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Alabama Power  
the southern electric system

February 10, 1984

Docket Nos. 50-348  
50-364

Director, Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. S. A. Varga

Joseph M. Farley Nuclear Plant - Units 1 and 2  
NUREG-0737, Item II.K.3.31, SBLOCA Analysis

Gentlemen:

Generic Letter 83-35 informed utilities that their small break loss of coolant accident (SBLOCA) analyses presently on file would still be in compliance with Appendix K to 10CFR50 provided the results of the SBLOCA analyses performed with the new models developed to comply with NUREG-0737, Item II.K.3.30 demonstrate that the previous models are conservative. This demonstration of being conservative can be performed on a generic basis.

The Westinghouse Owners Group has authorized a program that will demonstrate the conservatism of the present WFLASH SBLOCA analyses. This program will demonstrate, on a generic basis, that the new SBLOCA model, NOTRUMP, developed to respond to NUREG-0737, Section II.K.3.30 predicts lower calculated peak clad temperatures than WFLASH. Compliance with NUREG-0737, Section II.K.3.31 is required within one year of receiving the Safety Evaluation Report (SER) on the new small break model developed for NUREG-0737, Section II.K.3.30. This SER is expected in February 1984, thus the generic studies will be completed within one year after receipt of the SER.

If you have any questions, please advise.

Yours very truly,

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PDR ADOCK 05000348  
P PDR

*for* F. L. Clayton, Jr. *AO46 1/0*

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cc: See Page 2

Mr. S. A. Varga  
U. S. Nuclear Regulatory Committee

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cc: Mr. R. A. Thomas  
Mr. G. F. Trowbridge  
Mr. J. P. O'Reilly  
Mr. E. A. Reeves  
Mr. W. H. Bradford