PERIODIC HAZARD POTENTIAL CLASSIFICATION ASSESSMENT
391-3-4-.10(4) and 40 C.F.R. § 257.73
PLANT BOWEN ASH POND (AP-1)
GEORGIA POWER COMPANY

The Federal CCR Rule, and, for Existing Surface Impoundments where applicable, the Georgia CCR Rule (391-3-4-.10) require the owner or operator of a CCR surface impoundment to conduct initial and periodic hazard potential classification assessments. *See* 40 C.F.R. § 257.73(a)(2); Ga. Comp. R. & Regs. r. 391-3-4-.10(4)(b). The owner or operator must classify the hazard potential of each CCR surface impoundment as either a high hazard potential CCR surface impoundment, a significant hazard potential CCR surface impoundment, or a low hazard potential CCR surface impoundment and document the basis of the classification. In addition, the Rules require a subsequent assessment be performed within 5 years of the completion of the previous assessment. *See* 40 C.F.R. § 257.73(f)(3); Ga. Comp. R. & Regs. r. 391-3-4-.10(4)(b). The previous Periodic Hazard Potential Classification Assessment was placed in the Operating Record on October 15, 2021.

The CCR surface impoundment known as Plant Bowen AP-1 is located on Plant Bowen property near Euharlee in south Bartow County, Georgia, approximately 7 miles west-southwest of the city of Cartersville.

AP-1 was formed by the construction of an engineered perimeter dam which bounds the impoundment on the east, south and west sides, and approximately two-thirds of the north side. The remaining portions of the impoundment are contained by natural ground. Plant generation and other facilities are located to the east, with undeveloped property located to the south and west, and residential property to the north. The Etowah River is located approximately 1000 feet northeast of the impoundment. Euharlee Creek is located 300 feet downstream of the western dam at the closest point. The northern 125 acres of the impoundment (North Stack Area) is filled with dry-stacked CCR.

The Notification of Intent to Initiate Closure was placed in the Operating Record on December 31, 2020, and closure activities are underway. AP-1 is being closed in place in a consolidated, lined footprint within AP-1. Dewatering activities have removed all free liquids from AP-1. Stormwater run-off following a storm event is routed off-site. All contact water is routed to the Contact Water Ponds and discharged to the wastewater treatment system. The southern portion of the dam has been lowered and the recycle

water pond, once located on the southern portion of the impoundment, has been removed as a part of closure construction. The CCR in the North Stack Area is being excavated for beneficial use. CCR excavation and disposal cell construction are also underway in the southern area of AP-1. Based on the ongoing closure activities, AP-1 no longer impounds water. The closure of AP-1 has been designed to have no negative impact on the classification on the stability of the perimeter dams.

A hazard potential classification of Significant Hazard Potential was assigned to AP-1 in 2016 and 2021. As indicated in the 2026 Structural Stability Assessment, AP-1 is located in an unstable geological area (karst), as defined by 40 C.F.R § 257.53, but does not meet the unstable ground requirements of 40 C.F.R § 257.64(a). (See Location Restriction Demonstration, October 17, 2018). Recognized and generally accepted good engineering practices have been incorporated into the closure design of AP-1 to ensure that the integrity of the structural components of AP-1 will not be disrupted. However, based on the ongoing closure activities within AP-1, as described above, and potential impacts in the unlikely event of disruption of structural components of AP-1, a classification of Significant Hazard Potential is still appropriate for AP-1. Structural failure or mis-operation of the unit would not result in probable loss of human life, but can cause economic loss, environmental damage, disruption of lifeline facilities, or impact other concerns.

I hereby certify that the hazard potential classification was conducted in accordance with 40 C.F.R. § 257.73(a)(2).



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