

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. 73

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. 73 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.
Senior Vice President

Sworn to and subscribed before me this

8 day of JUNE, 1980.

R. B. DeLent
Notary Public, Alabama State
at Large

My Commission Expires:

5/22/82

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CERTIFICATE OF SERVICE

I certify that a copy of Amendment No. 73 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 8 day of July, 1984.

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 73

Tabulation of Revisions

<u>FSAR Section</u>	<u>Reason for Revision</u>
1.1	Revised Unit 2 Completion of Construction and Commercial Operation dates.
3.2	Revised Table 3.2-1 to reclassify portions of the liquid and gaseous waste processing systems in accordance with NUREG-0491 and Regulatory Guide 1.143, Revision 1 with the exception of the seismic design criteria given in regulatory position C.5. The components, systems, and structures are designed to the seismic design criteria given in FSAR Section 3.7.
3.11	Incorporated clarification regarding the use of Lot 1 and Lot 2 Barton transmitters.
App.3A	Revised commitment regarding surveillance requirements for the steam generators to Regulatory Guide 1.83, Revision 1 and NUREG-0452, Revision 2.
App.3K	Incorporated final results of Unit 2 design and analysis.
4.2	Incorporated the May 12, 1980 response of Alabama Power Company to the NRC letter of April 1, 1980 concerning fuel design criteria. Updated information concerning the burnable poison loading pattern.
4.3	
4.4	Incorporated editorial changes.
5.2	Updated information concerning the preservice inspection program in accordance with discussions held with the NRC.
6.2	Updated information concerning the post-accident containment vent system. Updated Table 6.2-19.
6.5	Incorporated deletion of minimum flow recirculation valves.
7.2	
8.3	Incorporated changes associated with the design modifications to the diesel generators described in Alabama Power Company letter dated November 17, 1978 to the NRC.
9.2	Incorporated changes associated with the design modifications to the river and service water systems described in Alabama Power Company letter dated November 17, 1978 to the NRC.

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<u>FSAR Section</u>	<u>Reason for Revision</u>
9.3	Updated Figures 9.3-4 and 9.3-6 to incorporate changes associated with reclassification of the waste processing system.
9.4	Incorporated information to clarify differences between Unit 1 and Unit 2 air conditioning systems.
9.5	Updated section regarding emergency lighting system.
10.3	Revised design parameters associated with the main steam atmospheric relief valves.
11.2 11.3	Updated instrumentation information associated with the waste processing system. Updated Figures and Tables to incorporate changes associated with reclassification of the waste processing system.
11.5	Updated section in accordance with Alabama Power Company letter dated June 23, 1980 to the NRC regarding expected volumes of solid radioactive wastes.
12.3 13.1	Updated sections in response to NRC letter dated May 19, 1980 concerning Radiological Assessment Branch questions.
13.1	Updated section to include organizational and personnel changes.
14.1	Incorporated reference to the Modified Startup Physics Test Program for Unit 2 described in Alabama Power Company letter dated July 7, 1980 to the NRC. Updated section regarding test procedure review.
17.1 17.2 App. 17A	Updated information pertaining to the Quality Assurance Program.