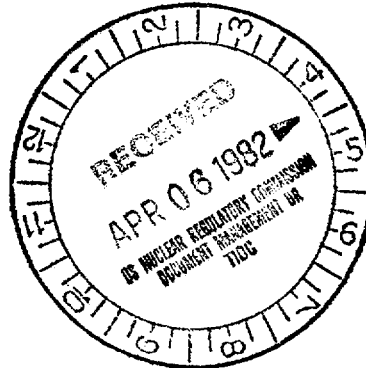


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MAR 31 1982

Docket No. 50-364



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

Dear Mr. Clayton:

The Commission has issued the enclosed Amendment No. 12 to Facility Operating License No. NPF-8 for the Joseph M. Farley Nuclear Plant, Unit No. 2. The amendment consists of changes to the license in response to your application transmitted by letter dated February 11, 1982.

The amendment extends a license condition schedule completion of one of five shielding additions for vital area access and protection of safety equipment following an accident resulting in a degraded core. The extension allows additional time of about six months, or less if cold shutdown conditions exist of sufficient duration to allow the final shielding additions to be made.

We made minor modifications to your proposal which have been discussed with and agreed to by your staff.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

ORIGINAL SIGNED

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

Enclosures:

1. Amendment No. 12 to NPF-8
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
 See next page

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DATE	03/31/82	03/31/82	03/31/82	03/31/82	03/31/82	03/31/82	03/31/82

Mr. F. L. Clayton
Alabama Power Company

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

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

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

Chairman
Houston County Commission
Dothan, Alabama 36301

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

George S. Houston Memorial Library
212 W. Burdeshaw Street
Dothan, Alabama 36303

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

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

Regional Radiation Representatives
EPA Region IV
345 Courtland Street, N.E.
Atlanta, Georgia 30308

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Vice President - Nuclear Generation
Alabama Power Company
P.O. Box 2641
Birmingham, Alabama 35291

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



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

ALABAMA POWER COMPANY

DOCKET NO. 50-364

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 12
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 February 11, 1982, 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 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.

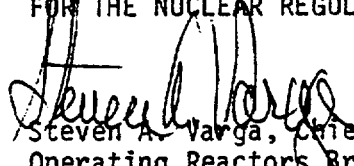
2. Accordingly, paragraph 2.C.(21)(c) of Facility Operating License No. NPF-8 are hereby amended to read as follows:

(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.

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

FOR THE NUCLEAR REGULATORY COMMISSION


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

Attachment:
Changes to Technical
Specifications

Date of Issuance: March 31, 1982



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 12 TO FACILITY OPERATING LICENSE NO. NPF-8

ALABAMA POWER COMPANY

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NO. 2

DOCKET NO. 50-364

Introduction

In accordance with the Unit No. 2 Facility Operating License, NPF-8, paragraph 2.C(21)(c), Alabama Power Company (APCo) was required to complete certain plant modifications by April 1, 1982. These modifications involved plant shielding additions for vital area access and protection of safety equipment following an accident resulting in a degraded core. NUREG-0737 Item II.B.2.2 identifies the need for such modifications.

By letter dated February 11, 1982, APCo advised that the April 1, 1982 commitment date was based on a scheduled two week outage during Spring 1982 and receipt of the expected materials. APCo further stated that of the five major modifications to satisfy the license commitment four are completed and one not completed. The exception is the electrical penetration room modifications requiring electrical disconnect installation to operate eight motor operated valves and shielding of the room door.

APCo requested an extension in the February 11, 1982 letter in time from the previous acceptable completion date of April 1, 1982 until the first refueling outage or the first extended cold shutdown of sufficient duration to complete this work. Our evaluation is as follows.

Discussion and Evaluation

In our Safety Evaluation Report (SER) Supplement No. 5 page 22.5-5 and 22.5-6 we discuss NUREG-0737 Item II.8.2 Plant-Shielding. At that time, the licensee committed to complete the modifications at the first outage of sufficient duration but no later than March 1982. We found this acceptable. However, although the licensee has completed four of the five modifications, material unavailability precluded completion of the final modifications during the recent shutdown which was completed on March 1, 1982.

The remaining modifications to the electrical penetration room include final installation of electrical disconnects for eight motor operated valves and installing shielding for the room door. We agree that the licensee has made a diligent effort to accomplish all five of the modifications. We understand that material is now on hand and the licensee would accomplish the changes if a cold shutdown of sufficient duration occurred for other reasons.

On this basis, and since a postulated accident resulting in a degraded core is a highly unlikely event during the short period of time requested, we consider the licensee's request acceptable. However, we consider that the modifications should be made promptly in the event of the occurrence of a cold shutdown period of sufficient duration after material availability even if prior to the scheduled refueling outage. We have modified License Condition 2.C(21)(c) accordingly and the licensee staff agrees with our change.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: March 31, 1982

This review was accomplished by E. . Reeves.

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-364ALABAMA POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 12 to Facility Operating License No. NPF-8 issued to Alabama Power Company (the licensee), which revises License No. NPF-8 for operation of the Joseph M. Farley Nuclear Plant, Unit No. 2 (the facility) located in Houston County, Alabama. The amendment is effective as of the date of issuance.

The amendment extends a license condition schedule for completion of one of five shielding additions for vital area access and protection of safety equipment following an accident resulting in a degraded core. The extension allows additional time of about six months, or less if cold shutdown conditions exist of sufficient duration to allow the final shielding additions to be made.

The application for amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since this amendment does not involve a significant hazards consideration.

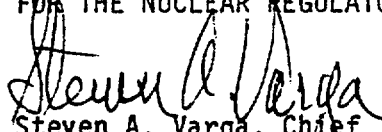
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The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to the action, see (1) the application for amendment dated February 11, 1982, (2) Amendment No. 12 to License No. NPF-8, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the George S. Houston Memorial Library, 212 W. Burdeshaw Street, Dothan, Alabama 36303. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland this 31st day of March, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


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