

**LOCATION RESTRICTION DEMONSTRATION  
SEISMIC IMPACT ZONE (40 CFR 257.63)  
PLANT MCMANUS ASH POND 1 (AP-1)  
GEORGIA POWER COMPANY**

Plant McManus AP-1 is subject to the timelines announced in 81 Fed. Reg. 51802 (Aug. 5, 2016). EPA's "Disposal of Coal Combustion Residuals from Electric Utilities Final Rule" (40 CFR 257.63), requires that existing CCR surface impoundments must not be located in seismic impact zones unless the owner/operator demonstrates that all structural components of the impoundments (including liner systems, leachate collection and removal systems, and surface water control systems) are designed to resist the maximum horizontal acceleration in lithified earth material at the site. A seismic impact zone is defined in 40 CFR 257.53 as an area having a 2 percent or greater probability that the maximum expected horizontal acceleration, expressed as a percentage of the earth's gravitational pull (g), will exceed 0.10g (or 10%g) in 50 years. This determination can be made using a seismic hazard map or the maximum expected horizontal acceleration based on a site-specific seismic risk assessment.

Review of the United States Geologic Survey (USGS) Seismic Hazard Map for Georgia (USGS, 2014) indicates that the Plant McManus AP-1 site is situated within a seismic impact zone with a maximum expected horizontal acceleration of less than 10%g.

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

11/26/19

\_\_\_\_\_  
J. Robin Blanton, P.E.

Date

Licensed State of Georgia, P.E. No. 19978

