

Docket Nos. 50-348
and 50-364

DISTRIBUTION

Mr. F. L. Clayton
Senior Vice President
Alabama Power Company
P. O. Box 2641
Birmingham, Alabama 35291

Docket File
ORB#1 RDG
CMiles
TBarnhart
WJones
EReeves(2)
HDenton

NRC PDR
DEisenhut
LHarmon
EJordan
DBrinkman
CParrish
MGrotenhuis

L PDR
OELD
ACRS (10)
JTaylor
RDiggs
Gray Files (4)

JAN 9 1984

Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. 40 to Facility Operating License No. NPR-2 and Amendment No. 30 to NPF-8 for the Joseph M. Farley Nuclear Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application dated April 6, 1983.

The amendments change to the Technical Specifications to correct an administrative error by deleting applicability of a footnote for Item 1.e. in Table 3.3-3. The change was made at the Commission's request to correct the error found during the NRC staff review of Multi-Plant Action Item B-32, Blocked Safety Injection Signal During Cooldown.

A copy of our Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY

Edward A. Reeves, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No. 40 to NPF-2
2. Amendment No. 30 to NPF-8
3. Safety Evaluation

cc: w/enclosures:
See next page

8401190261 840109
PDR ADOCK 05000348
P PDR

See previous correspondence
ECSCB for FROSA 1-4-84

ORB#1:DL
CParrish
12/15/83

ORB#1:DL
EReeves;ps
12/15/83

C-ORB#1:DL
SVarga
12/19/83

OELD
12/23/83

AD:OR:DL
GLamas
12/14/83

AD:RS:DSI
R. HOUSTON
1/9/84

Docket Nos. 50-348
and 50-364

Mr. F. L. Clayton
Senior Vice President
Alabama Power Company
P. O. Box 2641
Birmingham, Alabama 35291

DISTRIBUTION

Docket File
ORB#1 RDG
CMiles
TBarnhart (4)
WJones
EReeves(2)
HDenton

NRC PDR
DEisenhut
LHarmon
EJordan
DBrinkman
CParrish
MGrotenhuis

L PDR
OELD
ACRS (10)
JTaylor
RDiggs
Gray Files (4)

Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. to Facility Operating License No. NPR-2 and Amendment No. to NPF-8 for the Joseph M. Farley Nuclear Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application dated April 6, 1983.

The amendments change to the Technical Specifications to correct an administrative error by deleting applicability of a footnote for Item 1.e. in Table 3.3-3. The change was made at the Commission's request to correct the error found during the NRC staff review of Multi-Plant Action Item B-32, Blocked Safety Injection Signal During Cooldown.

A copy of our Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

Edward A. Reeves, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No. to NPF-2
2. Amendment No. to NPF-8
3. Safety Evaluation

cc: w/enclosures:
See next page

ORB#1:DL ORB#1:DL C-ORB#1:DL OELD AD:OR:DL
CParrish EReeves;ps Starga GLainas
12/15/83 12/15/83 12/19/83 12/ /83 12/ /83

12/23/83



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

January 9, 1984

Docket Nos. 50-348
and 50-364

Mr. F. L. Clayton
Senior Vice President
Alabama Power Company
P. O. Box 2641
Birmingham, Alabama 35291

Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. 40 to Facility Operating License No. NPR-2 and Amendment No. 30 to NPF-8 for the Joseph M. Farley Nuclear Plant, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications in response to your application dated April 6, 1983.

The amendments change to the Technical Specifications to correct an administrative error by deleting applicability of a footnote for Item 1.e. in Table 3.3-3. The change was made at the Commission's request to correct the error found during the NRC staff review of Multi-Plant Action Item B-32, Blocked Safety Injection Signal During Cooldown.

A copy of our Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

A handwritten signature in cursive script that reads "Edward A. Reeves".

Edward A. Reeves, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No. 40 to NPF-2
2. Amendment No. 30 to NPF-8
3. Safety Evaluation

cc: w/enclosures:
See next page

Mr. F. L. Clayton
Alabama Power Company

Joseph M. Farley Nuclear Plant
Units 1 and 2

cc: Mr. W. O. Whitt
Executive Vice President
Alabama Power Company
Post Office Box 2641
Birmingham, Alabama 35291

D. Biard MacGuineas, Esquire
Volpe, Boskey and Lyons
918 16th Street, N.W.
Washington, DC 20006

Ruble A. Thomas, Vice President
Southern Company Services, Inc.
Post Office Box 2625
Birmingham, Alabama 35202

Charles R. Lowman
Alabama Electric Corporation
Post Office Box 550
Andalusia, Alabama 36420

George F. Trowbridge, Esquire
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, DC 20036

Mr. R. P. McDonald
Vice President - Nuclear Generation
Alabama Power Company
Post Office Box 2641
Birmingham, Alabama 35291

Chairman
Houston County Commission
Dothan, Alabama 36301

James P. O'Reilly
Regional Administrator - Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, GA 30303

Robert A. Buettner, Esquire
Balch, Bingham, Baker, Hawthorne,
Williams and Ward
Post Office Box 306
Birmingham, Alabama 35201

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

State Department of Public Health
ATTN: State Health Officer
State Office Building
Montgomery, Alabama 36104

