Docket Nos. 50-348 and 50-364

DISTRIBUTION
See attached sheet

Mr. W. G. Hairston, III Senior Vice President Alabama Power Company 40 Inverness Center Parkway Post Office Box 1295 Birmingham, Alabama 35201

Dear Mr. Hairston:

SUBJECT:

ISSUANCE OF AMENDMENT NO. 90 TO FACILITY OPERATING LICENSE

NO. NPF-2 AND AMENDMENT NO. 83 TO FACILITY OPERATING LICENSE NO.

NPF-8 REGARDING ADDING SOUTHERN NUCLEAR OPERATING COMPANY, INC., AS A

LICENSEE- JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2,

(TAC NOS \$\mathbb{N} 80371 AND \mathbb{N} 80372)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 90 to Facility Operating License No. NPF-2 and Amendment No. 83 to Facility Operating License No. NPF-8 for the Joseph M. Farley Nuclear Plant, Units 1 and 2. The amendments change the Facility Operating Licenses, Technical Specifications and the Environmental Protection Plans in response to your submittal dated May 6, 1991, as supplemented June 18, June 20, September 27, October 14, and October 22, 1991.

The amendments change the Facility Operating Licenses, Technical Specifications and the Environmental Protection Plans to add Southern Nuclear Operating Company, Inc., as a licensee with the responsibility to act as the licensed operator of the facility.

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

9112090351 911122 PDR ADUCK 05000348 Sincerely,
Orignal signed by:

Stephen T. Hoffman, Project Manager Project Directorate II-1 Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

#### Enclosures:

- 1. Amendment No. 90 to NPF-2
- 2. Amendment No. 83 to NPF-8
- 3. Safety Evaluation

cc w/enclosures: See next page

\*SEE PREVIOUS CONCURRENCE

OFC :LA: PDY N: DRPE:PE:PD21:DRPE:PM:PD21:DRPE:BC:PTSB\* :BC:LHFB\* :OGC 4 :D:PB21:DRPE

NAME : PAnderson :Skirslif :SHeffman :AGody :JWermiel : Ebolum :EAdensam

DATE :11/20/91 :11/20/91 :11/20/91 :11/15/91 :11/15/91 :11/20/91 :11/20/91

OFFICIAL RECORD COPY

Document Name: FARLEY AMEND 80371/80372

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

cc:

Mr. R. P. McDonald Executive Vice President Nuclear Operations Alabama Power Company P. O. Box 1295 Birmingham, Alabama 35201

Mr. B. L. Moore Manager, Licensing Alabama Power Company P. O. Box 1295 Birmingham, Alabama 35201

Mr. Louis B. Long, General Manager Southern Company Services, Inc. P. O. Box 2625 Birmingham, Alabama 35202

Mr. D. N. Horey General Hanager - Farley Nuclear Plant P. O. Box 470 Ashford, Alabama 36312

Mr. J. D. Woodward Vice-President - Nuclear Farley Project Alabama Power Company P. O. Box 1295 Birmingham, Alabama 35201 Joseph M. Farley Nuclear Plant

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

Regional Administrator, Region II U.S. Nuclear Regulatory Commission 101 Marietta Street, Suite 2900 Atlanta, Georgia 30323

Chairman Houston County Commission Dothan, Alabama 36301

Claude Earl Fox, M.D. State Health Officer State Department of Public Health State Office Building Montgomery, Alabama 36130

James H. Miller, III, Esq. Balch and Bingham P. O. Box 306 1710 Sixth Avenue North Birmingham, Alabama 35201

AMENDMENT NO. 90 TO FACILITY OPERATING LICENSE NO. NPR-2 - FARLEY, UNIT 1 AMENDMENT NO. 83 TO FACILITY OPERATING LICENSE NO. NPF-8 - FARLEY, UNIT 2

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Docket File: 50-348/50-364
NRC PDR
Local PDR
PDII-1 Reading: Farley
S. Varga (14E4)
G. Lainas
E. Adensam
P. Anderson
S. Kirslis
S. Hoffman(2)
OGC
D. Hagan (MNBB 3302)
G. HITT (4 cys for each Docket No.)
Wanda Jones (P-130A)
C. Grimes (11D3)
ACRS (10)
GPA/PA
OC/LFMB
D. Nash
PDII-3 PD
PDII-3 LA
L. Reyes, RII
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cc: Farley Service List



# UNITED STATES CLEAR REGULATORY COMMISSIO 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. 90 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 May 6, 1991, as supplemented June 18, June 20, September 27, October 14, and October 22, 1991, 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 rules and 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 Operating License is amended by changes to the license conditions, Technical Specifications, and Environmental Protection Plan, as indicated in the attachment to this license amendment.

3. This license amendment is effective as of its date of issuance. The license conditions shall be implemented within 90 days of the date of issuance and upon the official transfer of responsibilities between Alabama Power Company and Southern Nuclear Operating Company, Inc.

FOR THE NUCLEAR REGULATORY COMMISSION

Elinor G. Adensam, Director Project Directorate II-1

Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Attachment: Changes to the Operating License and Appendices

Date of Issuance: November 22, 1991

# ATTACHMENT TO LICENSE AMENDMENT NO. 90

# TO FACILITY OPERATING LICENSE NO. NPF-2

# **DOCKET NO. 50-348**

- 1. Replace Operating License NPF-2 in its entirety with revised license.
- 2. Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages	<u>Insert Pages</u>
6-11	6-11

3. Replace the following pages of the Appendix B Environmental Protection Plan.

Remove Pages	Insert Pages
1-1	1-1
3-3	3-3
4-3	4-3
5-1	5-1



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

## SOUTHERN NUCLEAR OPERATING COMPANY

#### ALABAMA POWER COMPANY

# DOCKET NO. 50-348

# JOSEPH M. FARLEY NUCLEAR PLANT, UNIT 1

#### FACILITY OPERATING LICENSE

License No. NPF-2

- 1. The Nuclear Regulatory Commission (the Commission) having found that:
  - A. The application for license filed by Alabama Power Company 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 and all required notifications to other agencies or bodies have been duly made;
  - B. Construction of the Joseph M. Farley Nuclear Plant, Unit 1 (the facility or Farley) has been substantially completed in conformity with Construction Permit No. CPPR-85 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - D. There is reasonable assurance: (i) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;

- E. Southern Nuclear Operating Company\* (herein called Southern Nuclear) is technically qualified and together, Southern Nuclear and Alabama Power Company are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
- F. Alabama Power Company has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
- G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of Facility Operating License No. NPF-2 subject to the conditions for protection of the environment set forth herein is in accordance with 10 CFR Part 51 (formerly Appendix D to 10 CFR Part 50), of the Commission's regulations and all applicable requirements have been satisfied; and
- I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.
- 2. Facility Operating License No. NPF-2 is hereby issued to Southern Nuclear and Alabama Power Company to read as follows:

<sup>\*</sup> Southern Nuclear succeeds Alabama Power Company as the operator of Joseph M. Farley Nuclear Plant, Unit 1. Southern Nuclear is authorized to act as agent for Alabama Power Company and has exclusive responsibility and control over the physical construction, operation, and maintenance of the facility.

- A. This license applies to the Joseph M. Farley Nuclear Plant, Unit 1, a pressurized water nuclear reactor and associated equipment (the facility), owned by the Alabama Power Company and operated by Southern Nuclear. The facility is located on the Chattahoochee River in Houston County near the city of Dothan, Alabama and is described in the "Final Safety Analysis Report," as supplemented and amended (Amendments 26 through 66) and the Environmental Report, as supplemented and amended (Amendments 1 through 6).
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
  - (1) Southern Nuclear, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, manage, use, maintain, and operate the facility at the designated location in Houston County, Alabama in accordance with the procedures and limitations set forth in this license;
  - (2) Alabama Power Company, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess but not operate the facility at the designated location in Houston County, Alabama in accordance with the procedures and limitations set forth in this license.
  - (3) Southern Nuclear, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
  - (4) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

- (5) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and
- (6) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

# (1) Maximum Power Level

Southern Nuclear is authorized to operate the facility at steady state reactor core power levels not in excess of 2652 megawatts (thermal). Prior to attaining the power level, Alabama Power Company shall complete the preoperational tests, startup tests and other items identified in Attachment 2 to this license in the sequence specified. Attachment 2 is an integral part of this license.

