

Mailing Address
Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291
Telephone 205 783-6090

R. P. McDonald
Senior Vice President
Flintridge Building



February 7, 1986

Docket Nos. 50-348
50-364

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

Attention: Mr. L. S. Rubenstein

Joseph M. Farley Nuclear Plant - Units 1 and 2
Reactor Coolant Loop Operability Technical Specification Change

Gentlemen:

Westinghouse Electric Corporation has informed Alabama Power Company of a potential problem concerning the consistency between the FSAR safety analyses and the Technical Specifications of Westinghouse-designed NSSS plants. The inconsistency involves the number of reactor coolant loops operating while in Mode 3. As a result of an evaluation conducted by Alabama Power Company, it has been determined that the potential inconsistency identified by Westinghouse is applicable to Farley Nuclear Plant (FNP) Units 1 and 2.

The Technical Specifications for FNP Units 1 and 2 currently require only a single reactor coolant loop to be operating while the plant is in Mode 3. This requirement ensures adequate capability for decay heat removal. In addition, a second reactor coolant loop is required to be operable for single failure considerations. However, the FNP FSAR safety analyses assumed that the Mode 2 analysis for the rod bank withdrawal accident enveloped the Mode 3 conditions. The FNP FSAR safety analyses and Technical Specifications are based on all three reactor coolant loops operating in Mode 2 for this accident. As a result, since all three reactor coolant loops are required to be operating in Mode 2, all three loops must be operating in Mode 3 to satisfy the analysis for the rod bank withdrawal accident or the rod control system must be disabled to ensure that this accident cannot occur.

In order to preclude the possibility of a Mode 3 rod bank withdrawal accident with less than three reactor coolant loops operating, Alabama Power Company has implemented FNP procedures which require the operator to disable the rod control system for rod withdrawal when less than three reactor

8602180303 860207
PDR ADOCK 05000348
P PDR

Rec'd w/CHOCK 8/50.00

#50362

ADD
11

coolant loops are operating in Mode 3. The disabling of the rod control system may be accomplished by opening the reactor trip breakers or shutting down the rod drive motor/generator sets. These procedural requirements ensure that the plant is operated in a manner that is bounded by the FNP FSAR safety analyses.

It is therefore proposed that the Technical Specification Mode 3 reactor coolant loop operability requirements be modified to reflect the conservative plant procedural requirements which are already in place. The proposed Technical Specification changes are shown in Attachment 1. It is requested that the NRC approve this Technical Specification change by August 27, 1986.

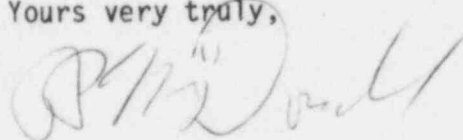
Alabama Power Company has determined that the proposed change does not involve a significant hazards consideration. The required analysis, pursuant to 10CFR50.92, is provided as Attachment 2.

Alabama Power Company's Plant Operations Review Committee has reviewed this proposed change and the Nuclear Operations Review Board will review this proposed change at a future meeting.

As required by 10CFR170.21, the License Amendment Application Fee of \$150.00 is enclosed. In accordance with 10CFR50.90, three signed originals and forty additional copies of this proposed change are enclosed. A copy of this proposed change has also been sent to Mr. Dan Turner, the Alabama State Designee, in accordance with 10CFR50.90(b)(1).

If you have any questions, please advise.

Yours very truly,



R. P. McDonald

RPM/JLO:ddb-D43
Attachments

cc: Mr. L. B. Long
Dr. J. N. Grace
Mr. E. A. Reeves
Mr. W. H. Bradford
Mr. Dan Turner

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 7th DAY OF February 1986

James A. Rippe
Notary Public

My Commission Expires: 9-11-88

Attachment 1

Proposed Changed Pages

Unit 1

Revision

Page 3/4 4-2

Replace

Page B 3/4 4-1

Replace

Unit 2

Revision

Page 3/4 4-2

Replace

Page B 3/4 4-1

Replace