



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

FEB 27 1984

DOCKET Nos. 50-424/425

MEMORANDUM FOR: Elinor Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing

FROM: Victor Benaroya, Chief  
Chemical Engineering Branch  
Division of Engineering

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON VOGTLE UNITS 1 & 2

Plant Name: Vogtle Electric Generating Plant, Units 1 & 2  
Suppliers: Westinghouse, Bechtel  
Licensing Stage: OL  
Docket Nos.: 50-424/425  
Responsible Branch and Project Manager: LB #4, M. Miller  
Reviewers: S. Kirslis, B. Turovlin  
Description of Task: Operating License Review  
Staus: Request for Additional Information

The Chemical Engineering Branch has reviewed FSAR Sections 5.4.2, 6.1.1, 6.1.2, 6.5.2, 9.1.2, 9.1.3, 9.3.2, 9.3.4, 10.3.5, 10.4.1, 10.4.6, 10.4.8 and Item II.B.3 of NUREG-0737 through Amendment 2. We need the enclosed additional information to complete our review. The applicant should respond by July 15, 1984, in order to maintain the current review schedule.

Victor Benaroya, Chief  
Chemical Engineering Branch  
Division of Engineering

Enclosure: As stated

Contact: S. Kirslis B. Turovlin  
x28572 x28556

cc: R. Vollmer w/o attachments  
W. Johnston  
D. Eisenhut  
C. McCracken  
M. Miller  
T. Sullivan  
S. Pawlicki  
T. Novak  
S. Kirslis  
B. Turovlin

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Additional Information Needed from  
Georgia Power Company  
for Vogtle Electric Generating Plant Units 1 & 2

The information provided in the FSAR was not sufficient for us to complete our evaluation. To complete our review, we need the following information:

- 281.1 Identify all materials (i.e., S. S. type 403, 316, etc.) in the  
(9.1.2) spent fuel storage pool including the neutron poison material, rack leveling feet and rack frame.
- 281.2 Provide test or operating data showing that the neutron poison  
(9.1.2) material will not degrade during the lifetime of the spent fuel storage pool.
- 281.3 Provide details of your proposed inservice inspection program to  
(9.1.2) ensure that the quality of the racks is maintained. Demonstrate that the program is adequate to reveal instances of deterioration of the poison materials and metallic materials during the life of the spent fuel storage racks. Provide information on the frequency of inspection and type of samples used in the monitoring program.
- 281.4 Show that no buildup of gases will occur in the cavities containing  
(9.1.2) the poison materials.
- 281.5 Provide a description or drawings showing how poison material is  
(9.1.2) positioned, held and encapsulated in the rack structure.
- 281.6 With respect to the secondary water chemistry control program, state  
(9.1.2) the procedures for recording and management of data, defining corrective actions for various out-of-specification parameters. The procedures should define the allowable time for correction of out-of-specification parameters. We recommend multiple levels of time allowable for providing correction based upon the amount of out-of-specification of the variable. (See EPRI NP-2704-SR, EPRI/SGOG guidelines). Because of the significance of condenser in-leakage the chemistry program should include a corrective