

1. INTRODUCTION

Georgia Power Company (Georgia Power) owns and operates Plant McIntosh located in southeast Effingham County, Georgia. The plant is approximately 4 miles northeast of the city of Rincon, Georgia and 20 miles north-northwest of the city of Savannah, Georgia. The plant property is on the west bank of the Savannah River at Big Kiffer Point, south from mile 41.4 to mile 43.1. Plant McIntosh comprises 11 generating units, eight – 80-megawatt (MW) combustion turbines units, two – 660 MW combined cycle units, and a 167 MW coal-fired generating unit.

In accordance with the Georgia Department of Natural Resources, Environmental Protection Division (Georgia EPD) Rules for Solid Waste Management, Rule 391-3-4-.10 – *Coal Combustion Residuals (CCR)*, Plant McIntosh Coal Combustion Residual (CCR) Inactive Landfill No. 3 (Landfill No. 3) is classified as an “Inactive” CCR landfill because it stopped receiving wastes prior to October 19, 2015. The closure of Landfill No. 3 was completed in 2005. Georgia EPD issued a Closure Certificate on March 21, 2008. Copies of the closure certificate and deed notice with legal description are provided in Section 2 of Part B – Supporting Documents. The Post-Closure Care period for Landfill No. 3 began on March 21, 2008. Therefore, a written Closure Plan for Landfill No. 3 is not applicable.

Rule 391-3-4-.10(5)(c) stipulates the operation and use if the CCR unit shall be in accordance with solid waste handling permit. Landfill No. 3 was designed, permitted, operated, and closed in accordance with Solid Waste Handling Permit 051-008D(L)(I). Georgia Power is continuing to comply with all conditions of the solid waste handling permit during the post-closure care period.

Rule 391-3-4-.10(9)(b)4. requires the Owner to submit a financial assurance mechanism meeting the requirements of Rule 391-3-4-.13. Financial assurance for the post-closure care period for Landfill No. 3 is addressed in the Post Closure Plan included in this application. Georgia Power will provide a demonstration of financial assurance upon approval of the long-term care estimate by Georgia EPD.

Rule 391-3-4-.10(9)(c)3.(ii) requires a description of how the CCR landfills operating criteria requirements in 40 CFR 257.80 (Air Criteria), 40 CFR 257.81 (Runoff/Run-off), and 40 CFR 257.84 (Inspections) are met. Since landfill No. 3 has been closed and is currently in the post-closure care period, as described above, the description of how Georgia Power will meet the dust control, run-on/run-off, and inspection requirements through the post-closure care period is included in the Post Closure Plan, Part A, Section 6 of this application package.

Rule 391-3-4-.10(9)(c)3.(iv) requires an explanation of how the closure and post-closure care requirements of 40 CFR 257.102 and 40 CFR 257.104 are met. Since landfill No. 3 has been closed and is currently in the post-closure care period, as described above, the explanation of how Georgia Power has met the closure requirements of 40 CFR 257.102 and how the post-closure care requirements of 40 CFR 257.104 will be met are included in the Post Closure Plan, Part A, Section 6 of this application package.

Rule 391-3-4-.10(9)(c)4. requires Inactive CCR Landfills to meet the requirements of subparagraphs (9)(c)3.(i)–(iv) and excludes subparagraph (9)(c)3.(v) of the Rule for an existing CCR landfill. So, a website address to post the information required by 40 CFR 257.105, 40 CFR 257.106, and 40 CFR 257.107 is not required for Landfill No. 3 because it is an Inactive CCR Landfill.

Georgia Power is submitting the attached information in support of an application for a solid waste handling permit as required under Rules 391-3-4-.10(9)(a), 391-3-4-.10(9)(b), and 391-3-4-.10(9)(c)4 for an inactive CCR landfill.

2. APPLICATION FORM

November 15, 2018

Mr. William Cook
Program Manager
Solid Waste Management Program
Georgia Department of Natural Resources
Environmental Protection Division
4244 International Parkway, Suite 104
Atlanta, GA 30354

**Re: Georgia Power Company
Plant McIntosh CCR Landfill 3
Solid Waste Permit Application**

Dear Mr. Cook:

Please find enclosed three (3) hard copies and one (1) digital copy of an Application for Solid Waste Handling Permit and supporting documentation for the Plant McIntosh CCR Landfill 3. The enclosed permit package is being submitted to meet the requirements of the Georgia Rules for Solid Waste Management, Chapter 391-3-4-.10.

