

INITIAL WRITTEN CLOSURE PLAN
40 C.F.R. PART 257.102
PLANT WANSLEY ASH POND 1 (AP-1)
GEORGIA POWER COMPANY

SITE INFORMATION

Site Name / Address

Plant Wansley
1371 Liberty Church Rd.
Carrollton, GA 30116

Owner Name / Address

Georgia Power Company
241 Ralph McGill Blvd
Atlanta, GA 30308

CCR Unit

AP-1

Closure Method

Close In-Place

CLOSURE PLAN DESCRIPTION

§ 257.102(b)(1)(i) – Narrative description of how the CCR unit will be closed.

Plant Wansley AP-1 will be closed by consolidating the ash within the 343 acre ash pond to a smaller footprint. The reduced footprint will then be closed by leaving CCR in place. In accordance with § 257.102(b)(3), the written closure plan will be amended if there is a change in operation that would substantially affect the written closure plan in effect or if there are unanticipated events that necessitate a revision of the closure plan.

§ 257.102(b)(1)(iii) –Closure of the CCR unit by Consolidation and by leaving CCR in place

Methods and Procedures

At the initiation of closure of AP-1, the free water level within the ash pond will be reduced to an appropriate level to provide safe access for the construction of an ash containment structure for the consolidated footprint, excavation of ash outside the containment structure, and construction of the final cover system. All CCR will be excavated from the area outside the containment structure, transported, and disposed of in the consolidated footprint to create a subgrade for the final cover system. Excavation will include removing all visible ash and over excavating into the subgrade soils.

In accordance with § 257.102(d), the final cover system will be constructed to control, minimize or eliminate, to the maximum extent feasible, post closure infiltration of liquids into the waste and potential releases of CCR from the unit. This will be accomplished by providing sufficient grades and slopes to: 1) preclude the probability of future impoundment of water, slurry, or sediment; 2) ensure slope and cover system stability; 3) minimize the need for further maintenance; and, 4) be completed in the shortest amount of time consistent with recognized and generally accepted good engineering practices.

Description of Final Cover System

The final cover system for the consolidated footprint will be designed to minimize infiltration and erosion. The cover system to be used is currently being evaluated and final design is not yet complete. The final cover system, at a minimum, will be designed to meet or exceed the requirements of 40 C.F.R. §257.102(d)(3)(i) or (ii) (traditional and alternative cover system) in that the permeability of the final cover system will be less than or equal to the permeability of the natural subsoils present beneath the surface impoundment, but no greater than 1×10^{-5} cm/sec. Final design will ensure the disruption of the integrity of the final cover system is minimized through a design that accommodates settlement and subsidence, in addition to providing an erosion layer for protection from wind or water erosion.

§ 257.102(b)(1)(iv) – Estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit

AP-1 currently contains approximately 14,200,00 cubic yards of CCR. Future use of the unit will not substantially affect the written closure plan in effect.

§ 257.102(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover

The current size of the Plant Wansley Ash Pond is 343 acres. Consolidation of ash within the current ash pond is currently being evaluated and determination of the final, consolidated footprint, is not yet complete.

§ 257.102(b)(1)(vi) – Closure Schedule

The milestones and the associated timeframes are initial estimates. Some of the activities associated with the milestones will overlap. Milestones reflect approximate time to implement closure instead of dates since there is no specific date to initiate closure. An extension of the time required to complete closure will be needed given the size of the ash pond and the time required to dewater and consolidate/stabilize the ash to then complete final cover installation.

Estimated Milestones

Design & Permitting (State Agency coordination and permit acquisition) – within 3 years

Dewatering – 2 years

Excavation/Grading & stabilization – 5 year

Installation of final cover – 15 months

Estimate of Year in which all closure activities will be completed - 2026

Certification Statement 40 CFR § 257.102(b)(4)

Initial Written Closure Plan

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CCR Unit

AP-1

I hereby certify that the written closure plan was prepared in accordance with the requirements of 40 CFR § 257.102, and that the final cover system will meet the requirements of § 257.102(d)(3).


Gary H. McWhorter
10/17/16
Gary H. McWhorter
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