

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

In accordance with 40 CFR 257.63, the existing Ash Pond 1 (AP-1) is required to comply with the location restrictions related to seismic impact zone.

Based on review of site location, geology, and available subsurface information, the existing AP-1 meets the location requirements for not being located in a seismic impact zone. The stability of the AP-1 dikes under seismic loading were evaluated and documented in the Initial Safety Factor Assessment in accordance with 40 CFR 257.73. A minimum factor of safety for seismic load conditions of 1.14 was computed. This value exceeded the minimum required factor of safety of 1.10. Based on the results of this analysis, the structural components of AP-1 were demonstrated to be stable under the maximum anticipated horizontal acceleration in lithified earth materials for the site.

The location restriction demonstration for the existing AP-1 was prepared under my direct supervision, direction, and control, in accordance with the Rules of Professional Conduct Chapter 180-6; and that, to the best of my knowledge, all information contained in this document is correct.



John Mathew Trast, P.E.
Registered Professional Engineer No. PE041928
Senior Consultant
GEI Consultants, Inc.

