

## 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(2)(a), Ash Pond 1 (AP-1) is classified as an Existing CCR Surface Impoundment. In 2016, Georgia Power announced that the method for closure of AP-1 would be by CCR removal. The impoundment will be dewatered as required to facilitate excavation of CCR material for removal. Upon removal of CCR, the site will be backfilled and graded to facilitate positive drainage of storm water run-off from the site and vegetated.

Georgia Power is providing this 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)5. for an existing surface impoundment.

Rule 391-3-4-.10(9)(c)5.(ii) requires a description of the CCR surface impoundment's design criteria as stipulated in 40 CFR 257.71 (liner design criteria) and 40 CFR 257.73 (structural integrity). AP-1 is an unlined CCR surface impoundment and is being closed in accordance with Rule 391-3-4-.10(7)(b) which incorporates the closure requirements of 40 CFR 257.101(b)(1). The demonstrations required by 40 CFR 257.73 for the surface impoundment have also been addressed as follows and are included in Part B of this permit application:

- Permanent Identification Marker
- Initial Hazard Potential Classification Assessment
- Liner Design Criteria
- Initial Safety Factor Assessment
- Initial Structural Stability Assessment

The Plant McIntosh AP-1 is classified as “Low” hazard potential. The required certification is included in Part B of this application. Since AP-1 has been classified as a “Low” hazard potential, the Emergency Action Plan set forth in 40 CFR 257.73(a)(3) is not applicable.

Rule 391-3-4-.10(9)(c)5.(iii) requires a description of how the CCR surface impoundment's operating criteria required by 40 CFR 257.80, 40 CFR 257.82 and 40 CFR 257.83 are met. The dust control plan, hydrologic and hydraulic capacity requirements, inflow design flood control system, and inspection requirements are included in the Closure Plan included in Part A of this application. Surface impoundment inspections during closure activities will continue to be performed in accordance with 40 CFR 257.83 until CCR removal has been completed.

Rule 391-3-4-.10(9)(c)5.(v) requires an explanation of how closure and post-closure requirements found in 40 CFR 257.101, 40 CFR 257.102, 40 CFR 257.103, and 40 CFR 257.104 will be met. This application includes a narrative description of the closure-by-removal of CCR for AP-1 in Part A, Closure Plan.

In accordance with Rule 391-3-4-.10(7)(g), which incorporates the post-closure requirements of 40 CFR 257.104(a)(2), a CCR unit being closed by removal of CCR is not subject to the post-closure care criteria. Therefore, a Post Closure Plan for AP-1 is not required and is not included in this application.

Rule 391-3-4-.10(9)(c)5.(vi) requires a website address for information required to be posted by 40 CFR 257.105, 40 CFR 257.106, and 40 CFR 257.107. The website address is:

<https://www.georgiapower.com/CCRRuleCompliance>

Rule 391-3-4-.10(9)(b)4. requires a financial assurance mechanism meeting the requirements of Rule 391-3-4-.13. In compliance with applicable securities laws and regulations, Georgia Power will provide specific cost estimates for closure during the permit application review process as estimates are developed and finalized. It is anticipated these estimates will be available to EPD in the first half of 2019. Georgia Power will provide a demonstration of financial assurance upon approval of closure estimates by EPD.

## 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 Ash Pond AP-1  
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 ash pond (AP-1) closure. 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: 32.3507°N; Longitude: 81.17161°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

**Existing CCR Surface Impoundment AP-1**

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

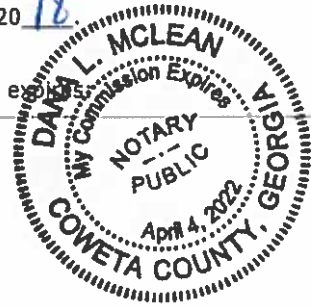
Authorized Official's Signature: *A. D. Mitchell*

