



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

December 13, 1990

Docekt Nos. 50-348
and 50-364

Mr. W. G. Hairston, III
Senior Vice President
Alabama Power Company
40 Inverness Center Parkway
Birmingham, Alabama 35201

Dear Mr. Hairston:

SUBJECT: SAFETY EVALUATION FOR STEAM GENERATOR 2C UPPER TRANSITION
CONE-TO-SHELL GIRTH WELD INDICATION - JOSEPH M. FARLEY
NUCLEAR PLANT, UNIT 2 (TAC NO. 79111)

By letter dated November 20, 1990, you submitted the results of an ultrasonic examination and fracture mechanics analysis of a flaw in the 2C steam generator upper transition cone-to-shell weld at Joseph M. Farley Nuclear Plant (Farley), Unit 2. Based on the results of your fracture mechanics analysis, you requested that we approve the acceptable disposition of this indication.

We have reviewed your submittal and, as discussed in the enclosed Safety Evaluation, conclude that the steam generator is acceptable for service without excavation and weld repair of the flaw. This acceptance is based on completion of the following commitments obtained in a telephone call with your staff on December 5, 1990:

- A. The flaw will be re-examined in accordance with subparagraph IWC-2420(b) and (c) of the American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section XI, 1986 Edition.
- B. Prior to the next hydrotest (scheduled for the next refueling outage), the temperature for performance of future hydrotests of the secondary side of the steam generator will be submitted for our review.

The above commitments are discussed in more detail in the enclosed Safety Evaluation. If your understanding of the above commitments differs from ours, please notify us in writing within 30 days of receipt of this letter explaining your position and its justification.

9012260227 901213
PDR ADOCK 05000348
E PDR

180010

JFO 1
111

Mr. W. G. Hairston, III

-2-

This letter completes our actions in response to your November 20, 1990, submittal and TAC No. 79111 is closed.

Sincerely,

Original Signed By:

Stephen T. Hoffman, Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

DISTRIBUTION

Docket File		NRC PDR	
Local PDR		S. Varga	
G. Lainas		L. Peyes	RII
E. Adensam		P. Anderson	
S. Hoffman		OGC (For inform. Only)	15-B-18
E. Jordan	MNBB-3302	CCheng	7-D-4
ACRS (10)	P-315	Farley File	
B. Elliot	7-D-4		

OFC	: LA: PDII-1	: PM: PDII-1	: D: PDII-1	:
NAME	: PAnderson	: SHoffman sw	: EAdensam	:
DATE	: 12/14/90	: 12/14/90	: 12/14/90	:

Mr. W. G. Hairston III
Alabama Power Company

Joseph M. Farley Nuclear Plant

cc:

Mr. R. P. McDonald
Executive Vice President
Nuclear Operations
Alabama Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Resident Inspector
U.S. Nuclear Regulatory Commission
P. O. Box 24 - Route 2
Columbia, Alabama 36319

Mr. B. L. Moore
Manager, Licensing
Alabama Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 2900
Atlanta, Georgia 30323

Mr. Louis B. Long, General Manager
Southern Company Services, Inc.
Houston County Commission
P. O. Box 2625
Birmingham, Alabama 35202

Chairman
Houston County Commission
Dothan, Alabama 36301

Mr. D. N. Morey
General Manager - Farley Nuclear Plant
P. O. Box 470
Ashford, Alabama 36312

Claude Earl Fox, M.D.
State Health Officer
State Department of Public Health
State Office Building
Montgomery, Alabama 36130

Mr. J. D. Woodward
Vice-President - Nuclear
Farley Project
Alabama Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Mr. James H. Miller, III, Esq.
Balch and Bingham
P. O. Box 306
1710 Sixth Avenue North
Birmingham, Alabama 35201