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W. E. Ehrensperger  
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November 17, 1978

Director of Nuclear Reactor Regulation  
ATTN: Roger S. Boyd, Director  
Division of Project Management  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

NRC DOCKET NUMBERS 50-424 AND 50-425  
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109  
ALVIN W. VOGTLE NUCLEAR PLANT-UNITS 1 AND 2  
SUPPLEMENT 5 TO APPLICATION

Dear Mr. Boyd:

Georgia Power Company hereby files three (3) signed copies and sixty (60) conformed copies of Supplement 5 to its application for a Construction Permit and Operating License for the Alvin W. Vogtle Nuclear Plant, Units 1 and 2.

This supplement reflects the conclusions reached in our March 3, 1978 meeting with the NRC Staff on the main steam and main feedwater system design for the Vogtle Nuclear Plant. It also includes the 1.5 scaling factor that will be used to multiply the "envelope in-structure response spectra" generated for each deeply-embedded seismic Category I structure.

Yours truly,

*W. E. Ehrensperger*  
W. E. Ehrensperger

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