

Docket Nos. 50-348  
and 50-364

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R. Ballard

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F. Watts  
R. Diggs  
Gray File

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

Dear Mr. Clayton:

February 9, 1984

The Commission has issued the enclosed Amendment No.42 to Facility Operating License No. NPF-2 and Amendment No.33 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 transmitted by letter dated August 26, 1983.

The amendments correct two tables listing fire hose stations and sprinklers for Unit No. 2 and delete "during shutdown" from surveillance tests for both units for the diesel fire pump to allow testing at a convenient time without a plant shutdown.

A copy of the related Safety Evaluation is enclosed. A 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.42 to NPF-2
2. Amendment No.33 to NPF-8
3. Safety Evaluation

cc: w/enclosures  
See next page

\*See other white for concurrence  
 ORB#1:DL\*    ORB#1:DL\*    ORB#1:DL\*  
 CParrish    EReeves;ps    SV  
 1/26/84    2/6/84    1/30/84

OELD \*    AD:DR:DL  
 GLamas  
 1/1/84    1/1/84

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 PDR

Docket Nos. 50-348  
and 50-364

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

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The amendments correct two tables listing fire hose stations and sprinklers for Unit No. 2 and delete "during shutdown" from surveillance tests for both units for the diesel fire pump to allow testing at a convenient time without a plant shutdown.

A copy of the Safety Evaluation is enclosed. A Notice of Issuance [and Opportunity for Hearing] will be included in the Commission's next regular monthly Federal Register notice.

*The words in brackets should be deleted.*

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

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See next page

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 ORB#1:DL\*    ORB#1:DL    ORB#1:DL  
 CParrish    EReeves,ps    SWanga  
 1/26/84    1/30/84    1/28/84

*subject to modifying the last sentence*  
 OELD    AD:OR:DL  
 2/1/84    1/ /84

Docket Nos. 50-348  
and 50-364

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

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Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. to Facility Operating License No. NPF-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 transmitted by letter dated August 26, 1983.

The amendments correct two tables listing fire hose stations and sprinklers for Unit No. 2 and delete "during shutdown" from surveillance tests for both units for the diesel fire pump to allow testing at a convenient time within a plant shutdown.

A copy of the Safety Evaluation is enclosed. A Notice of Issuance and Opportunity for Hearing 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

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

February 9, 1984

Docket Nos. 50-348  
and 50-364

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

Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. 42 to Facility Operating License No. NPF-2 and Amendment No.33 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 transmitted by letter dated August 26, 1983.

The amendments correct two tables listing fire hose stations and sprinklers for Unit No. 2 and delete "during shutdown" from surveillance tests for both units for the diesel fire pump to allow testing at a convenient time without a plant shutdown.

A copy of the related Safety Evaluation is enclosed. A 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.42 to NPF-2
2. Amendment No.33 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

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Executive Vice President  
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Chairman  
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Williams and Ward  
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Resident Inspector  
U.S. Nuclear Regulatory Commission  
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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.42  
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 August 26, 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:

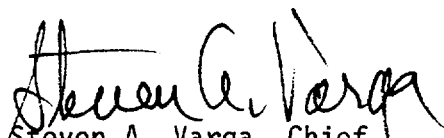
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P PDR

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 42 , 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: February 9, 1984

ATTACHMENT TO LICENSE AMENDMENT NO.  
AMENDMENT NO. 42 FACILITY OPERATING LICENSE NO. NPF-2  
DOCKET NO. 50-348

Revised Appendix A as follows:

Remove Page  
3/4 7-84

Insert Page  
3/4 7-84



## PLANT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank, obtained in accordance with ASTM-D270-65, is within the acceptable limits specified in Table 1 of ASTM D975-74 when checked for viscosity, water and sediment.
- c. At least once per 18 months by subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for the class of service.

4.7.11.1.3 The fire pump diesel starting 24-volt battery bank and charger shall be demonstrated OPERABLE:

- a. At least once per 7 days by verifying that:
  - 1. The electrolyte level of each battery is above the plates, and
  - 2. The overall battery voltage is greater than or equal to 24 volts.
- b. At least once per 92 days by verifying that the specific gravity is appropriate for continued service of the battery.
- c. At least once per 18 months by verifying that:
  - 1. The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and
  - 2. The battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material.



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.33  
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 August 26, 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:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.33 , 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: February 9, 1984

ATTACHMENT TO LICENSE AMENDMENT NO.  
AMENDMENT NO. 33 FACILITY OPERATING LICENSE NO. NPF-8  
DOCKET NO. 50-364

Revised Appendix A as follows:

Remove Pages

3/4 7-54

3/4 7-57

3/4 7-61

Insert Pages

3/4 7-54

3/4 7-57

3/4 7-61

PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

---

- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank, obtained in accordance with ASTM-D270-65, is within the acceptable limits specified in Table 1 of ASTM D975-74 when checked for viscosity, water and sediment.
- c. At least once per 18 months by subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for the class of service.

4.7.11.1.3 The fire pump diesel starting 24-volt battery bank and charger shall be demonstrated OPERABLE:

- a. At least once per 7 days by verifying that:
  - 1. The electrolyte level of each battery is above the plates, and
  - 2. The overall battery voltage is greater than or equal to 24 volts.
- b. At least once per 92 days by verifying that the specific gravity is appropriate for continued service of the battery.
- c. At least once per 18 months by verifying that:
  - 1. The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and
  - 2. The battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material.

