

July 8, 1988

Docket Nos. 50-348/364

DISTRIBUTION  
See attached sheet

Mr. W. G. Hairston, III  
Senior Vice President  
Alabama Power Company  
Post Office Box 2641  
Birmingham, Alabama 35291-0400

Dear Mr. Hairston:

SUBJECT: ISSUANCE OF AMENDMENT NO. 77 TO FACILITY OPERATING LICENSE NO. NPF-2 AND AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. NPF-8 - JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2, REGARDING REMOVAL OR ORGANIZATION CHARTS (TAC NOS. 68013 AND 68014)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 77 to Facility Operating License No. NPF-2 and Amendment No. 69 to NPF-8 for the Joseph M. Farley Nuclear Plant, Units 1 and 2. The amendments consist of changes to the Technical Specifications in response to your submittal dated April 28, 1988.

The amendments delete Figure 6.2-1 (Offsite Organization for Facility Management and Technical Support), Figure 6.2.2 (Facility Organization), and references thereto from the Technical Specifications. To replace the charts, the licensee proposes to add general requirements that capture essential aspects of the organizational structure that were defined by the organization charts. Equivalent information to that contained in the organization charts will be documented in the Updated Final Safety Analysis Report. This action conforms to our guidance of Generic Letter 88-06.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's regular bi-weekly Federal Register notice.

Sincerely,

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Edward A. Reeves, Sr. Project Manager  
Project Directorate II-1  
Division of Reactor Projects I/II

Enclosures:

1. Amendment No. 77 to NPF-2
2. Amendment No. 69 to NPF-8
3. Safety Evaluation

cc w/enclosures:  
See next page

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NAME	: PAnderson : EReeves: ch : EAdensam :	:	:	:
DATE	: 6/27/88 : 6/27/88 : 6/27/88 :	:	:	:

Mr. W. G. Hairston, III  
Alabama Power Company

Joseph M. Farley Nuclear Plant

cc:

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AMENDMENT NO. 77 TO FACILITY OPERATING LICENSE NO. NPF-2 - FARLEY, UNIT 1  
AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. NPF-8 - FARLEY, UNIT 2

Docket File

NRC PDR

Local PDR

PDII-1 Reading

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ACRS (10)

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ARM/LFMB

cc: Licensee/Applicant Service List

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11



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

ALABAMA POWER COMPANY

DOCKET NO. 50-348

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 77  
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 28, 1988, 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. 77, 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 and shall be implemented within 30 days of receipt of the amendment.

FOR THE NUCLEAR REGULATORY COMMISSION

151

Elinor G. Adensam, Director  
Project Directorate II-1  
Division of Reactor Projects I/II

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 8, 1988

OFC	:LA:PD21:DRPR:PM:PD21:DRPR:	OGC	:D:PD21:DRPR:	:	:
NAME	: PAnderson	: EReeves:ch	: WWoodhead	: EAdensam	:
DATE	: 6/21/88	: 6/27/88	: 6/29/88	: 7/6/88	:

ATTACHMENT TO LICENSE AMENDMENT NO. 77

TO FACILITY OPERATING LICENSE NO. NPF-2

DOCKET NO. 50-348

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages

6-1

6-1a

6-2

6-3

Insert Pages

6-1

deleted

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## ADMINISTRATIVE CONTROLS

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### 6.1 RESPONSIBILITY

6.1.1 The General Manager - Nuclear Plant shall be responsible for overall unit operation and shall delegate in writing the succession to this responsibility during his absence.

6.1.2 The Shift Supervisor or during his absence from the Control Room a designated individual shall be responsible for the Control Room command function. A management directive to this effect, signed by the Senior Vice President responsible for Nuclear Generation, hereafter referred to as Senior Vice President, shall be reissued on an annual basis.

### 6.2 ORGANIZATION

#### 6.2.1 OFFSITE AND ONSITE ORGANIZATIONS

Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting the safety of the nuclear power plant.