#### (2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 90, are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications.

## (3) Additional Conditions

The matters specified in the following conditions shall be completed to the satisfaction of the Commission within the stated time periods following the issuance of the license or within the operational restrictions indicated. The removal of these conditions shall be made by an amendment to the license supported by a favorable evaluation by the Commission.

- (a) Southern Nuclear shall not operate the reactor in Operational Modes 1 and 2 with less than three reactor coolant pumps in operation.
- (b) Deleted per Amendment 13
- (c) Deleted per Amendment 2
- (d) Deleted per Amendment 2
- (e) Prior to startup following the first regularly scheduled refueling outage, Alabama Power Company shall replace instrumentation for measurement of the pressurizer level, the steam generator wide range level, the steam generator narrow range level, and the reactor coolant system pressure with the corresponding modified instrumentation identified in Amendment Number 65 to the Final Safety Analysis Report.

Deleted per Amendment 2

- (f) Southern Nuclear shall not use the spent fuel cask crane for the purpose of moving spent fuel casks prior to submission to and approval by the Commission of the design of the lifting devices which attach the spent fuel cask to the crane.
- (g) Southern Nuclear shall maintain a secondary water chemistry monitoring program to inhibit steam generator tube degradation. This program shall include:
  - Identification of a sampling schedule for the critical parameters and control points for these parameters;

- Identification of the procedures used to quantify parameters that are critical to control points;
- Identification of process sampling points;
- 4. A procedure for the recording and management of data;
- 5. Procedures defining corrective actions for off control point chemistry conditions; and
- 6. A procedure identifying the authority responsible for the interpretation of the data and the sequence and timing of administrative events required to initiate corrective action.

# (4) Fire Protection Program

Southern Nuclear shall maintain in effect and fully implement all provisions of the approved fire protection plan. The approved fire protection plan consists of the document entitled, "Farley Nuclear Plant Fire Protection Program Reevaluation" which includes:

Initial Issue, submitted with letter dated September 15, 1977;

Amendment 1, submitted with letter dated February 23, 1978;

Amendment 2, submitted with letter dated July 14, 1978;

Amendment 3, submitted with letter dated October 27, 1978;

Amendment 4, submitted with letter dated January 3, 1979.

Alabama Power Company may proceed with and is required to complete the modifications identified in Tables 1, 2 and 3 of the NRC's Joseph M. Farley Safety Evaluation Report, Fire Protection Review, Unit Nos. 1 and 2 dated February 12, 1979. Most of the modifications will be completed before the end of the second refueling outage for Unit No. 1. Exceptions are smoke detectors, penetration seals and barriers which will be completed by September 1, 1980. In the event that these modifications cannot be completed as identified in Tables 1, 2 and 3, Alabama Power Company shall submit a

report, explaining the circumstances, together with a revised schedule for NRC approval.

Administrative control changes and procedure revisions shall be implemented as described in NRC's Safety Evaluation Report dated February 12, 1979.

Further, by January 1, 1980, Alabama Power Company shall provide for Commission review and obtain Commission approval of the final design of the modifications prior to implementation which would allow the reactor to be taken to cold shutdown without reliance on the cable spreading room, or the control room.

The fire protection program modifications are described in the Commission-approved Farley Nuclear Plant Fire Protection Program. Southern Nuclear is authorized to make other changes to the program without prior Commission approval provided that such changes do not result in a decrease in the effectiveness of the program.

- D. Southern Nuclear shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Joseph M. Farley Nuclear Plant Physical Security Plan," with revisions submitted through November 17, 1987; "Joseph M. Farley Nuclear Plant Guard Training and Qualification Plan," with revisions submitted through April 12, 1982; and "Joseph M. Farley Nuclear Plant Safeguards Contingency Plan," with revisions submitted through March 28, 1980. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.
- E. This license is subject to the following additional conditions for the protection of the environment:

- (1) Southern Nuclear shall operate the facility within applicable Federal and State air and water quality standards and the Environmental Technical Specifications which include nonradiological and radiological monitoring programs, limits on effluent releases, and appropriate comprehensive ecological surveillance study, and reporting requirements.
- (2) Before engaging in an operational activity not evaluated by the Commission, Southern Nuclear will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than evaluated in the Final Environmental Statement, Southern Nuclear shall provide a written evaluation of such activities and obtain prior approval of the Director, Office of Nuclear Reactor Regulation for the activities.
- F. Alabama Power Company shall meet the following antitrust conditions:
  - (1) Alabama Power Company shall recognize and accord to Alabama Electric Cooperative (AEC) the status of a competing electric utility in central and southern Alabama.
  - Alabama Power Company shall offer to sell to AEC an undivided ownership interest in Units 1 and 2 of the Farley Nuclear Plant. The percentage of ownership interest to be so offered shall be an amount based on the relative sizes of the respective peak loads of AEC and the Alabama Power Company (excluding from the Alabama Power Company's peak load that amount imposed by members of AEC upon the electric system of Alabama Power Company) occurring in 1976. The price to be paid by AEC for its proportionate share of Units 1 and 2, determined in accordance with the foregoing formula, will be established by the parties through good faith negotiations. The price shall be sufficient to fairly reimburse Alabama Power Company for the proportionate share of its total costs related to the Units 1 and 2 including, but not limited to, all costs of construction. installation, ownership and licensing, as of a date, to be agreed to by the two parties, which fairly accommodates both their respective The offer by Alabama Power Company to interests. sell an undivided ownership interest in Units 1 and

2 may be conditioned, at Alabama Power Company's option, on the agreement by AEC to waive any right of partition of the Farley Plant and to avoid interference in the day-to-day operation of the plant.

- (3) Alabama Power Company will provide, under contractual arrangements between Alabama Power Company and AEC, transmission services via its electric system (a) from AEC's electric system to AEC's off-system members; and (b) to AEC's electric system from electric systems other than Alabama Power Company's and from AEC's electric system to electric systems other than Alabama Power Company's. The contractual arrangements covering such transmission services shall embrace rates and charges reflecting conventional accounting and ratemaking concepts followed by the Federal Energy Regulatory Commission (or its successor in function) in testing the reasonableness of rates and charges for transmission services. Such contractual arrangements shall contain provisions protecting Alabama Power Company against economic detriment resulting from transmission line or transmission losses associated therewith.
- (4) Alabama Power Company shall furnish such other bulk power supply services as are reasonably available from its system.
- Alabama Power Company shall enter into appropriate contractual arrangements amending the 1972 Interconnection Agreement as last amended to provide for a reserve sharing arrangement between Alabama Power Company and AEC under which Alabama Power Company will provide reserve generating capacity in accordance with practices applicable to its responsibility to the operating companies of the Southern Company System. AEC shall maintain a minimum level expressed as a percentage of coincident peak one-hour kilowatt load equal to the percent reserve level similarly expressed for Alabama Power Company as determined by the Southern Company System under its minimum reserve criterion then in effect. Alabama Power Company shall provide to AEC such data as needed from time to time to demonstrate the basis for the need for such minimum reserve level.

- Alabama Power Company shall refrain from taking any steps, including but not limited to the adoption of restrictive provisions in rate filings or negotiated contracts for the sale of wholesale power, that serve to prevent any entity or group of entities engaged in the retail sale of firm electric power from fulfilling all or part of their bulk power requirements through self-generation or through purchases from some other source other than Alabama Power Company. Alabama Power Company shall further, upon request and subject to reasonable terms and conditions, sell partial requirements power to any such entity. Nothing in this paragraph shall be construed as preventing applicant from taking reasonable steps, in accord with general practice in the industry, to ensure that the reliability of its system is not endangered by any action called for herein.
- (7) Alabama Power Company shall engage in wheeling for and at the request of any municipally-owned distribution system:
  - of electric energy from delivery points of Alabama Power Company to said distribution system(s); and
  - (2) of power generated by or available to a distribution system as a result of its ownership or entitlement\* in generating facilities, to delivery points of Alabama Power Company designated by the distribution system.

