

HAZARD POTENTIAL CLASSIFICATION – REVISION 01
40 C.F.R. PART 257.73
CCR UNIT ASH POND 1 (AP-1)
PLANT MCDONOUGH, GEORGIA POWER COMPANY

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) Sections §257.73(a)(2) and §257.100(e)(3)(v) require the owner or operator of an existing or new CCR surface impoundment to conduct an initial and periodic hazard potential classification assessment. Hazard potential classification means the possible adverse incremental consequences that result from the release of water or stored contents due to failure of the diked CCR surface impoundment or mis-operation of the diked CCR surface impoundment or its appurtenances. Pursuant to 40 CFR §257.73, a CCR unit is classified with one of the following hazard classifications:

- High hazard potential CCR surface impoundment means a diked surface impoundment where failure or mis-operation will probably cause loss of human life.
- Significant hazard potential CCR surface impoundment means a diked surface impoundment where failure or mis-operation results in no probable loss of human life; but can cause economic loss, environmental damage, disruption of lifeline facilities, or impact other concerns.
- Low hazard potential CCR surface impoundment means a diked surface impoundment where failure or mis-operation results in no probable loss of human life and low economic and/or environmental losses. Losses are principally limited to the surface impoundment owner's property.

CCR surface impoundment known as Ash Pond 1 (AP-1) is located at Plant McDonough-Atkinson (Plant McDonough) in Cobb County, Georgia, owned and operated by Georgia Power Company. AP-1 is formed by engineered perimeter side hill embankments along the west, south, and east of the Unit. At the time of this submittal, 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.

Engineering evaluations performed for AP-1 to evaluate the hazard classification in the unlikely event of an embankment failure indicate that structural failure or mis-operation of the unit would result in no probable loss of human life and low economic and/or environmental losses, with any losses limited to the Owner's property.

I certify that the hazard potential classification for AP-1 was conducted in accordance with 40 CFR 257.73(a).



Gregory L. Hebel, PhD, P.E.

Georgia Licensed Professional Engineer No. 034749

Golder Associates Inc.