- a. Lines of authority, responsibility, and communication shall be established and defined for the highest management levels through intermediate levels to and including all operating organization positions. These relationships shall be documented and updated, as appropriate, in the form of organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or in equivalent forms of documentation. These requirements shall be documented in the FSAR.
- b. The General Manager-Nuclear Plant shall be responsible for overall unit safe operation and shall have control over those onsite activities necessary for safe operation and maintenance of the plant.
- c. The Senior Vice President shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety.
- d. The individuals who train the operating staff and those who carry out health physics and quality assurance functions may report to the appropriate onsite manager; however, they shall have sufficient organizational freedom to ensure their independence from operating pressures.

ADMINISTRATIVE CONTROLS

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6.2.2 FACILITY STAFF

- a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Reactor Operator shall be in the Control Room when fuel is in the reactor. In addition, at least one licensed Senior Reactor Operator shall be in the Control Room while the unit is in MODE 1, 2, 3 or 4.
- c. A Health Physics Technician\* shall be on site when fuel is in the reactor.
- d. All CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- e. A site Fire Brigade of at least 5 members shall be maintained onsite at all times.\* The Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- f. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions; e.g., Senior Reactor Operators, Reactor Operators, Health Physics Technicians, Auxiliary Operators, and key maintenance personnel. Adequate shift coverage shall be maintained without routine heavy use of overtime. The objective shall be to have operating personnel work a nominal 40-hour week while the plant is operating.

In the event that unforeseen problems require substantial amounts of overtime to be used, or during extended periods of shutdown for refueling, major maintenance or major plant modifications, on a temporary basis, the following guidelines shall be followed:

1. An individual will not be permitted to work more than 16 hours straight (not including shift turnover time).
2. There will be a break of at least 8 hours (which can include shift turnover time) between work periods.

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\* The Health Physics Technician and Fire Brigade composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of the Health Physics Technician and/or Fire Brigade members provided immediate action is taken to restore the Health Physics Technician and/or Fire Brigade to within the minimum requirements.



## ADMINISTRATIVE CONTROLS

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3. An individual will not work more than 16 hours in any 24-hour period, nor more than 24 hours in any 48-hour period, nor more than 72 hours in any 7-day period (all excluding shift turnover time).
  4. Except during extended shutdown periods, the use of overtime should be considered on an individual basis and not for the entire staff on a shift.
  5. Any deviation from the above guidelines for the minimum shift complement defined in Technical Specification Table 6.2-1 and health physics technicians shall be reviewed and approved by the General Manager - Nuclear Plant, his designee (Emergency Director) or higher authority. Any deviation from the above guidelines for key maintenance personnel shall be reviewed and approved by the Maintenance Manager or his designee (group supervisor).
- g. The Assistant General Manager - Plant Operations, Operations Manager and Shift Supervisors shall hold a senior reactor operator license. The Reactor Operators shall hold a reactor operator license.



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

ALABAMA POWER COMPANY

DOCKET NO. 50-364

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 69  
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 28, 1988, 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 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. 69, are hereby incorporated in the license. Alabama Power Company shall operate the facility in accordance with the Technical Specifications.

- 3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of receipt of the amendment.

FOR THE NUCLEAR REGULATORY COMMISSION

151

Elinor G. Adensam, Director  
Project Directorate II-1  
Division of Reactor Projects I/II

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 8, 1988

OFC	:LA:	PD21	DRPR:	PM:	PD21	DRPR:	OGC	:	D:	PD21	DRPR	:	:	:
NAME	:	PAnderson	:	EReeves:	ch	:	WWhithead	:	EAdensam	:	:	:	:	:
DATE	:	6/27/88	:	6/27/88	:	6/29/88	:	7/6/88	:	:	:	:	:	:

ATTACHMENT TO LICENSE AMENDMENT NO. 69

TO FACILITY OPERATING LICENSE NO. NPF-8

DOCKET NO. 50-364

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages

6-1

6-1a

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Insert Pages

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## ADMINISTRATIVE CONTROLS

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### 6.1 RESPONSIBILITY

6.1.1 The General Manager - Nuclear Plant shall be responsible for overall unit operation and shall delegate in writing the succession to this responsibility during his absence.

