

Docket Nos. 50-313
and 50-368

December 18, 1991

Mr. Neil S. Carns
Vice President, Operations ANO
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Dear Mr. Carns:

SUBJECT: ISSUANCE OF AMENDMENT NOS. 155 AND 128 TO FACILITY OPERATING LICENSE
NOS. DPR-51 AND NPF-6 - ARKANSAS NUCLEAR ONE, UNITS 1 AND 2
(TAC NOS. M76939 AND M76940)

The Commission has issued the enclosed Amendment Nos. 155 and 128 to Facility Operating License Nos. DPR-51 and NPF-6 for the Arkansas Nuclear One, Unit Nos. 1 and 2 (ANO-1&2). These amendments consist of changes to the Arkansas Nuclear One Industrial Security Plan in response to your applications dated May 22, 1990, as revised September 5, 1991.

The amendments involve the perimeter improvement project at ANO-1&2 and the deletion of a vital area from the physical security plan commitments.

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

Sincerely,

151
Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III, IV and V
Office of Nuclear Reactor Regulation

151
Sheri R. Peterson, Project Manager
Project Directorate IV-1
Division of Reactor Projects III, IV, and V
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 155 to DPR-51
- 2. Amendment No. 128 to NPF-6
- 3. Safety Evaluation

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ACRS(10)(MSP315)	GPA/PA(MS2G5)	ARM/LFMB(MS4503)	

OFC	:PD4-1/LA	:PD4-1/PM	:PD4-1/PM	:OGC	:PD4-1/D
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

Handwritten signature of Thomas W. Alexion in cursive.

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III, IV and V
Office of Nuclear Reactor Regulation

Handwritten signature of Sheri R. Peterson in cursive.

Sheri R. Peterson, Project Manager
Project Directorate IV-1
Division of Reactor Projects III, IV, and V
Office of Nuclear Reactor Regulation

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3. Safety Evaluation

cc w/enclosures:
See next page

Mr. Neil S. Carns
Entergy Operations, Inc.

Arkansas Nuclear One, Units 1 & 2

cc:

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Honorable Joe W. Phillips
County Judge of Pope County
Pope County Courthouse
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Ms. Greta Dicus, Director
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Arkansas Department of Health
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Little Rock, Arkansas 72205-3867



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

ENERGY OPERATIONS, INC.

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 155
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Entergy Operations, Inc. (the licensee) dated May 22, 1990, as revised September 5, 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 license is amended as indicated in the attachment to this license amendment, and Paragraph 2.c.(4) of Facility Operating License No. DPR-51 is hereby amended to read as follows:

(4) Physical Protection

EOI 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: "Arkansas Nuclear One Industrial Security Plan," with revisions submitted through September 5, 1991; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 23, 1991; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through November 16, 1990. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

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

FOR THE NUCLEAR REGULATORY COMMISSION



John T. Larkins, Director
Project Directorate IV-1
Division of Reactor Projects III, IV, and V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the License

Date of Issuance: December 18, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 155

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

Revise the following page of the Facility Operating License with the attached page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

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(4) Physical Protection

EOI 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: "Arkansas Nuclear One Industrial Security Plan," with revisions submitted through September 5, 1991; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 23, 1991; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through November 16, 1990. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

(5) Systems Integrity

EOI shall implement a program to reduce leakage from systems outside containment that would or could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. This program shall include the following:

1. Provisions establishing preventive maintenance and periodic visual inspection requirements, and
2. Integrated leak test requirements for each system at a frequency not to exceed refueling cycle intervals.

(6) Iodine Monitoring

EOI shall implement a program which will ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident conditions. This program shall include the following:

1. Training of personnel,
2. Procedures for monitoring, and
3. Provisions for maintenance of sampling and analysis equipment.



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

ENERGY OPERATIONS, INC.

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 128
License No. NPF-6

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Entergy Operations, Inc. (the licensee) dated May 22, 1990, as revised September 5, 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 license is amended as indicated in the attachment to this license amendment, and Paragraph 2.D of Facility Operating License No. NPF-6 is hereby amended to read as follows:

D. Physical Protection

EOI 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: "Arkansas Nuclear One Industrial Security Plan," with revisions submitted through September 5, 1991; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 23, 1991; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through November 16, 1990. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

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

FOR THE NUCLEAR REGULATORY COMMISSION



John T. Larkins, Director
Project Directorate IV-1
Division of Reactor Projects III, IV, and V
Office of Nuclear Reactor Regulation

Attachment:
Changes to the License

Date of Issuance: December 18, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 128

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Revise the following page of the Facility Operating License with the attached page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

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2.C.(4) (Number has never been used.)

- (5) EOI shall implement a program to reduce leakage from systems outside containment that would or could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. This program shall include the following:
 1. Provisions establishing preventative maintenance and periodic visual inspection requirements, and
 2. Integrated leak test requirements for each system at a frequency not to exceed refueling cycle intervals.
- (6) EOI shall implement a program which will ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident conditions. This program shall include the following:
 1. Training of personnel,
 2. Procedures for monitoring, and
 3. Provisions for maintenance of sampling and analysis equipment.

2.C.(7) Deleted per Amendment 78, 7/22/86.

(8) Antitrust Conditions

EOI shall not market or broker power or energy from Arkansas Nuclear One, Unit 2. AP&L is responsible and accountable for the actions of its agents to the extent said agent's actions affect the marketing or brokering of power or energy from ANO, Unit 2.

(9) Rod Average Fuel Burnup

Entergy Operations is authorized to operate the facility with an individual rod average fuel burnup (burnup averaged over the length of a fuel rod) not to exceed 60 megawatt-days/kilogram of uranium.

D. Physical Protection

EOI 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: "Arkansas Nuclear One Industrial Security Plan," with revisions submitted through September 5, 1991; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 23, 1991; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through November 16, 1990. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 155 AND 128 TO

FACILITY OPERATING LICENSE NOS. DPR-51 AND NPF-6

ENERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT NOS. 1 AND 2

DOCKET NOS. 50-313 AND 50-368

1.0 INTRODUCTION

By letter dated May 22, 1990, as revised September 5, 1991, Entergy Operations, Inc. (the licensee) submitted a request for changes to the Arkansas Nuclear One, Unit Nos. 1 and 2 (ANO-1&2), Operating License Nos. DPR-51 and NPF-6. The requested changes would modify the ANO Industrial Security Plan to delete a vital area at the site as a result of the perimeter upgrade project.

2.0 EVALUATION

The licensee's proposed modification to delete a specific vital area from the current physical security plan commitments will not alleviate the licensee from other security requirements associated with this area. The licensee has committed to retain the existing security lighting, CCTV, fences, patrols, and to provide compensatory measures when necessary. This change will not affect methods in which security equipment is operated, maintained, tested, responded to, or compensated for.

Accordingly, the staff finds the proposed changes to be acceptable provided that the licensee continues to operate, maintain, and test the security equipment that remains in place at this location. In addition, the licensee will be required to respond to alarms and implement compensatory measures when appropriate.

It is the staff's determination that the amendment to the Arkansas Nuclear One Industrial Security Plan, which is described in the September 5, 1991, letter from the licensee, does not increase the risk of sabotage at the facility, and that the plan continues to satisfy 10 CFR Part 73.55 requirements.

3.0 STATE CONSULTATION

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

4.0 ENVIRONMENTAL CONSIDERATION

The amendments are related solely to safeguards matters and do not involve any significant construction impacts. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(12). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

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 amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: B. Mendelsohn
R. Manili

Date: December 18, 1991