

Georgia Power Company  
Route 2, Box 299A  
Waynesboro, Georgia 30830  
Telephone 404 554-9961  
404 724-8114

Southern Company Services, Inc.  
Post Office Box 2625  
Birmingham, Alabama 35202  
Telephone 205 870-6011



**Vogtle Project**

May 28, 1985

Director of Nuclear Reactor Regulation  
Attention: Ms. Elinor G. Adensam, Chief  
Licensing Branch #4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

File: X7BC35  
Log: GN-628

REF: BAILEY TO DENTON, GN-609, DATED 5/10/85

NRC DOCKET NUMBERS 50-424 AND 50-425  
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109  
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2  
REQUEST FOR ADDITIONAL INFORMATION: DSER OPEN ITEM 92

Dear Mr. Denton:

As a result of a telephone conversation with members of your staff on May 24, 1985, the attached change has been made to the referenced letter. This change supercedes that of the referenced letter and will be included in FSAR Amendment 17.

If your staff requires any additional information, please do not hesitate to contact me.

Sincerely,

J. A. Bailey  
Project Licensing Manager

JAB/caa  
Enclosure

cc: D. O. Foster  
R. A. Thomas  
J. E. Joiner, Esquire  
B. W. Churchill, Esquire  
M. A. Miller  
B. Jones, Esquire  
L. T. Gucwa  
G. Bockhold, Jr.  
H. H. Gregory, III  
T. Johnson  
D. C. Teper  
L. Fowler  
Vogtle Project File

*Boo!*

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#### Insert to 13.2.1.2

The VEGP simulator will conform to the guidance given in Regulatory Guide 1.149. Performance testing of the simulator specified in paragraph 5.4 of ANSI/ANS-3.5-1981 will be accomplished in the following manner:

1. Comparison of the steady state operating values of critical and noncritical parameters between the VEGP Unit 1 control room and the simulator at various power levels.
2. Maneuvering of the simulator through the following plant evolutions listed in paragraph 3.1.1 of the standard.
  - (a) Plant startup - cold to hot standby. The starting conditions shall be refueling conditions of temperature, and pressure
  - (b) Nuclear startup from hot standby to rated power
  - (c) Turbine startup and generator synchronization
  - (d) Reactor trip followed by recovery to rated power
  - (e) Operations at hot standby
  - (f) Load changes (manual and automatic control)
  - (g) Plant shutdown from rated power to hot standby to cooldown to cold (refueling) conditions
  - (h) Startup, shutdown and power operations with less than full reactor coolant flow is not permitted by the VEGP operating license and therefore will not be conducted.
3. Core physics testing will be comprised of an evaluation of simulation of:
  - (a) Estimated critical position computation
  - (b) Estimated critical concentration computation
  - (c) Shutdown margin computation
  - (d) Estimating criticality by the I/M plotting method
4. Operations surveillance procedure testing will be comprised of those control room operations which are required to conduct the operability tests of the following systems:
  - (a) Diesel generators
  - (b) Auxiliary feedwater
  - (c) High lead safety injection
  - (d) Safety injection
  - (e) Residual heat removal
  - (f) Nuclear service cooling water
5. Simulator malfunction conditions shall be evaluated by experienced staff members for best estimate response or compared to actual plant data or other best estimate data.
6. The simulators response to transient conditions will be compared to design information from the simulator data base or other best estimate data.

7. When a limited change is made, a specific performance test on the affected systems and components shall be performed.

All testing will be performed independent of any classroom activity, with testing of the simulator as the only objective. The results of all testing will be documented as the testing is being performed.

Factory acceptance testing of the VEGP simulator has already been completed. The performance test described above will be completed prior to August 1, 1988 and not less than every four years thereafter.

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