6.1.2 The Shift Supervisor or during his absence from the Control Room a designated individual shall be responsible for the Control Room command function. A management directive to this effect, signed by the Senior Vice President responsible for Nuclear Generation, hereafter referred to as Senior Vice President, shall be reissued on an annual basis.

### 6.2 ORGANIZATION

#### 6.2.1 OFFSITE AND ONSITE ORGANIZATIONS

Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting the safety of the nuclear power plant.

- a. Lines of authority, responsibility, and communication shall be established and defined for the highest management levels through intermediate levels to and including all operating organization positions. These relationships shall be documented and updated, as appropriate, in the form of organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or in equivalent forms of documentation. These requirements shall be documented in the FSAR.
- b. The General Manager-Nuclear Plant shall be responsible for overall unit safe operation and shall have control over those onsite activities necessary for safe operation and maintenance of the plant.
- c. The Senior Vice President shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety.
- d. The individuals who train the operating staff and those who carry out health physics and quality assurance functions may report to the appropriate onsite manager; however, they shall have sufficient organizational freedom to ensure their independence from operating pressures.

## ADMINISTRATIVE CONTROLS

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### 6.2.2 FACILITY STAFF

- a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Reactor Operator shall be in the Control Room when fuel is in the reactor. In addition, at least one licensed Senior Reactor Operator shall be in the Control Room while the unit is in MODE 1, 2, 3 or 4.
- c. A Health Physics Technician\* shall be on site when fuel is in the reactor.
- d. All CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- e. A site Fire Brigade of at least 5 members shall be maintained onsite at all times.\* The Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- f. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions; e.g., Senior Reactor Operators, Reactor Operators, Health Physics Technicians, Auxiliary Operators, and key maintenance personnel. Adequate shift coverage shall be maintained without routine heavy use of overtime. The objective shall be to have operating personnel work a nominal 40-hour week while the plant is operating.

In the event that unforeseen problems require substantial amounts of overtime to be used, or during extended periods of shutdown for refueling, major maintenance or major plant modifications, on a temporary basis, the following guidelines shall be followed:

1. An individual will not be permitted to work more than 16 hours straight (not including shift turnover time).
2. There will be a break of at least 8 hours (which can include shift turnover time) between work periods.

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\* The Health Physics Technician and Fire Brigade composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of the Health Physics Technician and/or Fire Brigade members provided immediate action is taken to restore the Health Physics Technician and/or Fire Brigade to within the minimum requirements.

## ADMINISTRATIVE CONTROLS

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3. An individual will not work more than 16 hours in any 24-hour period, nor more than 24 hours in any 48-hour period, nor more than 72 hours in any 7-day period (all excluding shift turnover time).
  4. Except during extended shutdown periods, the use of overtime should be considered on an individual basis and not for the entire staff on a shift.
  5. Any deviation from the above guidelines for the minimum shift complement defined in Technical Specification Table 6.2-1 and health physics technicians shall be reviewed and approved by the General Manager - Nuclear Plant, his designee (Emergency Director) or higher authority. Any deviation from the above guidelines for key maintenance personnel shall be reviewed and approved by the Maintenance Manager or his designee (group supervisor).
- g. The Assistant General Manager - Plant Operations, Operations Manager and Shift Supervisors shall hold a senior reactor operator license. The Reactor Operators shall hold a reactor operator license.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 77 TO FACILITY OPERATING LICENSE NO. NPF-2  
AND AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. NPF-8

ALABAMA POWER COMPANY

JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2

DOCKET NOS. 50-348 AND 50-364

1.0 INTRODUCTION

By letter dated April 28, 1988, Alabama Power Company (APCo) proposed changes to Technical Specifications (TS) 6.2.1, Offsite Organization, and 6.2.2, Facility Staff. The proposed changes would remove Figure 6.2-1, Offsite Organization for Facility Management and Technical Support, and Figure 6.2-2, Facility Organization, and replace them with a narrative description of the offsite and onsite organizations' functional requirements in TS 6.2.1. Guidance for these proposed changes to the TS was provided to licensees and applicants by Generic Letter (GL) 88-06, dated March 22, 1988.

