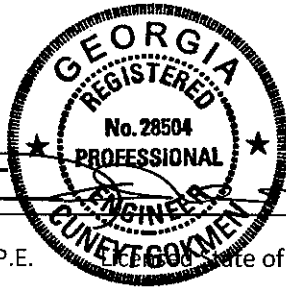


**LOCATION RESTRICTION DEMONSTRATION  
SEISMIC IMPACT ZONE (40 C.F.R. PART 257.63)  
PLANT WANSLEY ASH POND 1 (AP-1)  
GEORGIA POWER COMPANY**

EPA's "Disposal of Coal Combustion Residuals from Electric Utilities Final Rule" (40 C.F.R. Part 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 the USEPA CCR Rule 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. The United States Geological Survey (USGS) Unified Hazard Tool for the Coterminous U.S. (2014) (v4.1.1) was used to calculate the estimated maximum horizontal acceleration for the vicinity of AP-1. Based on the results of the USGS hazard tool calculation, the maximum horizontal acceleration in lithified earth material in the vicinity of AP-1 for the conditions specified in the CCR Rule is 0.082g (or 8.2%g), or less than 0.10g, therefore AP-1 is not located in a seismic impact zone.

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



Cuneyt Gokmen, P.E. State of GA, PE No. 28504

10/17/2018