

**LOCATION RESTRICTION DEMONSTRATION
SEISMIC IMPACT ZONE (40 C.F.R. PART 257.63)
PLANT MCDONOUGH-ATKINSON ASH POND 1 (AP-1)
GEORGIA POWER COMPANY**

Plant McDonough AP-1 is subject to the timelines announced in 81 Fed. Reg. 51802 (Aug. 5, 2016). Provision §257.63 of the United States Environmental Protection Agency's "Disposal of Coal Combustion Residuals from Electric Utilities Final Rule" (40 C.F.R. Part 257) requires that a CCR surface impoundment must not be located in seismic impact zones unless all structural components are designed to resist the maximum horizontal acceleration in lithified earth material for the site. The CCR Rule (§257.53) specifies a seismic impact zone as an area having a probability of 2% that the maximum expected horizontal acceleration, expressed as a percentage of the earth's gravitational pull (g), will exceed 0.10 g in 50 years.

According to the USGS seismic hazard model, AP-1 is not located in a seismic impact zone since the maximum horizontal acceleration in lithified earth material associated with a 2% probability of exceedance in 50 years at the site (0.0963g) is below the 0.10g threshold associated with a seismic impact zone. Additionally, although not required, the stability of AP-1 was evaluated with regard to seismic loading and found to meet the minimum seismic stability requirements per §257.63.

I hereby certify that for Georgia Power Company Plant McDonough AP-1, the seismic impact zones location restriction demonstration meets the requirements of 40 C.F.R. Part 257.63(a).



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Golder Associates Inc.