2.0 BACKGROUND

Consistent with the guidance provided in the Standard Technical Specifications Sections 6.2.1 and 6.2.2, the administrative control requirements have referenced offsite and unit (onsite) organization charts that are provided as figures to these sections. On a plant specific basis, these organization charts have been provided by applicants and included in the TS issued with the operating license. Subsequent restructuring of either the offsite or unit organizations, following the issuance of an operating license, has required licensees to submit a license amendment for NRC approval to reflect the desired changes in these organizations. As a consequence, organizational changes have necessitated the need to request an amendment of the operating license.

Because of these limitations on organization structure, the nuclear industry has highlighted this as an area for improvement in the TS. The Shearon Harris licensee proposed changes to remove organization charts from its TS under the lead-plant concept that included the endorsement of the proposed changes by the Westinghouse Owners Group. In its review of the Shearon Harris (a lead-plant) proposal, the staff concluded that most of the essential elements of offsite and onsite organization charts are captured by other regulatory requirements, notably Appendix B to 10 CFR Part 50.



However, there were aspects of the organizational structure that are important to ensure that the administrative control requirements of 10 CFR 50.36 would be met and that would not be retained with the removal of the organization charts. The applicable regulatory requirements are those administrative controls that are necessary to ensure safe operation of the facility. Therefore, those aspects of organization charts for Shearon Harris that were essential for conformance with regulatory requirements were added (1) to TS 6.2.1 to define functional requirements for the offsite and onsite organizations and (2) to TS 6.2.2 to define qualification requirements of their unit staff.

By letter dated January 27, 1988, the staff issued Amendment No. 3 to Facility Operating License NPF-63 for the Shearon Harris Nuclear Power Plant that incorporated these changes to their TS. Subsequently, the staff developed guidance on an acceptable format for license amendment requests to remove the organization charts from TS. GL 88-06 provided this guidance to all power reactors.

### 3.0 EVALUATION

By letter dated April 28, 1988, APCo states that the proposed changes to the TS are in accordance with the guidance provided by GL 88-06. Our evaluation follows:

1. TS 6.2.1 and 6.2.2 were revised to delete the references to Figures 6.2-1 and 6.2-2, which were removed from the TS.
2. Functional requirements of the offsite and onsite organizations were defined and added to TS 6.2.1. This is also consistent with the guidance provided in GL 88-06. The licensee states that implementation of these requirements will be documented in the Final Safety Analysis Report (FSAR) Update, as appropriate.
3. The existing organization chart for the facility staff did not stipulate senior reactor operator (SRO) or reactor operator (RO) license qualified positions. However, existing TS Table 6.2-1, Minimum Shift Crew Composition, lists the specific requirements for these positions. TS 6.2.2.g is added to specify SRO and RO requirements which were not in the existing Farley site TS.
4. Consistent with requirements to document the offsite and onsite organization relationships in the form of organization charts, the licensee has confirmed that this documentation has been designated for inclusion in the next update of the FSAR, as noted above.
5. The licensee has verbally confirmed that no TS, other than those noted in item (1) above, include references to the figures of the organization charts that are being removed from the TS. Hence, this is not an applicable consideration, with regard to the need to redefine reference requirements, as a result of the removal of these figures.

On the basis of our review as discussed above, the staff concludes that the licensee has provided an acceptable response to these items as addressed in the NRC guidance on removing organization charts from the administrative control requirements of the TS. Furthermore, the staff finds that these changes are consistent with the staff's generic finding on the acceptability of such changes as noted in GL 88-06. Accordingly, the staff finds the TS proposed changes to be acceptable.

#### 4.0 ENVIRONMENTAL CONSIDERATION

These amendments relate to changes in recordkeeping, or administrative procedures or requirements. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

#### 5.0 CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration as published on June 6, 1988 in the Federal Register (53 FR 20700), and consulted with the State of Alabama. No public comments were received, and the State of Alabama did not have any comments.

On the basis of the considerations discussed above, the staff concludes that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: T. Dunning  
E. Reeves  
F. Allenspach

Dated: July 8, 1988