

PERMIT NO.: 008-021D (CCR)

ISSUANCE DATE: \_\_\_\_\_



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION LAND PROTECTION BRANCH

### Closure/Post-Closure Care Permit for Coal Combustion Residuals (CCR)

Permittee Name: Georgia Power Company

Permittee Address: 241 Ralph McGill Blvd., NE, Atlanta, Georgia, 30308

In accordance with the provisions of the Georgia Comprehensive Solid Waste Management Act, and the Rules promulgated pursuant thereto, this permit is issued for the following operation:

The Closure in-place of CCR at Georgia Power Plant Bowen Existing CCR Surface Impoundment AP-1 located at 317 Covered Bridge Road, SW, Cartersville, Georgia, 30120. (Latitude: 34.1297° N; Longitude: 84.9298° W)

This permit is conditioned upon the permittee complying with the attached conditions of closure, which are hereby made a part of this permit.

All statements in the application and supporting evidence, information, and data submitted to the Environmental Protection Division of the Department of Natural Resources have been evaluated, considered and relied upon in the issuance of this permit.

This permit is now in effect; however, under Georgia law it is subject to appeal for 30 days following issuance, and is subject to modification or revocation on evidence of noncompliance: (i) with any provision of the Act or of the Rules promulgated pursuant thereto; or (ii) with any representation made in the above mentioned application or the statements and supporting data entered therein or attached thereto; or (iii) with any condition of this permit.



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Richard E. Dunn, Director  
Environmental Protection Division

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### **Conditions for Closure In-Place of Coal Combustion Residuals (CCR) Unit**

1. The following permit application documents submitted by the Permittee and approved by the Environmental Protection Division (EPD) on August 27, 2021 and August 30, 2021 for this CCR Unit are hereby made a part of this permit:
  - a. Closure Plan
  - b. Post-Closure Care Plan
  - c. Groundwater Monitoring Plan
  - d. Closure Drawings
  - e. Construction Quality Assurance Plan

Any Division-approved Modifications to the permit application documents shall also become part of this permit. Conditions of this permit supersede any provisions of the permit application documents which may conflict.

2. The Permittee shall comply with the location restriction demonstrations, the design criteria, the operating criteria, the closure and the post-closure criteria required by the Rules for Solid Waste Management, Chapter 391-3-4-.10, as applicable.
3. Stormwater runoff from disturbed areas not covered under an applicable National Pollutant Discharge Elimination System (NPDES) permit shall be controlled by use of appropriate erosion and sedimentation control measures or devices. Best management practices (BMPs) from the most recent edition of the Manual for Erosion and Sedimentation Control in Georgia shall be utilized.
4. Stormwater runoff during closure activities shall be managed in accordance with the NPDES permits and, as applicable, the associated Stormwater Pollution Prevention Plans or Dewatering Plans.
5. Site survey control shall be provided and maintained to ensure compliance with the approved permit documents.
6. As part of closure and post-closure care, all-weather access roads shall be provided to the CCR Unit and provisions shall be made for maintenance and prompt repair when needed.
7. Access to the facility containing the CCR Unit shall be restricted to authorized entrances that are secured and/or controlled at all times.

