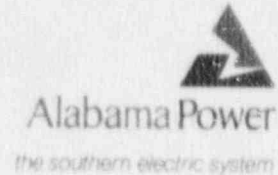


Alabama Power Company
40 Inverness Center Parkway
Post Office Box 126
Birmingham, Alabama 35201
Telephone 205 988-8581

W. G. Hairston, III
Senior Vice President
Nuclear Operations

February 15, 1991



Docket No. 50-348

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

Gentlemen:

Joseph M. Farley Nuclear Plant - Unit 1
RTD Bypass Elimination and Steam Generator Tube Plugging Amendment

By letter dated October 26, 1990, Alabama Power Company submitted a technical specification amendment to support implementation of the RTD Bypass Elimination modification and an increased steam generator tube plugging limit for Farley Nuclear Plant Unit 1. To account for a seismic allowance term which had been inadvertently omitted from the overtemperature ΔT setpoint uncertainty calculation, Alabama Power Company letter dated January 31, 1991 provided a changed technical specification page (2-10) to replace the original proposed change.

In a telephone conference call between Alabama Power Company, Westinghouse and the NRC on February 7, 1991, the NRC requested that the proposed DNB limit for Reactor Coolant System (RCS) total flow rate be changed to account for feedwater system flow venturi fouling. The flow venturis are used to develop feedwater flow data for the secondary calorimetric which is used in the eighteen month RCS total flow measurement surveillance. WCAP 12613, Revision 2, (proprietary) and WCAP 12614, Revision 2, (non-proprietary) provided the basis for the Farley specific RCS total flow rate uncertainty including flow calorimetric instrumentation uncertainties and sensitivities. The uncertainty calculations did not account for a venturi fouling uncertainty factor because the Farley feedwater flow venturis are inspected (and cleaned if necessary) every refueling outage. However, as a conservative measure Alabama Power Company will include an additional 0.1% RCS flow uncertainty bias as recommended by the NRC to account for the uncertainty associated with the potential for feedwater flow venturi fouling. As such, the DNB limit for RCS total flow rate on technical specification page 3/4 2-15 must be changed. The changed replacement page is attached. The change includes a total 2.3% flow uncertainty (versus the original proposed 2.2%) and annotates that 0.1% uncertainty bias is included to account for feedwater flow venturi fouling.

9102210214 910215
PDR ADOCK 05000348
P PDR

A001
41

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk

It should be noted that Alabama Power Company plans to pursue the issue of feedwater flow venturi fouling uncertainty as it applies to RCS flow measurement at Farley Nuclear Plant. Assuming that an adequate technical basis can be developed, Alabama Power Company may request that the venturi fouling uncertainty bias be removed in the future.

Alabama Power Company has reviewed the significant hazards evaluation provided with the license amendment submitted on October 26, 1990. The conclusions of the significant hazards evaluation remain valid and no changes are considered necessary. With the submittal of this changed page the NRC is therefore requested to approve the Unit 1 RTD Bypass Elimination and 15% tube plugging amendment as soon as possible to support implementation of the modification in the upcoming outage which is scheduled to start March 8, 1991.

Alabama Power Company's Plant Operations Review Committee has reviewed the proposed change and the Nuclear Operation Review Board will review the change at a future meeting. A copy of this proposed change is being sent to Dr. C. E. Fox, the Alabama State Designee, in accordance with 10 CFR 50.91 (b)(1).

If there are any questions, please advise.

Respectfully submitted,

ALABAMA POWER COMPANY

J. G. Woodard
for W. G. Hairston, III

WGH/MGE:sfj33.19
Attachment

cc: Mr. S. D. Ebnetter
Mr. S. T. Hoffman
Mr. G. F. Maxwell
Dr. C. E. Fox

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 15th DAY OF February, 1991

John G. Burnett
Notary Public

My Commission Expires: 9/14/94