Such wheeling services shall be available with respect to any unused capacity on the transmission lines of Alabama Power Company, the use of which will not jeopardize Alabama Power Company's system. The contractual arrangements covering such wheeling services shall be determined in accordance with the principles set forth in Condition (3) herein.

<sup>\* &</sup>quot;Entitlement" includes but is not limited to power made available to an entity pursuant to an exchange agreement.

Alabama Power Company shall make reasonable provisions for disclosed transmission requirements of any distribution system(s) in planning future transmission. By "disclosed" is meant the giving of reasonable advance notification of future requirements by said distribution system(s) utilizing wheeling services to be made available by Alabama Power Company.

(8) The foregoing conditions shall be implemented in a manner consistent with the provisions of the Federal Power Act and the Alabama Public Utility laws and regulations thereunder and all rates, charges, services or practices in connection therewith are to be subject to the approval of regulatory agencies having jurisdiction over them.

Southern Nuclear shall not market or broker power or energy from Joseph M. Farley Nuclear Plant, Units 1 and 2. Alabama Power Company shall continue to be responsible for compliance with the obligations imposed on it by the antitrust conditions contained in this paragraph 2.F. of the license. Alabama Power Company shall be responsible and accountable for the actions of its agent, Southern Nuclear, to the extent said agent's actions may, in any way, contravene the antitrust conditions of this paragraph 2.F.

G. In accordance with the requirement imposed by the October 8, 1976 order of the United States Court of Appeals for the District of Columbia Circuit in Natural Resources Defense Council v. Nuclear Regulatory Commission, No. 74-1385 and 74-1586, that the Nuclear Regulatory Commission "shall make any licenses granted between July 21, 1976 and such time when the mandate is issued subject to the outcome of such proceeding herein," this license shall be subject to the outcome of such proceedings.

H. This license is effective as of the date of issuance and shall expire at midnight, June 25, 2017.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Director

Division of Project Management

Office of Nuclear Reactor Regulation

## Attachments:

- - 2. Preoperational Tests, Startup
    Tests and Other Items Which
    Must Be Completed Prior to
    Proceeding to Succeeding
    Operational Modes
- Date of Issuance: JUN 2 5 1977

#### ADMINISTRATIVE CONTROLS

- g. Reports and meeting minutes of the PORC.
- h. Proposed changes to Technical Specifications or this Operating License.
- i. The safety evaluations for proposed 1) procedures 2) changes to procedures, equipment or systems and 3) test or experiments completed under the provision of Section 50.59 10 CFR, to verify that such actions did not constitute an unreviewed safety question.

#### **AUDITS**

- 6.5.2.8 The following audits shall be conducted under the direction of the Manager Safety Audit and Engineering Review:
  - a. The conformance of facility operation to provisions contained within the Technical Specifications and applicable license conditions at least once per 12 months.
  - b. The performance, training and qualifications of the entire facility staff at least once per 12 months.
  - c. The results of actions taken to correct deficiencies occurring in facility equipment, structures, systems or method of operation that affect nuclear safety at least once per 6 months.
  - d. The performance of activities required by the Operational Quality Assurance Program to meet the criteria of Appendix "B", 10 CFR 50, at least once per 24 months.
  - e. The Facility Emergency Program at least once per 12 months.
  - f. The Facility Security Plan at least once per 12 months.
  - g. Any other area of facility operation considered appropriate by the NORB or the Vice President-Nuclear.
  - h. The Facility Fire Protection Program and implementing procedures at least once per 24 months.
  - i. An independent fire protection and loss prevention program inspection and audit of the unit at least once per 12 months utilizing either qualified offsite licensee personnel or an outside fire protection firm.
  - j. An inspection and audit of the unit fire protection and loss prevention program by a qualified outside fire consultant at least once per 36 months.
  - k. The radiological effluent and environmental monitoring programs and the results thereof at least once per 12 months.

# APPENDIX B

TO FACILITY LICENSE NO. NPF-2

JOSEPH M. FARLEY NUCLEAR PLANT

UNIT 1

SOUTHERN NUCLEAR OPERATING COMPANY

DOCKET NO. 50-348

ENVIRONMENTAL PROTECTION PLAN

# 1.0 Objectives of the Environmental Protection Plan

The Environmental Protection Plan (EPP) is to provide for protection of environmental values during construction and operation of the nuclear facility. The principal objectives of the EPP are as follows:

- (1) Verify that the plant is operated in an environmentally acceptable manner, as established by the FES and other NRC environmental impact assessments.
- (2) Coordinate NRC requirements and maintain consistency with other Federal,

  State and local requirements for environmental protection.
- (3) Keep NRC informed of the environmental effects of facility construction and operation and of actions taken to control those effects.

Environmental concerns identified in the FES which relate to water quality matters are regulated by way of the NPDES permit.

Changes and additions to the NPDES Permit or the State certification shall be reported to the NRC within 30 days following the date the change is approved. If a permit or certification, in part or in its entirety, is appealed and stayed, the NRC shall be notified within 30 days following the date the stay is granted.

The NRC shall be notified of changes to the effective NPDES Permit proposed by the permit holder by providing NRC with a copy of the proposed change at the same time it is submitted to the permitting agency. The notification of an initiated change shall include a copy of the requested revision submitted to the permitting agency. The licensee shall provide the NRC a copy of the application for renewal of the NPDES permit at the same time the application is submitted to the permitting agency.

3.3 Changes Required for Compliance with Other Environmental Regulations
Changes in plant design or operation and performance of tests or experiments
which are required to achieve compliance with other Federal, State, or local
environmental regulations are not subject to the requirements of Section 3.1.

Protection Agency and approved by State authorities and applied as directed by said authorities:

- i) Farley to Pickard-South 230KV
- ii) Farley to Webb to Pickard 230KV
- iii) Farley to Snowdown 500KV

Records shall be maintained concerning herbicide use. Such records shall include the following information: commercial and chemical names of materials used; concentration of active material in formulations diluted for field use; diluting substances other than water; rates of application; method and frequency of application; location; and the date of application. Such records shall be maintained for a period of 5 years and be made readily available to the NRC upon request. There shall be no routine reporting requirement associated with this condition.

# 4.2.3 Land Management

There shall be a land management program instituted at the FNP to provide for revegetation of site areas impacted during construction as described in Section 5.2 of the FES-OL. This program requires landscaping of certain areas around the plant buildings and the revegetation and management of the remainder of the site as a wildlife refuge. There shall be no reporting requirement associated with this condition.

#### 5.0 Administrative Procedures

#### 5.1 Review and Audit

Review and audit of compliance with the Environmental Protection Plan shall be provided. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organization structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

#### 5.2 Records Retention

Records and logs relative to the environmental aspects of plant operation shall be made and retained in a manner convenient for review and inspection.

These records and logs shall be made available to NRC on request.

Records of modifications to plant structures, systems and components determined to potentially affect the continued protection of the environment shall be retained for the life of the plant. All other records, data and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.



# 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. 83 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 May 6, 1991, as supplemented June 18, June 20, September 27, October 14, and October 22, 1991, 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 rules and 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 Operating License is amended by changes to the license conditions, Technical Specifications, and Environmental Protection Plan, as indicated in the attachment to this license amendment.

3. This license amendment is effective as of its date of issuance. The license conditions shall be implemented within 90 days of the date of issuance and upon the official transfer of responsibilities between Alabama Power Company and Southern Nuclear Operating Company, Inc.

