

AMENDED CLOSURE PLAN – REVISION 02
40 C.F.R. PART 257.102(b)
CCR UNIT ASH POND 1 (AP-1)
PLANT MCDONOUGH, GEORGIA POWER COMPANY

This Closure Plan was prepared for Georgia Power Company Plant McDonough Ash Pond 1 (AP-1), located in Cobb County, Georgia. This Closure Plan was prepared in accordance with the United States Environmental Protection Agency’s (EPA) “Disposal of Coal Combustion Residuals from Electric Utilities” Final Rule (40 C.F.R. Part 257 and Part 261) and meets the requirements of 40 CFR §257.102(b) for closure of CCR surface impoundments.

Plant McDonough AP-1 no longer receives CCR and is in the process of obtaining a solid waste permit under the Georgia Rules for Solid Waste Management, 391-3-4-.10. Installation of the final cover system for Plant McDonough AP-1 was substantially completed Q1 2017, and AP-1 is undergoing additional closure construction in the near term in accordance with 40 C.F.R. §257.102(d), including the installation of a fully encompassing subsurface barrier wall and adjacent associated closure system upgrades.

Facility details are as follows:

Site Name / Address

Plant McDonough – Atkinson
5551 South Cobb Drive SE
Smyrna, GA 30080

Owner Name / Address

Georgia Power Company
241 Ralph McGill Boulevard
Atlanta, GA 30308

CCR Unit

Ash Pond 1 (AP-1)

Closure Method

Close in Place

CLOSURE PLAN

The purpose of this Closure Plan is to outline the methods and procedures used to close AP-1 consistent with recognized and generally accepted good engineering practices. A Notification of Intent to Initiate Closure was completed for AP-1 on December 7, 2015 indicating the Unit would undergo closure in accordance with 40 CFR §257.102(d). This Closure Plan is being amended to incorporate revisions to the closure schedule, and may be amended in the future in accordance with the requirements of 40 CFR §257.102(b)(3).

CCR MATERIAL ESTIMATE

The final closed configuration of Unit AP-1 contains approximately 1,400,000 cubic yards of CCR consolidated and closed in place. A nominal volume of materials from AP-1, estimated to not exceed approximately 15,000 cubic yards, may be disposed offsite.

CLOSURE PERFORMANCE STANDARD

Final Cover System

The final cover system for AP-1 is designed in accordance with 40 CFR 257.102(d)(3)(ii) to minimize maintenance after closure of these units. The final cover system is designed to prevent the future impoundment of water, and includes measures to prevent infiltration, sloughing, minimize erosion from wind and water, and settling. The final limits of CCR total 25 acres, and the extents of the final cover system total 28 acres as presented in the amended Closure Plan Design Drawings. The engineered final cover system consists of the following minimum components, listed from top to bottom.

- Specified final cover infill as outlined in final closure plan design;
 - 1/2" minimum sand infill
 - 1/2" minimum sand infill with ArmorFill® application
 - 3/4" minimum HydroBinder® infill
 - Specified rock/stone gradations overlying a geosynthetic separation and protection layer
- Engineered Synthetic Turf (ClosureTurf®); and
- 40 mil minimum thickness low density polyethylene geomembrane liner.

The final cover system, consisting of engineered synthetic turf with run-on and run-off controls meets the following standards:

- Control, minimize or eliminate, to the maximum extent feasible, post-closure infiltration of liquids into the waste and releases of CCR, leachate, or contaminated run-off to the ground or surface waters or to the atmosphere;
- Preclude the probability of future impoundment of water, sediment, or slurry;
- Include measures that provide for major slope stability to prevent the sloughing or movement of the final cover system during the closure and post-closure care period;
- Minimize the need for further maintenance of the CCR unit; and
- Be completed in the shortest amount of time consistent with recognized and generally accepted good engineering practices.

SCHEDULE

Closure activities for AP-1 are outlined in the schedule presented in below. AP-1 is currently undergoing closure in accordance with §257.102(d) and no longer receives CCR.

Closure Activity	Completion Date
Notification of Intent to Initiate Closure	December 7, 2015
Begin Dewatering Activities	Q1 2016
Begin Closure Construction Activities	Q4 2016
Completion of Final Closure Activities (including Perimeter Barrier Wall)	Q4 2022

CERTIFICATION

I certify that this Closure Plan was prepared in accordance with 40 C.F.R. §257.102.



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