 - ROWAN-2019-016

- 5/21/2020 – Inspection – Compliant
- ROWAN-2020-003
 - 5/21/2020 – Inspection – Compliant
- ROWAN-2019-013 –
 - 5/21/2020 – Inspection – Closed
- NPDES Storm Water
 - Nothing to report at this time.

Cape Fear Steam Electric Plant

- Dam Safety
 - CHATH-078
 - 3/5/20 – Annual dam safety inspection: Groundcover has been well established on previous vegetation removal project (affiliated sediment project closed)
 - 5/15/20 – NOI issued.
 - CHATH-079
 - 3/5/20 – Annual dam safety inspection (consistent with previous findings) No active animal activity observed.
 - 4/27/20 – NOI issued for March inspection.
 - CHATH-076
 - 3/5/20 – Annual dam safety inspection: some trees have been removed from the dam embankment but additional tree removal required
 - 5/15/2020 – NOD issued for remaining trees on embankment of dam (continued from previous NOD and dam safety order 16-01)
 - CHATH-075
 - 7/25/19 – Received submittal for the dam slope repair to restore the design grades to original for CHATH-075 (Cape Fear 1956 Ash Basin Dam) Scope 5.
 - 10/21/19 – Certificate of Approval to Repair issued.
 - 03/16/20 – As-Built submittal received.
 - 1/10/20 – Received revised submittal for the installation of an auxiliary overflow spillway for CHATH-075 (Cape Fear 1956 Ash Basin Dam) Scope 6.
 - 2/20/20 – Certificate of Approval to Modify issued.
 - 3/5/20 – Annual dam safety inspection: some trees have been removed, but many still present on embankment
 - 5/15/20 – NOD issued for trees on dam embankment (continued from previous NOD and dam safety order 16-01)
 - CHATH-077
 - 1/27/20 – Received revised submittal for the installation of an auxiliary overflow spillway for CHATH-077 (Cape Fear 1970 Ash Basin Dam) Scope 3.
 - 3/2/20 – Certificate of Approval to Modify issued.

- Erosion and Sediment Control and Construction Storm Water
 - CHATH-2019-005
 - 3/5/20 – Cape Fear Beneficial Ash Facility inspection; Sediment loss observed to wet lands, resolved in conjunction with Water Resources, inspection report issued 3/24/20
 - CHATH-2019-009
 - 3/5/20 – Cape Fear CCP 1985 Haul Road-sediment inspection. Project just started. Sediment report sent 3/19/20
 - CHATH-2018-008-CF-132
 - 3/5/20 – Tree and rootball removal sediment inspection-project complete and closed with this office
 - CHATH-2017-009
 - 3/5/20 – Construction of Groundwater Treatment trench sediment inspection.
 - Project complete and closed with this office.
 - CHATH-2020-008
 - 3/5/20 – Cape Fear 1963/1970 Ash Basin new auxiliary Overflow Spillway sediment inspection- project not started as of this date.
- NPDES Storm Water
 - NCG200530
 - 5/8/20 – Application for the coal ash beneficiation plant received and currently under review.

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

- Dam Safety
 - CLEVE-050
 - 2/25/19 – Received submittal for the repair and improvement of wet areas adjacent to the toe by placement of a tapered fill toward Suck Creek and installation of 26 Treewells for CLEVE-050 (Cliffside Active Ash Basin Upstream Dam) Scope 2
 - 9/23/19 – Revision Request issued.
 - 4/16/20 – Withdrawal Request submittal received.
- Erosion and Sediment Control and Construction Storm Water
 - CLEVE-2020-014
 - 2/28/2020 – Cliffside Steam Station CCP Landfill Phase III Construction Stock Piles Approved
- NPDES Storm Water
 - NCS000571
 - 3/26/20 – Received renewal application.
 - 9/30/20 – Permit will expire.

Dan River Combined Cycle Station

- Dam Safety
 - Nothing to report at this time.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - NCS000572
 - 11/12/19 – Received renewal application
 - 9/30/20 – Permit will expire.

H.F. Lee Energy Complex

- Dam Safety
 - WAYNE-009
 - 3/24/20 – Received revised submittal for the removal of vegetation along spillway for WAYNE-009 (HF Lee Cooling Lake Dam) Scope 7.
 - 3/31/20 – Certificate of Approval to Repair issued.
 - 3/11/2020 – Revision request letter – Scope 7
 - WAYNE-022
 - 10/03/19 – Received revised submittal for the removal of two pipes and improvement of the haul road in preparation for beneficial reuse activities for WAYNE-022 (HF Lee Active Ash Basin Dam) Scope 5.
 - 10/31/19 – Certificate of Approval to Repair issued.
 - 4/22/20 – As-Built submittal received.
 - WAYNE-031,032,033
 - 3/17/20 – Received submittal in response to an 9/30/19 NOD to remove existing vegetation and armor the slopes and toes for WAYNE-031,032,033 (HF Lee Inactive Ash Basin #1, #2, #3 Dam) Scope 3, Scope 5, Scope 5.
 - 5/12/20 – Revision Request issued.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time
- NPDES Storm Water
 - 4/22/20 – NOI received for the Ash Beneficiation project;
 - 4/24/20 – Request to comment on NOI for the Ash Beneficiation project;
 - 5/8/20 – Commented on the NOI for the NCG200529;
 - 5/11/20 – NCG200529 issued.
 - 5/14/20 – NCG200539 was issued for the H.F. Lee coal ash beneficiation facility.