TABLE 3.7-5

LIST OF SPRINKLER SYSTEMS

<u>Location (Room No.)</u>	<u>Description</u>	<u>Elevation</u>	<u>Sprinkler System</u>
2160	Hatch Area	100'-0"	2A-25
2161	South Corridor	100'-0"	2A-25
2172	Hallway	100'-0"	2A-101
2175	Hallway	100'-0"	2A-118
2185	CCW Heat Exchanger and Pump Room	100'-0"	2A-27
2190	MCC Panel Room	100'-0"	2A-62
2209	Hallway	121'-0"	2A-35
2210	South Corridor	121'-0"	2A-36
2223	Mechanical Penetration Room	121'-0"	2A-45
2227	West Cable Chase	128'-0"	2A-23
2244	Mezzanine	131'-0"	2A-36
2245	Mezzanine	131'-0"	2A-36
2300	West Cable Chase	139'-0"	2A-23
2312	Corridor	139'-0"	2A-48
2316	Corridor	139'-0"	2A-48
2318	Cable Spreading Room	139'-0"	2A-43
2319	West Corridor	139'-0"	2A-59
2452	Clean Storage Area	155'-0"	2A-52
2462	Non-Radioactive Vent Equipment Room	155'-0"	2A-51
2466	West Cable Chase	155'-0"	2A-23
2500	West Cable Chase	168'-2"	2A-23

TABLE 3.7-5

LIST OF FIRE HOSE STATIONS  
AUXILIARY BUILDING

<u>LOCATION (Room No.)</u>	<u>ELEVATION</u>	<u>HOSE CABINET NO.</u>
2103	83'-0"	N2V43-D-103
2110	83'-0"	N2V43-D-102
2161	100'-0"	N2V43-D-110
2163	100'-0"	N2V43-D-109
2184	100'-0"	N2V43-D-124
2185	100'-0"	N2V43-D-108
2186	100'-0"	N2V43-D-131
2189	100'-0"	N2V43-D-107
2208	121'-0"	N2V43-D-128
2209	121'-0"	N2V43-D-104
2210	121'-0"	N2V43-D-126
2223	121'-0"	N2V43-D-127
2234	121'-0"	N2V43-D-125
2237	121'-0"	N2V43-D-132
2312	139'-0"	N2V43-D-114
2316	139'-0"	N2V43-D-111
2319	139'-0"	N2V43-D-116
2319	139'-0"	N2V43-D-119
2332	139'-0"	N2V43-D-113
2334	139'-0"	N2V43-D-117
2345	139'-0"	N2V43-D-112
2404	155'-0"	N2V43-D-122
2408	155'-0"	N3V43-D-123
2446	155'-0"	N2V43-D-105
2452	155'-0"	N2V43-D-120
2452	155'-0"	N2V43-D-121
2462	155'-0"	N2V43-D-106
2502	175'-0"	N2V43-D-101
2505	184'-0"	N2V43-D-100
2602	139'-0"	N2V43-D-118

AUXILIARY BUILDING TO DIESEL GENERATOR BUILDING TUNNELS

TRAIN A TUNNEL  
HOSE CABINET NO.

N2Y43D001A  
N2Y43D001B  
N2Y43D001C  
N2Y43D001D  
N2Y43D001E  
N2Y43D001F  
N2Y43D001G  
N2Y43D001H  
N2Y43D001J  
N2Y43D001K  
N2Y43D001L  
N2Y43D001M  
N2Y43D001N

TRAIN B TUNNEL  
HOSE CABINET NO.

N2Y43D001P  
N2Y43D001Q  
N2Y43D001R  
N2Y43D001S  
N2Y43D001T  
N2Y43D001U  
N2Y43D001V  
N2Y43D001W  
N2Y43D001X  
N2Y43D001Y  
N2Y43D001Z  
N2Y43D002A  
N2Y43D002B



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 42 TO FACILITY OPERATING LICENSE NO. NPF-2  
AND AMENDMENT NO. 33 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 August 26, 1983, Alabama Power Company (APCo) identified three administrative errors in the Fire Protection System Technical Specifications for Unit 2. APCo also proposed an administrative change in the Technical Specifications (TS's) for both units to allow testing the Fire Protection System diesel fire pump without a plant shutdown as now required. APCo proposed the changes which they consider administrative in nature such that a significant hazards consideration is not involved, as defined in 10 CFR 50.92. Our evaluation follows.

Discussion and Evaluation

For Unit No. 2 an APCo review identified twenty-six hose stations in the auxiliary building to diesel generator buildings tunnel that should be added to Table 3.7-6 "List of Fire Hose Stations." APCo also proposed to correct an administrative error in Table 3.7-5 "List of Sprinkler Systems" for Unit 2 to change the number for a clean storage area from 2A-108 to 2A-52. We consider these corrections to the administrative in nature.

For Unit 1 and Unit 2 in TS 4.7.11.1.2c APCo proposed to delete the words "during shutdown" from the surveillance. The TS requires that every 18 months, during shutdown, the fire pump diesel be inspected per manufacture's recommendations. The inspection can be performed independent of the plant operating mode without affecting the validity of the inspection and without affecting plant operation. The change would allow more efficient scheduling and would not require a plant shutdown for the surveillance. It is not the intent of the NRC staff to require a plant shutdown for testing when tests can be accomplished safely otherwise. We consider the change proposed to be administrative in nature.

Safety Summary

The administrative changes discussed above are found to be acceptable. Technical Specifications are to be changed accordingly.

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Environmental Consideration

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is 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 considerations 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: February 9, 1984

Principal Contributors:

F. Watts  
E. Reeves