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ELV-03502  
001250

Docket Nos. 50-424  
50-425

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT  
SPDS AVAILABILITY

In Georgia Power Company (GPC) correspondence ELV-00311 dated March 10, 1989, GPC committed to perform a new availability test for process effluent radiation monitors that interface with the safety parameter display system (SPDS) and were out of service for the original availability test. In this letter, it was indicated that with these monitors excluded from the test criteria an availability of 99.936 percent was achieved per the NUREG-1137 (SER Supplement 6) 1000-hour availability test. The acceptance criteria for availability was 99.0 percent.

The availability demonstration included indication of plant variables to the control room operators to aid them in rapidly and reliably determining the safety status of the plant. These variables included critical safety function status tree inputs recommended by the Westinghouse Owner's Group (WOG) and information required by NUREG-0737 Supplement 1 in the areas of reactivity control, reactor core cooling, reactor coolant system integrity, radioactivity control, and containment conditions.

In addition to the critical safety function status trees recommended by the WOG, the Vogtle Electric Generating Plant also includes the process effluent radiation monitor system (PERMS) as inputs to the SPDS. The PERMS with the exception of the containment radiation monitors input, is not indication of a critical safety function as defined by the WOG and is provided as additional information for the operator. The containment radiation monitors were available during the 1000-hour availability test. While the PERMS as a whole did not attain a 99.0 percent availability during the availability test, the reliability of the SPDS insofar as its indication of critical safety functions recommended by the Owner's Group has been demonstrated. Therefore, GPC considers the SPDS testing completed and the additional test for the PERMS described in letter ELV-00311 not required since it is considered additional information only.

Sincerely,

*C. K. McCoy*  
C. K. McCoy

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Mr. D. S. Hood, Licensing Project Manager, NRR  
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