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8. The Permittee shall maintain the records specified by the Rules for Solid Waste Management, Chapter 391-3-4 in a form suitable for submission and/or inspection by EPD, as applicable.
9. The Permittee shall comply with the Notification requirements in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10, as applicable.
10. The Permittee shall comply with the publicly accessible Internet site requirements in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10. The information required to be posted to the CCR Web site must be made available to the public for at least five years following the date on which the information was first posted to the CCR Web site.
11. The Permittee shall fully satisfy all applicable financial responsibility requirements for closure and post-closure care in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10.
12. As part of closure and post-closure care, the Permittee shall maintain the groundwater monitoring system and monitor the groundwater in accordance with the approved groundwater monitoring plan and the Rules for Solid Waste Management, Chapter 391-3-4-.10. Changes to the groundwater monitoring system may be required under the Rules for Solid Waste Management, Chapter 391-3-4-.10, as requested and/or approved by EPD during the closure and post-closure care period. Such changes may be due to changing potentiometric conditions, evaluation of groundwater monitoring data, and revisions to the site conceptual model.
13. The Permittee must initiate an assessment of corrective measures as specified in the Rules for Solid Waste Management, Chapter 391-3-4-.10, if an Appendix IV constituent has been detected at a statistically significant level exceeding the groundwater protection standard or conditions indicate a threat to human health or the environment as determined by the Director. Based on the results of the assessment of corrective measures, the Permittee must select an interim measure (if applicable) and/or remedy as specified in the Rules for Solid Waste Management, Chapter 391-3-4-.10. The selected interim measure and/or remedy must be approved by the Division and then implemented in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10. The Permittee shall demonstrate that the remedy is complete through submittal of a written certification provided by a professional geologist or engineer registered in Georgia.
14. CCR handling activities shall be conducted in accordance with the approved Permit documents in order to prevent air, water and land impacts or public health hazards above applicable regulatory thresholds that are not otherwise subject to corrective action or remedial processes under applicable state CCR rules. Fugitive dust from the CCR Unit shall be controlled at all times in accordance with the Fugitive Dust Control Plan.

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15. Upon completion of each cell construction, the Permittee must provide the EPD with written certification, by a professional engineer licensed to practice in Georgia, that the cell has been constructed in accordance with this permit.
16. The Permittee shall complete closure of the CCR unit by December 31, 2025 in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10. If the Permittee cannot complete closure by December 31, 2025, time extensions may be obtained to complete closure of the unit five times, in two-year increments. For each two-year extension sought, the Permittee must substantiate and certify the factual circumstances demonstrating the need for the extension.
17. Upon completion of closure activities, the Permittee shall submit to the Director a closure report prepared by a professional engineer, registered in Georgia, certifying that closure activities have been completed for this Unit in accordance with this Permit. If the Director concurs with the closure report, closure will be deemed complete and the facility may begin the post-closure care period.
18. Concurrent with the submission of the closure report to the Director, the Permittee shall submit confirmation to the Director that a notation on the property deed has been recorded. This recording must in perpetuity notify any potential purchaser of the property that the land has been used as a CCR unit and that its use is restricted under the post closure care requirements of this Rule.
19. The Permittee shall conduct post-closure care for a period of at least thirty (30) years, following closure of the CCR Unit, in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10. The Director may extend the period where necessary to adequately protect human health and the environment.
20. As part of post-closure care, the Permittee shall maintain the integrity and effectiveness of the final cover system, including making repairs to the final cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and preventing run-on and run-off from eroding or otherwise damaging the final cover.
21. As part of closure and post-closure care, the Permittee shall maintain the integrity and effectiveness of the leachate collection and removal system and operate the leachate collection and removal system in accordance with the approved Permit documents.

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22. Post-closure use of the property shall not be allowed to disturb the integrity of the final cover, liner(s), or any other components of the containment system, or the function of the monitoring systems, unless the Permittee demonstrates to the Division that:
  - a. the activities will not increase the potential threat to human health or the environment; or
  - b. the activities are necessary to reduce a threat to human health or the environment.
23. As part of post-closure care and in accordance with the Rules for Solid Waste Management Chapter 391-3-4, the Permittee shall ensure that any CCR removed from the subject CCR Unit is beneficially used or transferred to a solid waste handling facility that has been permitted to receive such waste and has an EPD approved CCR Management Plan, if applicable. The Permittee or any subsequent owner or operator must request and receive written approval from the Division to remove soils or CCR from the property within the permit boundary.
24. At the end of post-closure care period, the Permittee shall notify and submit to the Director a signed certification by a Professional Engineer, registered to practice in Georgia, verifying that post-closure care has been completed for this facility in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10, and in accordance with this Permit and that no imminent threat to human health or the environment exists.
25. The Permittee shall comply with all other applicable state and local laws, rules and ordinances which are not incorporated as conditions of this permit, but which are separately enforced by the relevant state or local agency with jurisdiction.