

PERMIT NO.: 008-018D(CCR)

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



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

### LAND PROTECTION BRANCH

#### Handling 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:

Bartow County - Georgia Power Plant Bowen CCR Landfill located at 317 Covered Bridge Road SW, Cartersville, Georgia, 30120. (Latitude: 34.1359; Longitude: -84.9034)

This permit is conditioned upon the permittee complying with the attached conditions of operation, 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.



Richard E. Dunn, Director  
Environmental Protection Division

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### **Conditions for Coal Combustion Residuals (CCR) Landfill**

1. The existing landfill Permit Number 018-008D(LI) is incorporated into and subject to the requirements of Permit Number 018-008D(CCR). All previous solid waste handling permits, and permit modifications are hereby superseded.
2. The following permit application documents submitted by the Permittee and approved by the Environmental Protection Division (EPD) on October 24, 2022 for this CCR Landfill are hereby made a part of this permit:
  - a. Operations Plan
  - b. Construction Quality Assurance Plan
  - c. Closure Plan
  - d. Post-Closure Care Plan
  - e. Groundwater Monitoring Plan
  - f. Permit Drawings

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.

3. The Permittee shall comply with the location restrictions and site limitations, the design criteria, the operating criteria, and the closure criteria required by the Rules for Solid Waste Management, Chapter 391-3-4-.10.
4. Because the disposal facility is located in karst topography, engineering measures to ensure the integrity of the disposal facility's structural components shall be implemented in accordance with the approved Operations Plan, the approved Construction Quality Assurance Plan, and Section II of Southern Company Services, Inc.'s *Georgia Power Company, Plant Bowen, Proposed Coal Combustion By-Product Monofill, Addendum I, Site Acceptability Report, Hydrogeological Assessment and Demonstration of Engineering Measures, dated July 2004*. Any change to the scope of the engineering measures would require a major modification to this permit.
5. Upon completion of a new Cell construction, and prior to receipt of waste, the Permittee shall provide the EPD with written certification, by a professional engineer licensed to practice in Georgia, that the new Cell has been constructed in accordance with this permit.
6. The CCR Landfill shall be operated only under the direct supervision of a responsible individual properly trained in the operation of such facilities.

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7. The CCR Landfill shall be managed 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 Landfill shall be controlled at all times in accordance with the Operations Plan.
8. Waste disposal shall be limited to CCR and non-CCR waste as described in the approved Operations Plan.
9. CCR and non-CCR waste unloading shall be restricted to the working face of the operation in such a manner that waste may be easily incorporated into the landfill with available equipment.
10. CCR and non-CCR waste shall be spread in uniform and continuous layers and compacted to its smallest practical volume. Placement of waste shall be conducted in accordance with the Operations Plan.
11. The CCR landfill shall be graded and drained to minimize runoff onto the landfill, to prevent erosion, and to drain water from the surface of the landfill. Best Management Practices (BMPs) from the most recent edition of the Manual for Erosion and Sedimentation Control in Georgia shall be utilized. Stormwater runoff shall be managed in accordance with the NPDES permits, as applicable.
12. 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.
13. 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.
14. All-weather access roads shall be provided to the CCR Landfill, and provisions shall be made for maintenance and prompt equipment repair or replacement when needed.
15. Access to the CCR Landfill shall be restricted to authorized entrances that are secured and/or controlled at all times.

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16. Site survey control shall be provided and maintained to ensure compliance with the approved Permit documents.
17. 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.
18. The Permittee shall comply with the Notification requirements in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10, as applicable.
19. 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.
20. The Permittee shall fully satisfy all applicable financial responsibility requirements in accordance with the Rules for Solid Waste Management, Chapter 391-3-4-.10.
21. 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. Such changes may be due to changing potentiometric conditions, evaluation of groundwater monitoring data, and revisions to the site conceptual model.
22. The Permittee shall 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. Upon concurrence by the Division, the selected interim measure and/or remedy must be 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.
23. The Permittee shall comply with the measuring and reporting requirements of the CCR waste

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disposed in the landfill and the CCR removed, recovered, or diverted for beneficial use in accordance the Rules for Solid Waste Management Chapter 391-3-4-.17.

24. The CCR Landfill shall be closed in accordance with Rule 391-3-4-.10 and the approved Closure Plan.
25. 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 landfill 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.
26. 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 landfill and that its use is restricted under the post closure care requirements of Rule 391-3-4-.10.
27. 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.