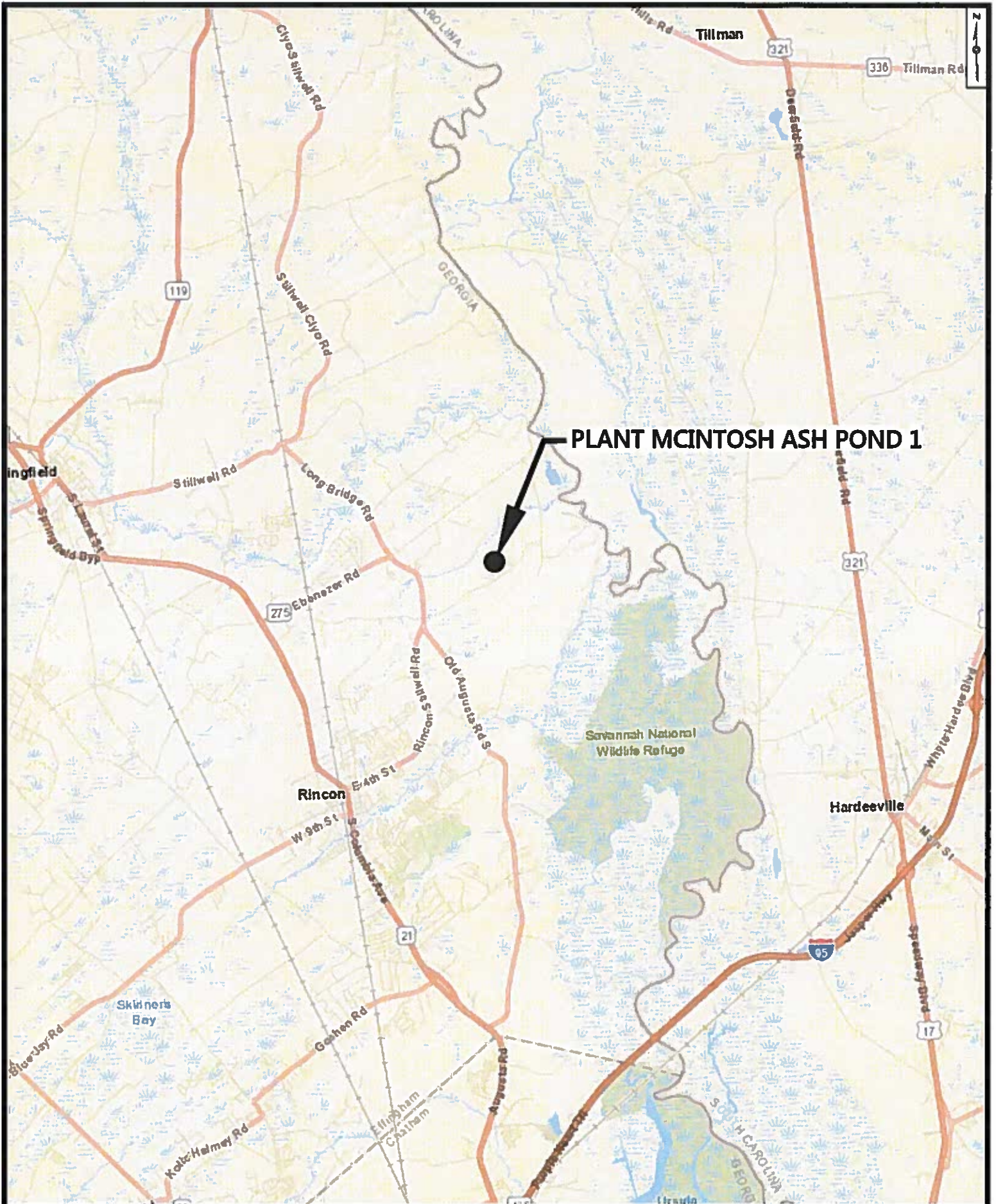
Date: *11/13/18*

Sworn to and subscribed before me this *13* day of *November*, 20 *18*.

Notary Public: *Dana L. McClean*

My commission expires





**PLANT MCINTOSH ASH POND 1**

Location Map

**Georgia Power Company - Plant McIntosh  
Ash Pond 1**

**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 Existing CCR Surface Impoundment AP-1**

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."

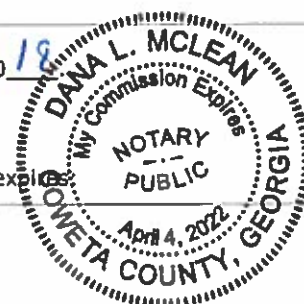
Signature: *Aaron D. Mitchell*

Date: *11/13/18*

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

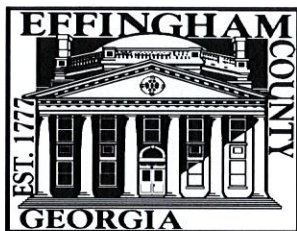
Notary Public: *Dana L. McLean*

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 Surface Impoundment**

Dear Mr. Cown,  
The Georgia Power CCR Surface Impoundment 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](mailto:rcbarenchik@effinghamcounty.org)

#### 4. PROFESSIONAL ENGINEER CERTIFICATION

Plant McIntosh AP-1 is an existing surface impoundment. This application fulfills the for a Solid Waste Handling Permit for AP-1 as an existing CCR surface impoundment in accordance with Rules 391-3-4-.10(9)(a), 391-3-4-.10(9)(b) and 391-3-4-.10(9)(c)5.

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 Mathew Trast*  
\_\_\_\_\_  
**Signature**

November 11, 2018  
\_\_\_\_\_  
**Date**