Should you have any questions regarding this submittal, please contact Erik Rolle at (404) 506-1365.

Sincerely,



Brett Mitchell
Environmental Affairs Manager
Georgia Power Company

Enclosures

Send completed application to:
 Environmental Protection Division, Solid Waste Management Program
 4244 International Parkway, Suite 104
 Atlanta, GA 30354-3902

County: _____

Facility Name: _____

CCR Unit - Application for Solid Waste Handling Permit

(Please type or print)

I. APPLICANT INFORMATION

Owner's Name or Registered Corporation Name: **Georgia Power Company**

Facility Address: **981 Old Augusta Road Central
P.O. Box 2507**

Phone: **(404) 506-6505**

City: **Rincon**

State: **GA**

ZIP Code: **31326**

Authorized Official: **Aaron D. Mitchell**

Title: **General Manager – Environmental Affairs**

Mailing Address: **241 Ralph McGill Blvd., NE**

Phone: **(404) 506-6505**

City: **Atlanta**

State: **GA**

ZIP Code: **30308**

Email Address: **gpcenv@southernco.com**

Facility CCR Website(s): **www.georgiapower.com**

II. PROPERTY DETAILS: Complete below and attach a street or highway map indicating the site/facility location. Application must be accompanied by written zoning confirmation.

County: **Effingham**

City: **Rincon**

Co-ordinates (in decimal degrees, near facility center): **Latitude: 32.33936°N; Longitude: 81.19815°W**

Property for Processing/Disposal is: Owned Leased (please complete owner details below)

Property Owner (if leased):

Address:

Phone:

City:

State:

Zip:

III. APPLICATION TYPE:

New Permit

Major Modification to Existing Permit

Transfer of Permit

Other

IV. CCR UNITS: List all CCR units covered under this application

Inactive CCR Landfill No. 3

V. OWNERS: List all owners of the facility (defined as holding a 5% or greater share). All owners listed below must complete the Supplemental Form for O.C.G.A. 12-8-23.1(a)(3)(B)

Georgia Power Company

VI. SIGNATURE

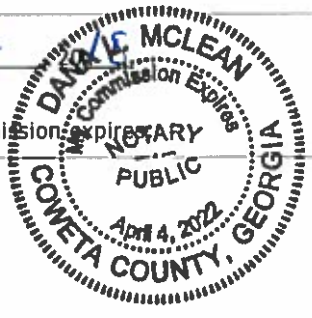
Authorized Official's Signature: *A. D. Mitchell*