FOR THE NUCLEAR REGULATORY COMMISSION

Elinor G. Adensam, Director Project Directorate II-1

Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Attachment:

Changes to the Operating License and Appendices

Date of Issuance: November 22, 1991-

# ATTACHMENT TO LICENSE AMENDMENT NO. 83 TO FACILITY OPERATING LICENSE NO. NPF-8

# DOCKET NO. 50-364

- 1. Replace Operating License NPF-8 in its entirety with revised license.
- 2. Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages	<u>Insert Pages</u>
6-11	6-11

3. Replace the following pages of the Appendix B Environmental Protection Plan.

Remove Pages	Insert Pages
1-1	1-1
3-3	3-3
4-3	4-3
5-1	5-1



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

# SOUTHERN NUCLEAR OPERATING COMPANY

#### ALABAMA POWER COMPANY

DOCKET NO. 50-364

# JOSEPH M. FARLEY NUCLEAR PLANT, UNIT 2

#### FACILITY OPERATING LICENSE

License No. NPF-8

- 1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
  - A. The application for license filed by Alabama Power Company complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
  - B. Construction of the Joseph M. Farley Nuclear Plant, Unit 2 (the facility or Farley), has been substantially completed in conformity with Construction Permit No. CPPR-86 and the application, as amended, the provisions of the Act and the regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission;
  - D. There is reasonable assurance: (i) that the activities authorized by this license 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 set forth in 10 CFR Chapter I;

- E. Southern Nuclear Operating Company\* (herein called Southern Nuclear) is technically qualified and, together, Southern Nuclear and Alabama Power Company are financially qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
- F. Alabama Power Company has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements", of the Commission's regulations;
- G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
- H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of Facility Operating License No. NPF-8, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan which is Appendix B to this license, is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements have been satisfied; and
- I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70.
- 2. Pursuant to approval by the Nuclear Regulatory Commission at a meeting on March 11, 1981, the License for Fuel Loading and Low Power Testing (NPF-8), issued on October 23, 1980, as amended, is superseded by Facility Operating License NPF-8 which is hereby issued to Southern Nuclear and Alabama Power Company to read as follows:

<sup>\*</sup> Southern Nuclear succeeds Alabama Power Company as the operator of Joseph M. Farley Nuclear Plant, Unit 2. Southern Nuclear is authorized to act as agent for Alabama Power Company and has exclusive responsibility and control over the physical construction, operation, and maintenance of the facility.

- A. This license applies to the Joseph M. Farley Nuclear Plant, Unit 2, a pressurized water nuclear reactor and associated equipment (the facility), owned by the Alabama Power Company and operated by Southern Nuclear. The facility is located in Houston County, Alabama, and is described in the "Final Safety Analysis Report," as supplemented and amended, and in the Environmental Report, as supplemented and amended.
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
  - (1) Southern Nuclear, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, manage, use, maintain, and operate the facility at the designated location in Houston County, Alabama, in accordance with the limitations set forth in this license;
  - (2) Alabama Power Company, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess but not operate the facility at the designated location in Houston County, Alabama in accordance with the procedures and limitations set forth in this license.
  - (3) Southern Nuclear, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
  - (4) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
  - (5) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess, and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and

- (6) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

# (1) Maximum Power Level

Southern Nuclear is authorized to operate the facility at reactor core power levels not in excess of 2652 megawatts thermal.

# (2) <u>Technical Specifications</u>

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.90, are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications.

# (3) Initial Test Program

Alabama Power Company shall conduct the initial test program (set forth in Section 14 of the Final Safety Analysis Report as amended) without making any modifications to this program unless such modifications are in accordance with the provisions of 10 CFR Section 50.59. In addition, Alabama Power Company shall not make any major modifications to this program unless the modifications have been identified and have received prior NRC approval. Major modifications are defined as:

- a. Elimination of any test identified as essential in Section 14 of the Final Safety Analysis Report, as amended;
- b. Modification of test objectives, methods or acceptance criteria for any test identified as essential in Section 14 of the Final Safety Analysis Report, as amended;
- c. Performance of any test at a power level different from the level in the described program; and

- d. Failure to complete any tests included in the described program (planned or scheduled) for power levels up to the authorized power level.
- (4) Southern Nuclear shall not use the spent fuel cask crane for the purpose of moving spent fuel casks prior to approval by the NRC of the lifting devices which attach the spent fuel cask to the crane.
- (5) The interval for testing pumps and valves in accordance with 10 CFR 50.55 a(g)(2) is 120 months commencing with the start of commercial operation. Alabama Power Company shall provide additional information needed by the NRC to complete its detailed review of the Alabama Power Company's inservice testing program for pumps and valves no later than 6 months prior to the end of the first 120-month interval.

# (6) Fire Protection Program

Southern Nuclear shall maintain in effect and fully implement all provisions of the approved fire protection plan except as modified by the NRC's Joseph M. Farley Safety Evaluation Report, Fire Protection Review, Units 1 and 2, transmitted to Alabama Power Company on April 13, 1979 (Fire Protection SER). The approved fire protection plan consists of the document entitled "Farley Nuclear Plant Fire Protection Program Reevaluation" which includes:

Initial Issue, submitted with letter dated September 15, 1977;

Amendment 1, submitted with letter dated February 23, 1978;

Amendment 2, submitted with letter dated July 14, 1978;

Amendment 3, submitted with letter dated October 27, 1978;

Amendment 4, submitted with letter dated January 3, 1979, and amended by letter dated October 21, 1980.

Administrative control changes and procedure revisions shall be implemented and maintained in effect as described in NRC's Fire Protection SER.

Southern Nuclear shall comply with the fire protection program set forth in Appendix R to 10 CFR Part 50 in accordance with the requirements of §50.48 of 10 CFR Part 50.

(7) No later than 90 days from the date of original issuance of this license, Alabama Power Company shall report to the NRC the status of any items related to emergency preparedness identified by FEMA in its plan, evaluation, and exercise critique, or by the NRC in its SER and Supplements as requiring further action.

Alabama Power Company shall complete its plans for prompt notification, staffing for emergencies, upgrading the meteorological program, and upgrading emergency support facilities on the NRC approved schedule identified in the following sections of SER Supplement 5:

Section 22.5, Dated Requirements:

Item III.A.1.2 Upgrade Emergency Support Facilities

Item III.A.2 Long Term Emergency Preparedness

Appendix B Emergency Preparedness Evaluation Report:

Section B Onsite Emergency Organization Section E Notification Methods and Procedures

(8) On a one-time only basis, The Action Statement of Technical Specification 3.7.4. shall be replaced by the following:

# Action:

With only one service water loop OPERABLE, restore at least two loops to OPERABLE status within 72\* hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

\*This 72-hour limit is extended on a one-time only basis to a maximum of 10 days for the recirculation portion of each service water loop to permit system modifications. Modifications, affecting operability, shall be made on only one of the two service water loops at a time. One loop shall remain OPERABLE until the other loop has been modified and returned to OPERABLE status. All other portions of the service water system are not covered by this one-time only

change. All modifications to both loops are scheduled for completion by May 15, 1981.

For record purposes, this license condition expires 90 days from date of original license issuance.

