



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

November 7, 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 EXTENDED ALLOWED OUTAGE TIMES FOR THE EMERGENCY DIESEL GENERATORS - VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2 (TAC NOS. M96769 AND M96770)

Dear Mr. McCoy:

By letter dated September 13, 1996, Georgia Power Company (GPC) reapplied for license amendments consisting of changes to the Technical Specifications (TSs) that would extend the allowed outage time (AOT) for the emergency diesel generators (EDGs) for up to 14 days from the current limit of 3 days. In order to complete its review of your application, the staff requires the following additional information.

1. Please provide a markup of all TS sections issued on September 25, 1996, that will be affected by your application for the 14-day AOT. The staff recognizes that you may have provided most or all of this information during the review of your application for full conversion to the improved TSs. However, since new TSs have been issued, your markup of those new TSs is requested to ensure there is no confusion regarding your AOT request.
2. Beginning with the Station Blackout induced Core Damage Frequency (SBO/CDF) reported in the Vogtle Individual Plant Examination (IPE), identify and quantify SBO/CDF reduction (credit) taken in the revised Probabilistic Risk Assessment (PRA) for the following:

Plant Wilson availability (alternate AC source)

EDG X- Tie capability

Deletion of 7/15-11/15 hurricane season (in relation to the assumed loss of offsite power frequency)

Provide a revised SBO/CDF estimate based on the above. Describe and quantify any other credit taken in addition to the three items listed above. Provide this as your second revised SBO/CDF estimate. (Note: please do not include the 14-day EDG-AOT in this revised baseline estimate.) Include in your estimate a 14-day AOT for each of the EDGs and quantify the increase in SBO/CDF. Report this as your final SBO/CDF estimate.

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4. Please inform the staff when a document has been promulgated that provides specific directions for cross-connecting an EDG of one unit to the Class 1E busses of the other unit.

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

Sincerely,

original signed by
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

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Provide the calculated total CDF resulting from all PRA sequences involving SBO before and after you met the SBO Rule (10 CFR 50.63) implementation. Provide the instantaneous change in the CDF value for the worst-case plant configuration allowed under the proposed specification. Explain how the EDG preventive maintenance and subsequent on-line operability testing is treated in the CDF calculations.

Provide the EDG reliability and availability values used in the PRA analysis to calculate the SBO CDF values. Discuss these values in relationship to any goals associated with the implementation of the maintenance rule and in comparison to actual past performance of the Vogtle EDGs. Also, compare the values used in the PRA analysis to the target values committed to for SBO.

3. Provide a copy of your approved Configuration Risk Management Program (CRMP) and explain how it will be maintained and referenced in the administrative control section of the Vogtle TS. Please ensure that your submittal includes the following with respect to your CRMP:

Describe how PRA insights are (or will be) used in the decision making process, specifically with respect to planning and controlling maintenance activities involving the EDGs. Also, describe training requirements for personnel that will use or report PRA results to upper management.

Discuss how configuration risk estimates for equipment configurations not modeled in PRA were addressed. Also discuss the software presently used or planned to be used to generate PRA insights, and how it will be maintained.

Discuss the extent to which numerical criteria are used to proceed with a 14-day EDG AOT. Include any Incremental Conditional Core Damage Probability estimates, or core damage frequency estimates used as decision criteria. Describe how uncertainties will be addressed in the decision making process, and the role these quantitative insights will play in the management approval process.

Mr. C. K. McCoy

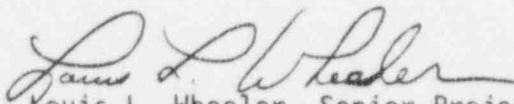
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November 7, 1996

4. Please inform the staff when a document has been promulgated that provides specific directions for cross-connecting an EDG of one unit to the Class 1E busses of the other unit.

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

Mr. C. K. McCoy
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Vogtle Electric Generating Plant

cc:

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