Regional Radiation Representative
EPA Region IV
345 Courtland Street, N.E.
Atlanta, GA 30308



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

ALABAMA POWER COMPANY

DOCKET NO. 50-348

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 40
License No. NPF-2

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Alabama Power Company (the licensee) dated April 6, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-2 is hereby amended to read as follows:

8401190268 840109
PDR ADOCK 05000348
P PDR

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.40, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 9, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 40

AMENDMENT NO. 40 FACILITY OPERATING LICENSE NO. NPF-2

DOCKET NO. 50-348

Revised Appendix A as follows:

Remove
3/4 3-16

Insert
3/4 3-16

TABLE 3.3-3

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION

<u>FUNCTIONAL UNIT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>CHANNELS TO TRIP</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ACTION</u>
1. SAFETY INJECTION, TURBINE TRIP AND FEEDWATER ISOLATION					
a. Manual Initiation	2	1	2	1, 2, 3, 4	18
b. Automatic Actuation Logic	2	1	2	1, 2, 3, 4	13
c. Containment Pressure-High	3	2	2	1, 2, 3	14*
d. Pressurizer Pressure - Low	3	2	2	1, 2, 3#	14*
e. Differential Pressure Between Steam Lines - High				1, 2, 3	
Three Loops Operating	3/steam line	2/steam line twice and 1/3 steam lines	2/steam line		14*
Two Loops Operating	3/operating steam line	2###/steam line twice in either operating steam line	2/operating steam line		15

FARLEY-UNIT 1

3/4 3-16

AMENDMENT NO. 40



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

ALABAMA POWER COMPANY

DOCKET NO. 50-364

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 30
License No. NPF-8

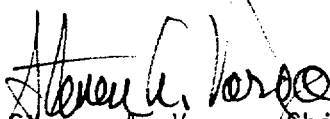
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Alabama Power Company (the licensee) dated April 6, 1983, complies with the standard and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-8 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 30, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 9, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 30

AMENDMENT NO. 30 FACILITY OPERATING LICENSE NO. NPF-8

DOCKET NO. 50-364

Revised Appendix A as follows:

Remove
3/4 3-16

Insert
3/4 3-16

TABLE 3.3-3

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION

<u>FUNCTIONAL UNIT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>CHANNELS TO TRIP</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ACTION</u>
1. SAFETY INJECTION, TURBINE TRIP AND FEEDWATER ISOLATION					
a. Manual Initiation	2	1	2	1, 2, 3, 4	18
b. Automatic Actuation Logic	2	1	2	1, 2, 3, 4	13
c. Containment Pressure-High	3	2	2	1, 2, 3	14*
d. Pressurizer Pressure - Low	3	2	2	1, 2, 3#	14*
e. Differential Pressure Between Steam Lines - High				1, 2, 3	
Three Loops Operating	3/steam line	2/steam line twice and 1/3 steam lines	2/steam line		14*
Two Loops Operating	3/operating steam line	2###/steam line twice in either operating steam line	2/operating steam line		15



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 40 TO FACILITY OPERATING LICENSE NO. NPF-2
AND AMENDMENT NO. 30 TO FACILITY OPERATING LICENSE NO. NPF-8
ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-348 AND 50-364

INTRODUCTION

By letter dated April 6, 1983, Alabama Power Company (licensee) proposed changes to the Technical Specifications to correct an administrative error by deleting applicability of a footnote for Item 1.e. in Table 3.3-3. The change was made at the Commission's request to correct the error found during the NRC staff review of Multi-Plant Action Item B-32, Blocked Safety Injection Signal During Cooldown.

DISCUSSION AND EVALUATION

Technical Specifications set forth the operability requirements for engineered safety feature actuation (ESF) channels and indicate the conditions under which a channel may be bypassed. As part of the NRC staff review of Multi-Plant Action Item B-32, the staff identified a discrepancy between the bypass provisions stated in Technical Specification Table 3.3-3, Item 1.e., and the logic diagrams shown in Chapter 7 of the updated Final Safety Analysis Report (FSAR). Item 1.e., Differential Pressure Between Steam Lines-High in Table 3.3-3 indicates that this channel may be bypassed in Mode 3 below P-12. This footnote is clearly in error as the logic circuitry is designed not to allow the bypass which the footnote indicates is available in Mode 3. The correct circuitry design is shown in logic diagrams in Chapter 7 of the updated FSAR. Alabama Power Company proposed to delete the subject footnote in Technical Specification Table 3.3-3. We have reviewed the proposed change and find that it correctly reflects the design of the ESF logic circuitry.

SAFETY SUMMARY

Based on the above evaluation, the proposed deletion of the footnote to Technical Specification Table 3.3-3, Item 1.e. is consistent with the Farley ESF logic circuitry design and is therefore acceptable.

ENVIRONMENTAL CONSIDERATION

We have determined that these amendments do not authorize changes in effluent types or total amounts, nor increases in power levels, and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve actions which are insignificant

from the standpoint of environmental impact and, pursuant to 10 CFR 51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

CONCLUSION

We have concluded, based on the consideration discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: January 9, 1984

Principal Contributor:
T. Dunning