- (9) (a) Prior to exceeding 5-percent power, Alabama
  Power Company shall provide to the NRC the
  results of the following seven augmented low
  power tests:
  - natural circulation
  - natural circulation with simulated loss of offsite power
  - natural circulation with loss of pressurized heaters
  - effect of steam generator secondary side isolation on natural circulation
  - natural circulation at reduced pressure
  - cooldown capability of the charging and let down system
  - simulated loss of all onsite and offsite ac power
  - (b) After operation for 25,000 MW(e) days and at its next shutdown of sufficient time duration but in any case no later than prior to the startup following the first refueling outage, results of a test of natural circulation cooldown with boron mixing shall be submitted to the NRC. However, this license condition may be satisfied in the same time frame by the Alabama Power Company's providing analyses to show that test results of such test performance at other plants are applicable to Farley 2.
- (10) Prior to exceeding 5-percent power, Alabama Power Company shall make fully operational the post-accident sampling system.
- (11) Prior to exceeding 5-percent power, Alabama Power Company shall complete the training for mitigating core damage.
- (12) Alabama Power Company shall modify procedures and, if necessary, equipment used for natural circulation cooldown as follows:

- (a) Prior to exceeding 5-percent power, Alabama Power Company shall perform tests to demonstrate manual operation of an atmospheric steam dump valve.
- (b) Prior to startup following the first refueling, Alabama Power Company shall make provisions (or modifications) as necessary to assure that the safety grade backup means of reactor coolant system depressurization is in accordance with the requirements of Table 1 in Branch Technical Position RSB 5-1, Rev. 1.
- (c) Prior to startup following the first refueling, Alabama Power Company shall provide to the NRC natural circulation cooldown procedures, based on reactor natural circulation cooldown test results applicable to Farley Unit 2.
- (13) Prior to exceeding 5-percent power, Alabama Power Company shall (a) modify and test reset circuits for the containment air mixing fans, containment purge isolation valves, and auxiliary feedwater pump discharge valves to meet the requirements of IE Bulletin 80-06 "Engineered Safety Feature Reset Controls", and (b) revise procedures to be consistent with the modified designs required by (a).
- (14) Prior to exceeding 5-percent power, the following equipment which was not required to be operable by the Fuel Loading and Low Power Testing License is exempt from the Technical Specification (TS) that requires a demonstration of operability:
  - All fire detectors listed in TS Table 3.3-12 except those in containment (Fire Zone 55)
  - Reactor coolant system isolation valves listed in TS Table 3.4-1.
- (15) Prior to May 31, 1981, Alabama Power Company shall complete modifications to the subcooling monitor system identified in Item II.F.2, Section 22.3 in SER Supplement 5, NUREG-0117.
- (16) Prior to startup following the second refueling,
  Alabama Power Company shall complete modifications
  for Masonry Wall 2 CBW-34 to meet the NRC staff
  criteria.

- (17) Prior to October 1, 1981, Alabama Power Company shall submit to the NRC the design of a modified containment vent and purge system to reduce the use of the 18-inch purge valves during power operation. Prior to startup following the first refueling, Alabama Power Company shall install the modified system.
- (18) Alabama Power Company shall take the following remedial actions, or alternative actions, acceptable to the NRC, with regard to the environmental qualification requirements for Class IE equipment:
  - (a) Complete and auditable records shall be available and maintained at a central location which describe the environmental qualification method used for all safety-related electrical equipment in sufficient detail to document the degree of compliance with NUREG-0588, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," dated December 1979. Such records shall be updated and maintained current as equipment is replaced, further tested, or otherwise further qualified to document complete compliance no later than June 30, 1982.
  - (b) Within 90 days of receipt of the equipment qualification safety evaluation (Appendix B to SER Supplement 6, NUREG-0117), Alabama Power Company shall either (i) provide missing documentation identified in Sections 3.0, 4.2 and 4.3 of the equipment qualification safety evaluation which will demonstrate compliance of the applicable equipment with NUREG-0588, or (ii) commit to corrective actions which will result in documentation of compliance of applicable equipment with NUREG-0588 no later than June 30, 1982.
  - (c) No later than June 30, 1982, all safety-related electrical equipment in the facility shall be qualified in accordance with the provisions of NUREG-0588.
- (19) Prior to resuming power operation following the first refueling, Alabama Power Company shall:
  - (a) Provide additional evaluations of the Westinghouse fuel performance code (PAD 3.3) to demonstrate its applicability to fuel burnups during successive fuel cycles.

- (b) Complete the remaining modifications to the primary and backup circuit protection devices in the containment penetration circuits (which are not completed during the first refueling outage) during the next extended cold shutdown after the first refueling outage, but no later than during the second refueling outage.
- (c) Modify the lubrication system of the two Fairbanks-Morse opposed-piston diesel generators by installing a pre-lube pump arranged for automatic and manual start and powered from a reliable DC power supply or install an equivalent or better system which will prevent dry starting of the diesel generators on an automatic start signal. Alabama Power Company shall submit the system final design and implementation schedule to the NRC within six months after this license is issued.
- (d) Inspect the main steam turbine for indications of low pressure rotor disc cracking, or replace the present low pressure rotors with refurbished rotors.
- (20) Prior to April 30, 1981, Alabama Power Company shall provide a schedule to the NRC for bringing the facility into compliance with Revision 2 of Regulatory Guide 1.97, "Instrumentation for Light Water Cooled Nuclear Power Plants to Assess Plant Conditions During and Following an Accident," dated December 1980.
- (21) Alabama Power Company shall complete each of the following conditions to the satisfaction of the NRC by the times indicated. Each of the following conditions references the appropriate item in Section 22.5, "Dated Requirements" in SER Supplement 5, NUREG-0117:
  - (a) <u>Guidance for the Evaluation and Development of</u>
    <u>Procedures for Transients and Accidents</u> (I.C.1)

Prior to startup following the first refueling after January 1, 1982, complete the upgrading of emergency procedures and associated operator training. (b) Reactor Coolant System Vents (II.B.1)

Submit a design description and operating procedures for reactor coolant system vents prior to July 1, 1981 and complete installation prior to July 1, 1982.

(c) Plant Shielding (II.B.2)

At the next cold shutdown period of sufficient duration after material availability, but at the latest no later than prior to startup after the first refueling outage, the remaining modifications shall be completed. These modifications are as described in Alabama Power Company letter dated February 11, 1982. The modifications are to assure access to vital areas and protection of safety equipment following an accident resulting in a degraded core.

(d) Relief and Safety Valve Tests (II.D.1)

Provide information to the NRC based on tests to demonstrate qualification of relief valves, block valves, and associated piping as follows:

- (1) Report demonstrating qualification of relief valves, and associated piping prior to October 1, 1981.
- (2) Report demonstrating qualification of block valves prior to July 1, 1982.
- (e) <u>Auxiliary Feedwater Initiation and Indication</u> (II.E.1.2)

Prior to startup following the first refueling, make modifications to the control and protection circuits for the auxiliary feedwater system to enhance the reliability and tolerance of the system to failures. Submit the design of these modifications to the NRC prior to July 1, 1981.

(f) Additional Accident Monitoring Instruments (II.F.1)

Install and provide information regarding accident monitoring instruments as follows:

- (1) Install noble gas effluent monitors prior to January 1, 1982.
- (2) Install capability for continuous sampling of plant gas effluents prior to exceeding 5-percent power.
- (3) Install high-range radioactivity monitors in the containment prior to January 1, 1982.
- (4) Provide a description of containment pressure instruments prior to June 1, 1981 and install pressure instruments prior to January 1, 1982.
- (5) Provide a description of a containment water level measurement system prior to June 1, 1981 and install water level system prior to January 1, 1982.
- (6) Provide a description of the use of the installed hydrogen indication monitors prior to June 1, 1981 and make modifications, if required, prior to January 1, 1982.
- (g) <u>Inadequate Core Cooling Instruments</u> (II.F.2)

For the proposed reactor vessel water level instrument,

- (1) Provide detailed design information identified in Section 22.5 of SER Supplement 5, Requirement A, Parts (1)(a), (3), (4), (7), (8), and (9) prior to July 1, 1981.
- (2) Provide results of tests on Farley Unit 1 for consideration in this facility prior to July 1, 1981.
- (3) Provide planned program to complete development, including any additional test data needed to determine feasibility, prior to January 1, 1982.
- (h) Commission Orders on Babcock & Wilcox Plants, Subsequently Applied to all PWR Plants (II.K.2)

Prior to January 1, 1982,

- (1) Submit a detailed analysis of the thermal mechanical conditions in the reactor vessel during recovery from small break LOCAs with an extended loss of all feedwater (II.K.2.13).
- (2) Provide an analysis of the potential for voiding in the reactor coolant system during anticipated transients (II.K.2.17).
- (3) Provide a bench mark analysis of sequential auxiliary feedwater flow to the steam generators following a loss of main feedwater (II.K.2.19).
- (i) <u>Final Recommendations of B&O Task Force</u> (II.K.3)
  - (1) With respect to an automatic poweroperated relief valve (PORV) isolation system (II.K.3.1 and II.K.3.2):
    - (i) Perform a safety examination of an automatic PORV isolation system (II.K.3.1) per the requirement of II.K.3.2.
    - (ii) If an automatic PORV isolation system is required per (i) above, provide the information identified under the "Documentation Required" section of II.K.3.1 of NUREG-0737 by July 1, 1981.
    - (iii) If required from (i) above, complete installation and testing of the modified automatic PORV isolation system prior to startup following the first refueling outage that is scheduled to occur more than 6 months after NRC approval of the design.
  - (2) With respect to tripping of reactor coolant pumps (RCPs) (II.K.3.5):
    - (i) Submit to the NRC for approval either (1) an evaluation which shows that sufficient time is available to the operator to manually trip the RCPs in the event of a small break LOCA, or (2) a description of design modifications

required to provide for an automatic pump trip. This submittal is required within three months after NRC determination of acceptability of the small break LOCA model based on comparisons with LOFT test L3-6.

