

April 7, 1995

Mr. Jerry W. Yelverton  
Vice President, Operations ANO  
Entergy Operations, Inc.  
Route 3 Box 137G  
Russellville, AR 72801

SUBJECT: ISSUANCE OF AMENDMENT NOS. 180 AND 161 TO FACILITY OPERATING LICENSE  
NOS. DPR-51 AND NPF-6 - ARKANSAS NUCLEAR ONE, UNITS 1 AND 2  
(TAC NOS. M90877 AND M90878)

Dear Mr. Yelverton:

The Commission has issued the enclosed Amendment Nos. 180 and 161 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 August 30, 1994, as supplemented January 19, 1995.

The amendments change requirements related to the site perimeter security system.

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,

ORIGINAL SIGNED BY:

George Kalman, Senior Project Manager  
Project Directorate IV-1  
Division of Reactor Projects- III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-313 and 50-368

Enclosures: 1. Amendment No. 180 to DPR-51  
2. Amendment No. 161 to NPF-6  
3. Safety Evaluation

cc w/encls: See next page

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Document Name: AR90877.AMD

OFC	LA/PD4-1	PM/PD4-1	OGC
NAME	PNoonan	GKalman	OGC
DATE	4/12/95	4/12/95	4/12/95
COPY	YES/NO	YES/NO	YES/NO

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 28, 1995

Mr. Jerry W. Yelverton  
Vice President, Operations ANO  
Energy Operations, Inc.  
Route 3 Box 137G  
Russellville, AR 72801

SUBJECT: ISSUANCE OF AMENDMENT NOS. 180 AND 161 TO FACILITY OPERATING LICENSE  
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The amendments change requirements related to the site perimeter security system.

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Sincerely,

A handwritten signature in cursive script that reads "George Kalman".

George Kalman, Senior Project Manager  
Project Directorate IV-1  
Division of Reactor Projects- III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-313 and 50-368

Enclosures: 1. Amendment No. 180 to DPR-51  
2. Amendment No. 161 to NPF-6  
3. Safety Evaluation

cc w/encs: See next page

Mr. Jerry W. Yelverton  
Entergy Operations, Inc.

Arkansas Nuclear One, Units 1 & 2

cc w/encl:

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London, AR 72847

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

Honorable C. Doug Lunningham  
County Judge of Pope County  
Pope County Courthouse  
Russellville, AR 72801



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

ENERGY OPERATIONS, INC.

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 180  
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 August 30, 1994, as supplemented January 19, 1995, 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.

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2. Accordingly, the license is amended by changes to Paragraph 2.C.(4) of Facility Operating License No. DPR-51 and is hereby amended to read as follows:

(4) Physical Protection

EOL 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 January 19, 1995; "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



George Kalman, Senior Project Manager  
Project Directorate IV-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Attachment: Changes to the License

Date of Issuance: April 28, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 180

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

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

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(4) Physical Protection

EUI 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 January 19, 1995; "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

EUI 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) EUI shall implement a program which will ensure the capability to accurately determine the airborne iodine concentration in vital areas under accident condition. 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. 20555-0001

ENTERGY OPERATIONS, INC.

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 161  
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 August 30, 1994, as supplemented January 19, 1995, 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 by changes to Paragraph 2.(D) of Facility Operating License No. NPF-6 and is hereby amended to read as follows:

(D) Technical Specifications

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 January 19, 1995; "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



George Kalman, Senior Project Manager  
Project Directorate IV-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Attachment: Changes to the License

Date of Issuance: April 28, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 161

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Revise the following page of the License with the attached page. The revised page is identified by Amendment number and contains a vertical line 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

Energy 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 or 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 January 19, 1995; "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. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NOS. 180 AND 161 TO  
FACILITY OPERATING LICENSE NOS. DPR-51 AND NPF-6  
ENTERGY OPERATIONS, INC.  
ARKANSAS NUCLEAR ONE, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-313 AND 50-368

1.0 INTRODUCTION

By letter dated August 30, 1994, as supplemented January 19, 1995, 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. These revisions provide explicit details which would allow design changes to the intake structure to restrict unauthorized access at ANO-1&2.

2.0 EVALUATION

The licensee's proposal to modify and add additional delay features to deter attempts at unauthorized entry to the intake structure protected area perimeter barrier was analyzed by NRC headquarters staff. It was determined that these changes, in conjunction with the existing assessment and detection capabilities, will continue to provide adequate coverage and protection levels to the protected area perimeter barrier at the intake structure.

3.0 FINDINGS

It is the staff's determination that the amendment to the Arkansas Nuclear One Industrial Security Plan, as described in the licensee's letters of August 30, 1994, as supplemented January 19, 1995, does not increase the risk of sabotage at the facility. The plan continues to satisfy 10 CFR Part 73.55 requirements.

4.0 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.

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## 5.0 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.

## 6.0 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 Contributor: Robert B. Manili

Date: April 28, 1995