Marshall Steam Station

- Dam Safety
 - CATAW-054
 - 2/4/20 – Received revised submittal for the abandonment of a coal silo discharge pipe for CATAW-054 (Marshall Active Ash Basin Dam) Scope 9.

- 3/6/20 – Certificate of Approval to Repair issued.
 - 5/14/20 – As-Built submittal received.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - NCS000548
 - 11/4/19 – Received renewal application
 - 4/30/20 – Permit expired and is administratively continued.

Mayo Steam Electric Plant

- Dam Safety
 - PERSO-036,037
 - 1/23/20 – Received revised submittal for the dam decommissioning of PERSO-036 (Mayo FGD Settling Pond Dam) Scope 2 and PERSO-037 (Mayo FGD Flush Pond Dam) Scope 2.
 - 3/2/20 – Certificate of Approval to Breach issued.
 - 10/22/19 – Received submittal for the installation of temporary access ramps to allow for excavation of the dam's contents for PERSO-036 (Mayo FGD Settling Pond Dam) Scope 1 and PERSO-037 (Mayo FGD Flush Pond Dam) Scope 1.
 - 11/6/19 – Certificate of Approval to Repair issued.
 - 2/26/20 – Certificate of Interim Approval to Repair issued.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - Nothing to report at this time.

Riverbend Steam Station

- Dam Safety
 - Nothing to report at this time.
- Erosion and Sediment Control and Construction Storm Water
 - GASTO-2019-001
 - 2/26/2020 – Inspection – Compliant
 - GASTO-2019-023
 - 2/26/2020 – Inspection – Compliant
- NPDES Storm Water
 - NCS000549 –
 - 4/29/20 – Permit rescinded.
 - NCGNE1371 (Lark Maintenance Facility)
 - 4/29/20 – Permit issued.

Roxboro Steam Electric Plant

- Dam Safety
 - PERSO-033
 - 2/17/20 – Received revised submittal for the investigation of a subsurface pipe near the toe of dam for PERSO-033 (Roxboro East Ash Basin Dam) Scope 4.
 - 2/24/20 – Certificate of Approval to Repair issued.
 - 4/16/20 – Received request for the change of EOR for Phases IV and V of landfill construction.
 - 4/21/20 – Certificate of Approval to Change EOR issued.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - Nothing to report at this time.

L. V. Sutton Energy Complex

- Dam Safety
 - 5/21/20 – Dam inspection, breach for Scope 4 of Sutton 1984 ash basin (NEWHA-005)
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - Nothing to report at this time.

Brickhaven No 2. Tract “A”

- Dam Safety
 - Nothing to report at this time.
- Erosion and Sediment Control
 - Nothing to report at this time.
- Mining
 - Nothing to report at this time.
- NPDES Storm Water
 - Nothing to report at this time.

Colon Mine Permit 53-05

- Dam Safety
 - Nothing to report at this time.
- Erosion and Sediment Control
 - Nothing to report at this time.
- Mining
 - Nothing to report at this time.
- NPDES Storm Water

- Nothing to report at this time.

W. H. Weatherspoon Power Plant

- Dam Safety
 - ROBES-004
 - 2/25/20 – Received submittal for the refurbishment of a sheet pile intake structure wall for ROBES-004 (Weatherspoon Cooling Lake Dam) Scope 2.
 - 3/24/20 – Received submittal for the abandonment of a former outfall structure and improvements to the existing dike for ROBES-004 (Weatherspoon Cooling Lake Dam) Scope 3.
 - ROBES-009
 - 2/27/20 – Received submittal for the removal of an 8-inch sluice line located near crest of dam for ROBES-009 (Weatherspoon 1979 Ash Basin Dam) Scope 9.
- Erosion and Sediment Control and Construction Storm Water
 - Nothing to report at this time.
- NPDES Storm Water
 - Nothing to report at this time.

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	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	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
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	ACTIVE
James E. Rogers Energy Complex (Cliffside Steam Station)	Cliffside Active Ash Basin Downstream Dam	CLEVE-049	ACTIVE

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	ACTIVE
Dan River Combined Cycle Station	Dan River Active Primary Ash Basin Dam	ROCKI-237	ON-GOING DECOMMISSIONING
Dan River Combined Cycle Station	Dan River Active Secondary Ash Basin Dam	ROCKI-238	ON-GOING DECOMMISSIONING
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	ACTIVE
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-TBD	ACTIVE
H.F. Lee Energy Complex	H.F. Lee Triangular Pond Dam	WAYNE-034	DECOMMISSIONED
Marshall Steam Station	Marshall Active Ash Basin Dam	CATAW-054	ACTIVE
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	DECOMMISSIONED
Mayo Steam Electric Plant	Mayo Lake Dam	PERSO-034	ACTIVE
Mayo Steam Electric Plant	Mayo Active Ash Pond Dam	PERSO-035	ACTIVE

Mayo Steam Electric Plant	Mayo FGD Settling Pond Dam	PERSO-036	ACTIVE
Mayo Steam Electric Plant	Mayo FGD Flush Pond Dam	PERSO-037	ACTIVE
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	ON-GOING DECOMISSIONIN G
Riverbend Steam Station	Riverbend Active Secondary Ash Basin Dam	GASTO-098	ON-GOING DECOMISSIONIN G
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	ACTIVE
Roxboro Steam Electric Plant	Roxboro East FGD Settling Pond Dam	PERSO-041	ACTIVE
Roxboro Steam Electric Plant	Roxboro FGD Forward Flush Pond Dam	PERSO-042	ACTIVE
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	ON-GOING DECOMISSION
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