- (ii) If required based on (i) above, complete plant modifications to provide for automatic tripping of reactor coolant pumps within 11 months after NRC determination of model acceptability, provided there is an appropriate outage during that time interval to complete installation or during the first such scheduled outage occurring thereafter.
- (3) With respect to reliability of reactor coolant pump seal cooling (II.K.3.25),
  - (i) Prior to January 1, 1982, submit results of analyses or experiments to determine consequences of a loss of cooling water to the reactor coolant pump seal coolers and describe any modifications found necessary.
  - (ii) Prior to July 1, 1982, complete any necessary modifications.
- (4) With respect to a revised small break LOCA model,
  - (i) Prior to January 1, 1982, submit to the NRC a revised model to account for recent experimental data (II.K.3.30).
  - (ii) Submit to the NRC the results of plant-specific calculations using the NRC-approved revised model prior to January 1, 1983.

- Southern Nuclear shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Joseph M. Farley Nuclear Plant Physical Security Plan," with revisions submitted through November 17, 1987; "Joseph M. Farley Nuclear Plant Guard Training and Qualification Plan," with revisions submitted through April 12, 1982; and "Joseph M. Farley Nuclear Plant Safeguards Contingency Plan, "with revisions submitted through March 28, 1980. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.
- E. Southern Nuclear shall report any violations of the requirements contained in Section 2, Items C.(3) through C.(21), and D of this license within 24 hours by telephone and confirm by telegram, mailgram, or facsimile transmission to the Director for Region II of the Office of Inspection and Enforcement, or the Director's designate, no later than the first working day following the violation, with a written followup report within 14 days.
- F. Alabama Power Company shall meet the following antitrust conditions:
  - (1) Alabama Power Company shall recognize and accord to Alabama Electric Cooperative (AEC) the status of a competing electric utility in central and southern Alabama.
  - Alabama Power Company shall offer to sell to AEC an undivided ownership interest in Units 1 and 2 of the Farley Nuclear Plant. The percentage of ownership interest to be so offered shall be an amount based on the relative sizes of the respective peak loads of AEC and Alabama Power Company (excluding from the Alabama Power Company's peak load that amount imposed by members of AEC upon the electric system of Alabama Power Company) occurring in 1976. The price to be paid by AEC for its proportionate share of Units 1 and 2, determined in accordance with the foregoing formula, will be established by the parties through good faith negotiations. The price shall be sufficient to fairly reimburse Alabama Power Company for the proportionate share of its total costs related to the Units 1 and 2 including, but not limited to, all costs of construction, installation,

ownership and licensing, as of a date, to be agreed to by the two parties, which fairly accommodates both their respective interests. The offer by Alabama Power Company to sell an undivided ownership interest in Units 1 and 2 may be conditioned, at Alabama Power Company's option, on the agreement by AEC to waive any right of partition of the Farley Plant and to avoid interference in the day-to-day operation of the plant.

- Alabama Power Company will provide, under contractual arrangements between Alabama Power Company and AEC, transmission services via its electric system (a) from AEC's electric system to AEC's off-system members; and (b) to AEC's electric system from electric systems other than Alabama Power Company's, and from AEC's electric system to electric systems other than Alabama Power Company's. The contractual arrangements covering such transmission services shall embrace rates and charges reflecting conventional accounting and ratemaking concepts followed by the Federal Energy Regulatory Commission (or its successor in function) in testing the reasonableness of rates and charges for transmission services. Such contractual arrangements shall contain provisions protecting Alabama Power Company against economic detriment resulting from transmission line or transmission losses associated therewith.
- (4) Alabama Power Company shall furnish such other bulk power supply services as are reasonably available from its system.
- Alabama Power Company shall enter into appropriate contractual arrangements amending the 1972 Interconnection Agreement as last amended to provide for a reserve sharing arrangement between Alabama Power Company and AEC under which Alabama Power Company will provide reserve generating capacity in accordance with practices applicable to its responsibility to the operating companies of the Southern Company System. AEC shall maintain a minimum level expressed as a percentage of coincident peak one-hour kilowatt load equal to the percent reserve level similarly expressed for Alabama Power Company as determined by the Southern Company System under its minimum reserve criterion then in effect. Alabama Power Company shall provide to AEC such data as needed from time to time to demonstrate the basis for the need for such minimum reserve level.

- Alabama Power Company shall refrain from taking any steps, including but not limited to the adoption of restrictive provisions in rate filings or negotiated contracts for the sale of wholesale power, that serve to prevent any entity or group of entities engaged in the retail sale of firm electric power from fulfilling all or part of their bulk power requirements through self-generation or through purchases from some other source other than Alabama Power Company. Alabama Power Company shall further, upon request and subject to reasonable terms and conditions, sell partial requirements power to any such entity. Nothing in this paragraph shall be construed as preventing applicant from taking reasonable steps, in accord with general practice in the industry, to ensure that the reliability of its system is not endangered by any action called for herein.
- (7) Alabama Power Company shall engage in wheeling for and at the request of any municipally-owned distribution system:
  - (1) of electric energy from delivery points of Alabama Power Company to said distribution system(s); and
  - (2) of power generated by or available to a distribution system as a result of its ownership or entitlement\* in generating facilities, to delivery points of Alabama Power Company designated by the distribution system.

Such wheeling services shall be available with respect to any unused capacity on the transmission lines of Alabama Power Company, the use of which will not jeopardize Alabama Power Company's system. The contractual arrangements covering such wheeling services shall be determined in accordance with the principles set forth in Condition (3) herein.

<sup>\* &</sup>quot;Entitlement" includes but is not limited to power made available to an entity pursuant to an exchange agreement.

Alabama Power Company shall make reasonable provisions for disclosed transmission requirements of any distribution system(s) in planning future transmission. By "disclosed" is meant the giving of reasonable advance notification of future requirements by said distribution system(s) utilizing wheeling services to be made available by Alabama Power Company.

(8) The foregoing conditions shall be implemented in a manner consistent with the provisions of the Federal Power Act and the Alabama Public Utility laws and regulations thereunder and all rates, charges, services or practices in connection therewith are to be subject to the approval of regulatory agencies having jurisdiction over them.

Southern Nuclear shall not market or broker power or energy from Joseph M. Farley Nuclear Plant, Units 1 and 2. Alabama Power Company shall continue to be responsible for compliance with the obligations imposed on it by the antitrust conditions contained in this paragraph 2.F. of the license. Alabama Power Company shall be responsible and accountable for the actions of its agent, Southern Nuclear, to the extent said agent's actions may, in any way, contravene the antitrust conditions of this paragraph 2.F.

