

Alabama Power Company
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F. L. CLAYTON, JR.
Senior Vice President



Alabama Power

the southern electric system

March 7, 1980

Docket Nos. 50-348
50-364

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555
Attention: Mr. John F. Stolz

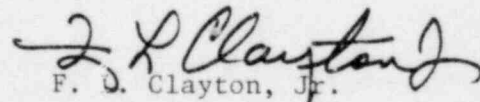
Dear Mr. Stolz:

Alabama Power Company hereby files Amendment 72 to the FSAR for J. M. Farley Nuclear Plant-Unit No. 1 and to the Application for a license for the J. M. Farley Nuclear Plant-Unit No. 2. This Amendment consists of the revisions tabulated in Attachment 1 of this letter.

Revisions applicable to Farley-Unit No. 1 as necessary have been reviewed by the Plant Operations Review Committee and found not to constitute an unreviewed safety question.

In accordance with the requirements of 10 CFR Section 50.30(c)(1)(i) for Unit 2, we enclose three (3) signed copies and sixty (60) conformed copies of the Amendment. Also enclosed is a certificate of service of a copy of the Amendment upon the Chairman of the Houston County Commission.

Yours very truly,


F. L. Clayton, Jr.

FLCJr/TNE:bjh

Enclosures

cc: Mr. G. F. Trowbridge
Mr. R. A. Thomas

8003100187

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

Unit No. 1 - Docket No. 50-348
Unit No. 2 - Docket No. 50-364

In the Matter of
Alabama Power Company

AMENDMENT NO. 72

TO

THE FINAL SAFETY ANALYSIS REPORT FOR J. M. FARLEY NUCLEAR
PLANT-UNIT NO. 1 AND TO THE APPLICATION FOR LICENSE FOR
THE J. M. FARLEY NUCLEAR PLANT-UNIT NO. 2
UNDER THE ATOMIC ENERGY ACT OF 1954

Alabama Power Company hereby files Amendment No. 72 to its Final Safety Analysis Report for Farley Unit 1 and to its Application for License for Farley Unit 2 dated October 10, 1969.

This Amendment consists of revised pages for the Final Safety Analysis Report. Instructions for inserting this material are included.

ALABAMA POWER COMPANY

By *F. L. Clayton, Jr.*
F. L. Clayton, Jr.
Senior Vice President

Sworn to and subscribed before me this 7th day of March, 1980.

R. B. Roberts, Jr.
Notary Public, Alabama State
at Large

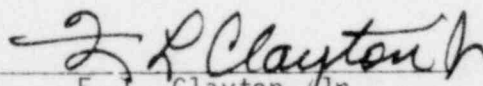
My Commission Expires:
5-22-82

CERTIFICATE OF SERVICE

I certify that a copy of Amendment No. 72 to the Alabama Power Company's Final Safety Analysis Report for its Joseph M. Farley Nuclear Plant-Unit No. 1 and Application for License for the Joseph M. Farley Nuclear Plant-Unit No. 2 under the Atomic Energy Act of 1954 have been forwarded to the designated individual properly addressed on this 7th day of March, 1980.

Honorable Nathan Mathis, Chairman
Houston County Commission
P.O. Box 1672
Dothan, Alabama 36301

ALABAMA POWER COMPANY


F. L. Clayton, Jr.
Senior Vice President

AMENDMENT 72

Tabulation of Revisions

<u>FSAR Section</u>	<u>Reason for Revision</u>
1.1	Revised Unit 2 Completion of Construction and Commercial Operation dates.
1.2	Incorporated deletion of part length control rods.
4.1	This change was approved by the NRC on Farley Unit 1 by letter dated March 2, 1979 to Alabama Power Company.
4.2	
4.3	
4.3	Updated information regarding fuel storage design. This change was approved by the NRC on Farley Unit 1 by letter dated February 13, 1979 to Alabama Power Company.
5.2	Incorporated description of the reactor coolant system
5.5	low temperature overpressurization system. This design was approved by the NRC by letter dated July 31, 1979 to Alabama Power Company.
6.2	Incorporated description of the containment mini-purge system.
6.3	Incorporated additional information requested by the
App. 6C	NRC concerning the Unit 2 containment sump test program.
7.1	Incorporated safety injection actuation logic of two-
7.2	out-of-three low pressurizer pressure channels. This
7.3	change was approved by the NRC on Farley Unit 1 by letter dated June 11, 1979 to Alabama Power Company.
7.2	Incorporated changes associated with reactor trip on turbine trip above 50% power. This change was approved by the NRC on Farley Unit 1 by letter dated March 2, 1979 to Alabama Power Company.
7.6	Incorporated changes associated with the reactor coolant system low temperature overpressurization protection system.
7.7	Incorporated changes associated with the deletion of the part length control rods and with reactor trip on turbine trip above 50% power.
8.3	Incorporated changes associated with the power supply to the turbine-driven auxiliary feedwater pump controls described in Alabama Power Company letter dated December 20, 1978 to the NRC.

AMENDMENT 72
Tabulation of Revisions
Page 2

<u>FSAR Section</u>	<u>Reason for Revision</u>
9.1	Update Figure 9.1-1.
10.3	Update Figure 10.3-5.
10.4	Incorporated changes associated with the addition of feedwater bypass valves.
11.5	Updated information in Table 11.5-1.
14.1 14.2	Updated information pertaining to startup test program.
15.1 15.4	Incorporated revised ECCS analysis which utilized the February, 1978 version of the Westinghouse ECCS Evaluation Model. This analysis was approved by the NRC on Farley Unit 1 by letter dated May 9, 1979 to Alabama Power Company.
15.2	Incorporated changes associated with the deletion of the part length control rods and with reactor trip on turbine trip above 50% power.
15.2 15.3 15.4	Incorporated safety injection logic of two-out-of-three low pressurizer pressure channels.
17.0	Updated information pertaining to the Quality Assurance Program.
EICBS-4 EICBS-4A	Incorporated changes associated with the reactor coolant system low temperature overprotection system.