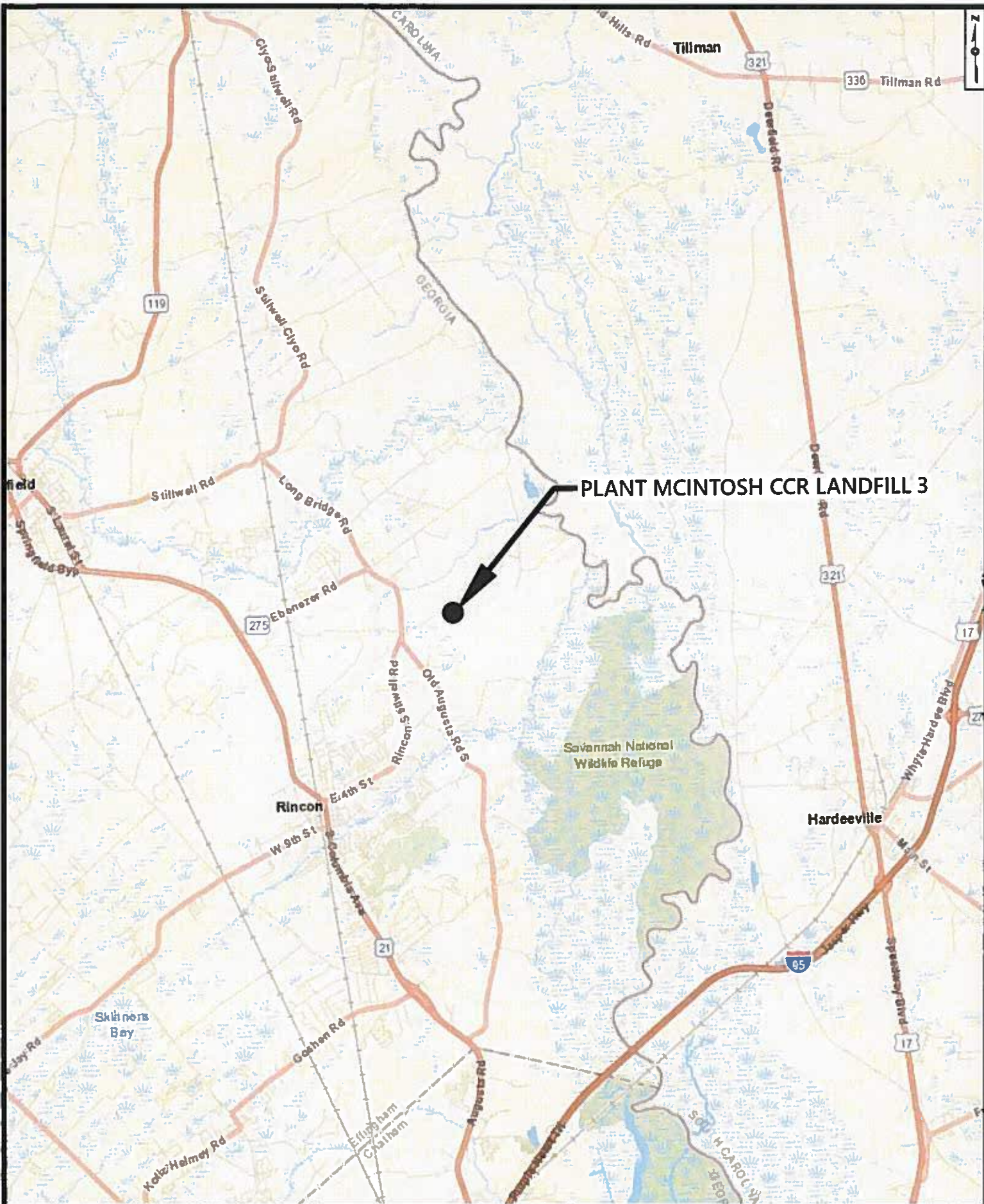
Date: *11/13/18*

Sworn to and subscribed before me this *13* day of *November*

Notary Public: *Dana of McClean*

My commission expires





PLANT MCINTOSH CCR LANDFILL 3

Location Map

Georgia Power Company - Plant McIntosh
CCR Landfill 3

Date: 11/1/2018



Send with completed application to:
 Environmental Protection Division, Solid Waste Management Program
 4244 International Parkway, Suite 104
 Atlanta, GA 30354-3902

County: _____

Facility: _____

Solid Waste Handling Permit Supplemental Form for O.C.G.A. 12-8-23.1(a)(3)(B)

(Please type or print)

I. INFORMATION: This form must be completed by each owner, or an authorized official of a corporation, holding a 5% or greater ownership share. This form must be notarized.

Name of Facility Applying for Solid Waste Handling Permit: **Plant McIntosh Inactive CCR Landfill No. 3**

Owner's Name or Registered Corporation Name: **Georgia Power Company**

Authorized Official: **Aaron D. Mitchell** Title: **General Manager – Environmental Affairs**