- G. The facility requires relief from certain requirements of 10 CFR 50.55a(g) and exemptions from Appendices G, H and J to 10 CFR Part 50. The relief and exemptions are described in the Office of Nuclear Reactor Regulation's Safety Evaluation Report, Supplement No. 5. They are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. Therefore, the relief and exemptions are hereby granted. With the granting of these the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.
- H. Southern Nuclear shall immediately notify the NRC of any accident at this facility which could result in an unplanned release of quantities of fission products in excess of allowable limits for normal operation established by the Commission.
- I. Alabama Power Company shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

J. This license is effective as of the date of issuance and shall expire at midnight, March 31, 2021.

FOR THE NUCLEAR REGULATORY COMMISSION

Haroll R. at

Harold R. Denton, Director Office of Nuclear Reactor Regulation

#### Attachment:

1. Appendix A - Technical Specifications (NUREG-0697, as revised)

2. Appendix B - Environmental Protection Plan

hate of Issuance: arch 31, 1981

- g. Reports and meeting minutes of the PORC.
- h. Proposed changes to Technical Specifications or this Operating License.
- i. The safety evaluations for proposed 1) procedures 2) changes to procedures, equipment or systems and 3) test or experiments completed under the provision of Section 50.59 10 CFR, to verify that such actions did not constitute an unreviewed safety question.

#### AUDITS

- 6.5.2.8 The following audits shall be conducted under the direction of the Manager Safety Audit and Engineering Review:
  - a. The conformance of facility operation to provisions contained within the Technical Specifications and applicable license conditions at least once per 12 months.
  - b. The performance, training and qualifications of the entire facility staff at least once per 12 months.
  - c. The results of actions taken to correct deficiencies occurring in facility equipment, structures, systems or method of operation that affect nuclear safety at least once per 6 months.
  - d. The performance of activities required by the Operational Quality Assurance Program to meet the criteria of Appendix "B", 10 CFR 50, at least once per 24 months.
  - e. The Facility Emergency Program at least once per 12 months.
  - f. The Facility Security Plan at least once per 12 months.
  - g. Any other area of facility operation considered appropriate by the NORB or the Vice President-Nuclear.
  - h. The Facility Fire Protection Program and implementing procedures at least once per 24 months.
  - i. An independent fire protection and loss prevention program inspection and audit of the unit at least once per 12 months utilizing either qualified offsite licensee personnel or an outside fire protection firm.
  - j. An inspection and audit of the unit fire protection and loss prevention program by a qualified outside fire consultant at least once per 36 months.
  - k. The radiological effluent and environmental monitoring programs and the results thereof at least once per 12 months.

## APPENDIX B

TO FACILITY LICENSE NO. NPF-8

JOSEPH M. FARLEY NUCLEAR PLANT

UNIT 2

SOUTHERN NUCLEAR OPERATING COMPANY

DOCKET NO. 50-364

ENVIRONMENTAL PROTECTION PLAN

1.0 Objectives of the Environmental Protection Plan

The Environmental Protection Plan (EPP) is to provide for protection of environmental values during construction and operation of the nuclear facility. The principal objectives of the EPP are as follows:

- (1) Verify that the plant is operated in an environmentally acceptable manner, as established by the FES and other NRC environmental impact assessments.
- (2) Coordinate NRC requirements and maintain consistency with other Federal,

  State and local requirements for environmental protection.
- (3) Keep NRC informed of the environmental effects of facility construction and operation and of actions taken to control those effects.

Environmental concerns identified in the FES which relate to water quality matters are regulated by way of the NPDES permit.

Changes and additions to the NPDES Permit or the State certification shall be reported to the NRC within 30 days following the date the change is approved. If a permit or certification, in part or in its entirety, is appealed and stayed, the NRC shall be notified within 30 days following the date the stay is granted.

The NRC shall be notified of changes to the effective NPDES Permit proposed by the permit holder by providing NRC with a copy of the proposed change at the same time it is submitted to the permitting agency. The notification of an initiated change shall include a copy of the requested revision submitted to the permitting agency. The licensee shall provide the NRC a copy of the application for renewal of the NPDES permit at the same time the application is submitted to the permitting agency.

Changes Required for Compliance with Other Environmental Regulations
Changes in plant design or operation and performance of tests or experiments
which are required to achieve compliance with other Federal, State, or local
environmental regulations are not subject to the requirements of Section 3.1.

Protection Agency and approved by State authorities and applied as directed by said authorities:

- i) Farley to Pickard-South 230KV
- ii) Farley to Webb to Pickard 230KV
- iii) Farley to Snowdown 500KV

Records shall be maintained concerning herbicide use. Such records shall include the following information: commercial and chemical names of materials used; concentration of active material in formulations diluted for field use; diluting substances other than water; rates of application; method and frequency of application; location; and the date of application. Such records shall be maintained for a period of 5 years and be made readily available to the NRC upon request. There shall be no routine reporting requirement associated with this condition.

# 4.2.3 Land Management

There shall be a land management program instituted at the FNP to provide for revegetation of site areas impacted during construction as described in Section 5.2 of the FES-OL. This program requires landscaping of certain areas around the plant buildings and the revegetation and management of the remainder of the site as a wildlife refuge. There shall be no reporting requirement associated with this condition.

#### 5.0 Administrative Procedures

#### 5.1 Review and Audit

Review and audit of compliance with the Environmental Protection Plan shall be provided. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organization structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

#### 5.2 Records Retention

Records and logs relative to the environmental aspects of plant operation shall be made and retained in a manner convenient for review and inspection. These records and logs shall be made available to NRC on request.

Records of modifications to plant structures, systems and components determined to potentially affect the continued protection of the environment shall be retained for the life of the plant. All other records, data and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.

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

## SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

# RELATED TO AMENDMENT NO. 90 TO FACILITY OPERATING LICENSE NO. NPF-2

### AND AMENDMENT NO. 83 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

SCLEAR REGUL

By letter dated May 6, 1991, as supplemented by letters dated June 18, June 20, September 27, October 14, and October 22, 1991, Alabama Power Company proposed amendments to Facility Operating License Nos. NPF-2 and NPF-8 for the Joseph M. Farley Nuclear Plant, Units 1 and 2 (FNP). The amendments would add Southern Nuclear Operating Company, Inc. (Southern Nuclear), as a licensee to the Facility Operating Licenses with the exclusive responsibility to act as the licensed operator of FNP. Southern Nuclear would manage, use, operate and maintain FNP, but would have no entitlement to power output from FNP and no authority to dispatch, broker, or market the energy generated. Alabama Power Company would continue to be the owner of FNP and would retain the authority to dispatch, broker or market the electricity generated by FNP.

The Notice of Consideration of Issuance of Amendment and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing in connection with this action was published in the Federal Register on September 19, 1991 (56 FR 47500). No request for hearing or petition for leave to intervene was filed following this notice. This proposed finding, based on the staff's review of the May 6, 1991, application, is not changed by Alabama Power Company's supplemental submittals dated June 18, June 20, September 27, October 14 and October 22, 1991. The supplemental submittals pertained to (1) FNP compliance with 10 CFR 73.56 regulations concerning unrestricted access authorization; (2) the naming of Joseph M. Farley as Chairman of the Board and Chief Executive Officer, and R. P. McDonald as President of Southern Nuclear; (3) a request that the amended license conditions be made effective within 90 days of the date of issuance and upon the official assumption of responsibilities by Southern Nuclear; (4) clarifying substitutions of "Southern Nuclear" for "the licensee" in the proposed amended licenses; and (5) deletion of unnecessary information requested in the proposed amended licenses.

# 2.0 DISCUSSION

Alabama Power Company and Southern Nuclear are wholly owned subsidiaries of The Southern Company. Southern Nuclear was formed in December 1990 to consolidate The Southern Company personnel engaged in nuclear operations into a single

integrated organization and is currently under contract with Alabama Power Company to provide offsite technical support for FNP. These support services include administrative, technical, and nuclear operations support. Under the proposed amendment, the present onsite organization responsible for the physical operation of FNP would be transferred intact to Southern Nuclear. These employees of Alabama Power Company would become employees of Southern Nuclear. Gains in operating efficiency are anticipated from the consolidation of onsite and offsite personnel engaged in nuclear operations in the Southern Nuclear organization.

