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Southern Nuclear Operating Company

the southern electric system

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Vice President
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10CFR50.46

Docket Nos. 50-348
50-364

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

Joseph M. Farley Nuclear Plant
Safety Injection (SI) To The Broken Loop

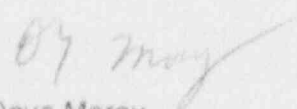
Gentlemen:

By letter dated October 29, 1993, Southern Nuclear Operating Company reported a significant change to the Westinghouse NOTRUMP small break LOCA evaluation model currently used in the licensing analysis for Farley Nuclear Plant. Since the change has been determined to be a significant change to the model, the following addresses the requirement to propose a schedule for re-analysis.

At the January 12, 1994, meeting between Westinghouse and the NRC, Westinghouse agreed to provide the NRC an addendum to WCAP-10054-P-A describing the SI model used in NOTRUMP, including SI to the broken loop. This addendum will reference the improved condensation model (COSI) described in WCAP-11767 and provide justification for application of this model to small break LOCA calculations. The NRC will be requested to formally review the addendum to WCAP-10054. Since the NRC review may affect the changes to the NOTRUMP evaluation model, Southern Nuclear proposes not to re-analyze to address SI to the broken loop issue prior to completion of the NRC's review. In the interim, Southern Nuclear will track the Peak Cladding Temperature (PCT) change reported in the October 29, 1993, letter as a model assessment to the Farley calculated PCT. Once the NRC has completed review of the NOTRUMP addendum on SI to the broken loop, and, if resolution of this issue results in a change to the NOTRUMP coding, Southern Nuclear will incorporate the new model at the next licensing action requiring re-analysis of the small break LOCA and for which NOTRUMP would be used as the Evaluation Model. Until the NOTRUMP evaluation model coding is changed and a re-analysis performed, Southern Nuclear proposes to report the net effect on PCT identified in the NRC's SER as a model assessment in future 10CFR50.46 reports.

If there are any questions, please advise.

Respectfully submitted,


Dave Morey

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cc: Mr. S. D. Ebner
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