Mailing Address: **241 Ralph McGill Blvd., NE** Phone: **(404) 506 - 6505**

City: **Atlanta** State: **GA** ZIP Code: **30308**

Email Address: **gpcenv@southernco.com**

A.	Yes	No
(1) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association intentionally misrepresented or concealed any material fact in the application submitted to the director?	<input type="checkbox"/>	X
(2) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association obtained or attempted to obtain the permit by misrepresentation or concealment?	<input type="checkbox"/>	X
(3) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been convicted by final judgment, and all appeals have been exhausted, in the State of Georgia or any federal court of any felony involving moral turpitude within three years immediately preceding the application for a permit?	<input type="checkbox"/>	X
(4) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been convicted of any violations of any environmental laws punishable as a felony in any state or federal court within five years preceding the application for a permit?	<input type="checkbox"/>	X
(5) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association knowingly, willfully, and consistently violated the prohibitions specified in Code Section 12-8-30.7?	<input type="checkbox"/>	X
(6) Has the applicant, or if the applicant is a corporation, partnership, or association, has any officer, director, manager, or shareholder of five percent or more of stock financial interest in the corporation, partnership, or association been adjudicated in contempt of any court order enforcing any federal environmental laws or any environmental laws of the State of Georgia within five years preceding the application for a permit?	<input type="checkbox"/>	X

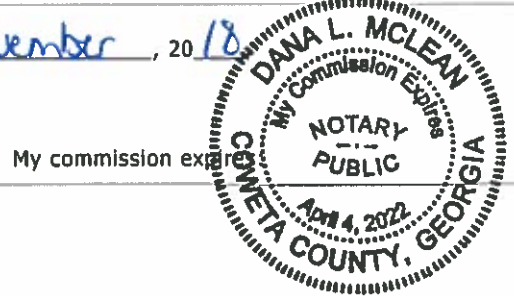
B. On a separate sheet, please provide detailed explanations for each question above answered "yes."

Signature: *Aaron D. Mitchell*

Date: *11/13/18*

Sworn to and subscribed before me this 13 day of November, 2018

Notary Public: *Dana L. McLean*



My commission expires

3. LOCAL ZONING OR LAND USE CONFIRMATION



Effingham County Development Services

601 North Laurel Street
Springfield, Georgia 31329
Phone: (912) 754-8050
Fax: (912) 754-8450

January 30, 2018

Mr. Jeffrey W. Cown
Branch Chief
Georgia Environmental Protection Division
2 Martin Luther King Jr. Drive, SE
Suite 1054 East Floyd Tower
Atlanta, GA 30334-9000

**Re: GA Power – Plant McIntosh
Permit Application – CCR Landfill #3**

Dear Mr. Cown,
The Georgia Power Plant McIntosh – CCR Landfill # 3 located at 981 Old Augusta Road Central, Rincon, Georgia complies with local zoning and land use ordinances.

Sincerely,

R.C. Barenchik
Zoning Administrator
Effingham County, Georgia
912-754-8050 x4502
rcbarenchik@effinghamcounty.org

4. PROFESSIONAL ENGINEERS CERTIFICATION

Plant McIntosh Existing Coal Combustion Residuals (CCR) Landfill No. 3 was permitted on March 2, 1984 when the Georgia Department of Natural Resources, Environmental Protection Division (Georgia EPD) issued Solid Waste Handling Permit No. 051-008D(LI). The permit allowed the construction and operation of Landfill No. 3 in accordance with the approved Design and Operational Plan. The closure of Landfill No. 3 was completed in 2005. Georgia EPD issued a Closure Certificate on March 21, 2008. Copies of the closure certificate and deed notice are provided in Section 2. This report fulfills the requirements for an application for a Solid Waste Handling Permit for Landfill No. 3 as an Inactive CCR Landfill in accordance with Rules 391-3-4-.10(9)(a), 391-3-4-.10(9)(b), and 391-3-4-.10(9)(c)4.

GEI Consultants, Inc. (GEI), is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has experience in the design and construction of solid waste disposal facilities. John M. Trast, P.E., with GEI is the Engineer of Record for this permit application. He is registered in the state of Georgia and has more than 25 years of experience in Engineering.

"I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I do hereby certify that the application requirements of the Georgia Environmental Protection Division Solid Waste Rule 391-3-4-.10 for Management of Coal Combustion Residuals have been met."



ATTEST:

GEI Consultants, Inc.
Engineering Firm

John Mathew Trast, P.E.
Name of Professional Engineer

John M. Trast
Signature

November 18, 2022
Date