## 3.0 EVALUATION

The Nuclear Regulatory Commission (NRC) staff's review of Alabama Power Company's proposed amendments included the following areas: management and technical qualifications, financial and antitrust considerations, plant security and handling of restricted data, offsite power availability, emergency planning, quality assurance and personnel training, and environmental protection. The effect of the proposed amendments on each of these areas is evaluated below.

## Management and Technical Qualifications

The proposed amendments will cause no change in the onsite personnel operating FNP, nor in the offsite Southern Nuclear personnel now providing support services. The onsite Alabama Power Company employees would become employees of Southern Nuclear. Alabama Power Company stated that although some position titles may change to reflect Southern Nuclear as the operator, there would be no change in responsibilities. Southern Nuclear is committed to maintaining the level of technical qualifications by employing or contracting, as necessary, the technically qualified personnel needed to operate FNP.

The supplemental letter of June 20, 1991, reported some organizational changes. On May 21, 1991, the Board of Directors of Southern Nuclear named Joseph M. Farley, the President and Chief Executive Officer of Southern Nuclear, as Chairman of the Board and Chief Executive Officer of Southern Nuclear. The Board of Directors of Southern Nuclear further acted by naming R. P. McDonald, the Executive Vice President of Southern Nuclear, as President of Southern Nuclear. Mr. McDonald will continue to serve as Executive Vice President of Alabama Power Company and Executive Vice President of Georgia Power Company. The position of Executive Vice President within Southern Nuclear no longer appears as a result of this organizational structure modification. The personnel who previously reported to the Executive Vice President of Southern Nuclear now report to the President. No other management changes were made and all other reporting lines remain the same.

These organizational changes would have no adverse effect on the management of FNP: therefore, we find them acceptable.

On the basis of the above considerations, the NRC staff concludes that the proposed amendments would not result in significant changes to management or the technical qualifications of FNP onsite or offsite personnel. In these areas, therefore, the proposed amendments are acceptable.

## Financial Considerations

Cost recovery for the operation of FNP will remain the same as before the license amendments. Alabama Power Company will continue to have entitlement to all electrical output from FNP. Alabama Power Company is regulated by the Alabama Public Service Commission and the Federal Energy Regulatory Commission. Rate regulation will continue as before the license amendments.

Alabama Power Company and Southern Nuclear will establish responsibility for plant costs. Southern Nuclear will be reimbursed for costs of direct operation of FNP by Alabama Power Company. Other expenses of Southern Nuclear which are not direct charges to FNP will be allocated to Alabama Power Company and others for whom the expenses are incurred.

With Southern Nuclear as the licensed operator, Alabama Power Company will commit to provide all funds necessary for expenses accrued by Southern Nuclear for the safe operation, construction, maintenance, repair, decontamination, and decommissioning of FNP. Because the owner and the sources of funds will remain unchanged, cost recovery of operating, maintenance or decommissioning costs will remain the same as at present with Alabama Power Company as the operator.

The NRC staff believes that there will be no safety consequences from the proposed arrangements for funding of operating, maintenance, and decommissioning costs of FNP. Thus, the staff concludes that the financial arrangements of the proposed action will not adversely affect protection of the public health and safety.

## Antitrust Considerations

Several potential antitrust concerns were raised by the staff in response to Alabama Power Company's proposal to change the FNP operator from Alabama Power Company to Southern Nuclear. These concerns were resolved when Alabama Power Company and Southern Nuclear agreed to the addition of the following license condition to paragraph 2.F of the FNP licenses:

Southern Nuclear shall not market or broker power or energy from Joseph M. Farley Nuclear Plant, Units 1 and 2. Alabama Power Company shall continue to be responsible for compliance with the obligations imposed on it by the antitrust conditions contained in this paragraph 2.F. of the license. Alabama Power Company shall be responsible and accountable for the actions of its agent, Southern Nuclear, to the extent said agent's actions may, in any way. contravene the antitrust conditions of this paragraph 2.F.

This license condition is additive in that Alabama Power Company will continue to be subject to the existing antitrust license conditions. Moreover, Alabama Power Company will now be responsible and accountable for the actions of Southern Nuclear relative to the antitrust license conditions. The NRC staff believes the addition of this license condition to the FNP licenses will effectively preclude Southern Nuclear from adversely impacting the competitive process in the relevant bulk power services market served by FNP.

By letter dated October 15, 1991, the Alabama Municipal Electric Authority (AMEA), through its counsel, Goldberg, Fieldman and Letham, P.C., responded to the staff's Biweekly Notice Applications and Amendments to Operating Licenses involving No Significant Hazards Considerations which was published in the Federal Register on September 19, 1991 (56 FR 47500). In its letter, AMEA expressed support for the inclusion of the above antitrust license condition in the FNP operating licenses.

## Plant Security and Restricted Data

The letter of June 18, 1991, provided information concerning unrestricted access authorization to the FNP site when the existing plant personnel cease being employees of Alabama Power Company and become employees of Southern Nuclear. Alabama Power Company indicated that, in accordance with 10 CFR Part 73.56, existing plant personnel whose unescorted access authorization for FNP has been uninterrupted for at least 180 days prior to April 25, 1991, will continue to have such authorization without further evaluation. The NRC staff agrees that this meets the requirements of 10 CFR 73.56. There would be no other changes in regulations or practices related to plant security and the handling of restricted data, since Southern Nuclear will accept responsibility for the implementation of the present programs in these areas and the same personnel would be involved.

#### Offsite Power

The amendment application involves no change in the ownership or design of the offsite power system for FNP, or in its operation, maintenance or testing. Alabama Power Company will continue to fulfill its current responsibilities with respect to compliance with General Design Criterion (GDC) 17. Agreements between Southern Nuclear and Alabama Power company will specify arrangements for controlling operation, maintenance, repair, and other activities with respect to the transmission lines and the switchyard, so adequate independent sources of offsite power will continue to be provided.

The NRC staff concludes that the proposed license amendments will have no adverse effect with regard to meeting the requirements of GDC 17.

# **Emergency Planning**

Upon approval of the proposed license amendments, Southern Nuclear will become responsible and have the authority for all functions necessary to fulfill the emergency planning requirements specified in 10 CFR 50.47(b) and Part 50, Appendix E. Plans and service agreements will be established to ensure that all support described in the existing emergency plan will be maintained. Control over existing agreements for support from offsite organizations and agencies would be assigned or delegated by Alabama Power Company to Southern Nuclear prior to transfer of responsibility.

A significant amount of offsite emergency planning support will continue to be provided by Alabama Power Company. The required support will be assured by service agreements between Southern Nuclear and Alabama Power Company.

The NRC staff concludes that these provisions for meeting the emergency planning requirements are acceptable.

## Quality Assurance and Training

Upon approval of the proposed amendments, Southern Nuclear will become responsible for the FNP quality assurance program and the existing personnel training programs. The function and structure of the quality assurance program will not be affected by the proposed amendments; and it will continue to meet the requirements of 10 CFR Part 50, Appendix B. The training programs will continue to meet the operator requalification program requirements of 10 CFR 50.54 and related sections, and to meet the requirements for maintenance of the Institute of Nuclear Power Operations accreditation for licensed and non-licensed training.

The NRC staff concludes that approval of the proposed amendments will not adversely affect the FNP quality assurance and training programs.

#### Environmental Protection Plan

The proposed amendments provide for changes in organizational responsibility for some aspects of the Environmental Protection Plan (EPP), Appendix B, to Operating License Nos. NPF-2 and NPF-8. The proposed amendments do not amend the obligations and responsibility for compliance with the elements of the approved EPP. Therefore, the staff concludes that the proposed changes are acceptable.

## 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the State of Alabama official was notified of the proposed issuance of the amendment. The State official had no comments.

#### 4.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an Environmental Assessment and Finding of No Significant Impact has been prepared and published in the Federal Register on November 15, 1991 (56 FR 58096). Accordingly, based upon the Environmental Assessment, the Commission has determined that the issuance of this amendment will not have a significant effect on the quality of the human environment.

#### 5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: S. S. Kirslis

S. T. Hoffman

D. A. Nash

M. A. Biamonte

Date: November 22, 1991