

50-424/425



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 29, 1996

Mr. C. K. McCoy  
Vice President - Nuclear  
Vogtle Project  
Georgia Power Company  
P. O. Box 1295  
Birmingham, AL 35201

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING TECHNICAL SPECIFICATION (TS) CREDIT FOR BORON AND FUEL ENRICHMENT, VOGTLE ELECTRIC GENERATING PLANT (VEGP) UNITS 1 AND 2 (TAC NOS. M96771 AND M96772)

Dear Mr. McCoy:

The Nuclear Regulatory Commission staff is reviewing your proposed license amendment request dated October 4, 1996, which would revise the VEGP Units 1 and 2 TS for taking credit for soluble boron in the fuel storage criticality analysis and the TS for the enrichment of fuel in storage (LCV-0849). The staff has identified the following six items of additional information that are required in order to complete its review. The staff understands that you plan to revise your October 4, 1996, submittal based on changes that are being considered by the Westinghouse Owner's Group for one of the related topical reports ("Westinghouse Spent Fuel Rack Criticality Analysis Methodology, WCAP-14416," dated June 1995). You are requested to provide additional information in your revised submittal that addresses the following issues.

1. The staff does not concur with the proposed placement of the burnup vs. initial enrichment tables and figures, or the cell storage configuration in the Core Operating Limits Report (COLR). These are not COLR-type items since they do not appear to be items that will change from cycle-to-cycle in the future. Also, the NRC should review any changes to these items. Therefore, they should be retained in the TS.
2. Proposed TS 3.7.17 should refer to the normal fuel pool boron concentration (2400 ppm), which could be placed in the COLR.
3. Proposed TS 4.3.1.1.c should refer to  $k_{eff}$  less than 1.0 with unborated water that includes an allowance for uncertainties as described in the revised methodology of WCAP-14416, which are now 95/95 values.
4. Proposed TS 4.3.1.1.b should also refer to the minimum boron concentration required to maintain the  $k_{eff}$  less than or equal to the 0.95 limit (1250 ppm). For example, " $k_{eff} \leq 0.95$  if fully flooded with water borated to 1250 ppm . . ."
5. The burnup requirements for a 3x3 checkerboard configuration approaches a burnup limit of over 48,000 MWD/MTU. Since WCAP-14416-P (Table 6) indicates a positive bias above 40,000 MWD/MTU, axial burnup distribution effects should be included in the burnup credit limit.

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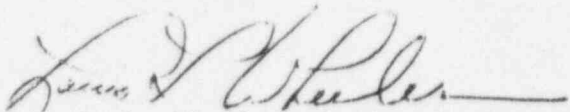
C. K. McCoy

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6. Discuss any changes in plant procedures, if necessary, to control pool boron concentrations and water inventory during both normal and accident conditions.

Please contact me at (301) 415-1444 if you have any questions.

Sincerely,



Louis L. Wheeler, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

cc: See next page

C. K. McCoy

-2-

October 29, 1996

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Original signed by:

Louis L. Wheeler, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
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cc: See next page

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DATE	10/18/96		10/28/96	10/28/96	10/28/96				

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