

Docket



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

December 14, 1989

Docket Nos. 50-313  
and 50-368

Mr. T. Gene Campbell  
Vice President, Nuclear  
Arkansas Power and Light Company  
P. O. Box 551  
Little Rock, Arkansas 72203

Dear Mr. Campbell:

SUBJECT: ISSUANCE OF AMENDMENT NOS. 128 AND 102 TO FACILITY OPERATING  
LICENSE NOS. DPR-51 AND NPF-6 - ARKANSAS NUCLEAR ONE, UNITS 1  
AND 2 (TAC NOS. 68435 AND 68436)

The Commission has issued the enclosed Amendment Nos. 128 and 102 to Facility Operating License Nos. DPR-51 and NPF-6 for the Arkansas Nuclear One, Unit Nos. 1 and 2 (ANO-1 and ANO-2). The amendment consists of changes to the License Conditions in response to your application dated July 1, 1988 as supplemented by letter dated August 15, 1989.

The amendments change and add License Conditions to reflect the transfer of operations and maintenance of the Arkansas Nuclear One, Unit Nos. 1 and 2 to Entergy Operations, Inc. (EOI). Arkansas Power and Light Company (AP&L) will remain as the owner of the facilities.

We have reviewed the operating agreement between SERI (now EOI) and AP&L and have determined that it is not appropriate to require it by a license condition. AP&L and EOI are joint licensees under the facility operating license condition, each responsible for specific areas and jointly responsible for regulatory compliance and response. The operating agreement between AP&L and EOI will not circumvent these responsibilities. Finally, since EOI is to be operator of the plants, we intend to communicate on most all matters with EOI. However, EOI is expected to communicate with AP&L to provide data, information, and other support, as may be necessary, to enable AP&L to satisfactorily discharge any responsibilities it may have as owner of the plants, with regard to maintaining regulatory compliance.

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

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Mr. T. Gene Campbell

-2-

Two copies of Amendment No. 11 to Indemnity Agreement No. B-65 which covers the activities authorized under License Nos. DPR-31 and NPF-6 are also enclosed. Please countersign all copies and return one signed copy of Amendment No. 11 to this office.

Sincerely,

151

Dennis M. Crutchfield, Associate Director  
for Special Projects  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No.128 to DPR-51
2. Amendment No.102 to NPF-6
3. Safety Evaluation
4. Amendment No. 11 to Indemnity Agreement No. B-65

cc w/enclosures:  
See next page

DISTRIBUTION:

Docket File	JCalvo	PNoonan	ACRS (10)	NRC PDR
TMeek (4)	CHarback (2)	GPA/PA	Local PDR	Wanda Jones
FHebdon	ARM/LFMB	PD4 Reading		OGC-Rockville
DHagan	EJordan	Plant File	CPoslusny (2)	FHebdon

LTR NAME: ANO AMENDMENT SERI

PD4/LA  
PNoonan  
09/20/89

PD4/PM  
DWiggin:bj  
09/21/89

PD4/PM  
CHarback  
09/17/89  
10

PD4/PM  
CPoslusny  
09/17/89  
10

PTSP  
CThomas  
09/ /89

*DM 11-27-89  
LW 11/27/89*

OGC-Rockville  
3. Rutberg  
09/27/89

PD4/DJ  
FHebdon  
09/27/89

ADSP  
DCrutchfield  
12/14/89

" VOGC

Subject to the insertion of a response to the antitrust  
comments received by the Staff once the response has received OGC  
concurrence.

Mr. T. Gene Campbell

-2-

Two copies of Amendment No. 11 to Indemnity Agreement No. B-65 which covers the activities authorized under License Nos. DPR-31 and NPF-6 are also enclosed. Please countersign all copies and return one signed copy of Amendment No. 11 to this office.

Sincerely,

  
Dennis M. Crutchfield, Associate Director  
for Special Projects  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 128 to DPR-51
2. Amendment No. 102 to NPF-6
3. Safety Evaluation
4. Amendment No. 11 to Indemnity Agreement No. B-65

cc w/enclosures:  
See next page

Mr. T. Gene Campbell  
Arkansas Power & Light Company

Arkansas Nuclear One  
Unit Nos. 1 and 2

CC:

Mr. Early Ewing, General Manager  
Technical Support and Assessment  
Arkansas Nuclear One  
P. O. Box 608  
Russellville, Arkansas 72801

Mr. Charles B. Brinkman, Manager  
Washington Nuclear Operations  
Combustion Engineering, Inc.  
12300 Twinbrook Parkway, Suite 330  
Rockville, Maryland 20852

Mr. Neil Carns, Director  
Nuclear Operations  
Arkansas Nuclear One  
P. O. Box 608  
Russellville, Arkansas 72801

Honorable Joe W. Phillips  
County Judge of Pope County  
Pope County Courthouse  
Russellville, Arkansas 72801

Nicholas S. Reynolds, Esq.  
Bishop, Cook, Purcell  
& Reynolds  
1400 L Street, N.W.  
Washington, D.C. 20005-3502

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
Office of Executive Director for  
Operations  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
1 Nuclear Plant Road  
Russellville, Arkansas 72801

Ms. Greta Dicus, Director  
Division of Environmental Health  
Protection  
Arkansas Department of Health  
4815 West Markam Street  
Little Rock, Arkansas 72201

Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
1700 Rockville Pike, Suite 525  
Rockville, Maryland 20852



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

ARKANSAS POWER AND LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT 1

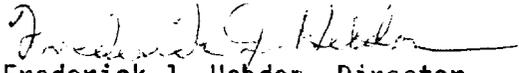
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 128  
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power and Light Company (the licensee) dated July 1, 1988 as supplemented by letter dated August 15, 1989, 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, the license is amended by changes to the License Conditions as indicated in the attachment to this license amendment.
3. This license amendment is effective as of its date of issuance. The license conditions are effective within 180 days of the date of issuance and upon the official transfer of responsibilities between the Arkansas Power & Light Company and Entergy Operations, Inc.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Frederick J. Hebdon, Director  
Project Directorate IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Attachment:  
Charges to the License  
Conditions

Date of Issuance: December 14, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 128  
TO FACILITY OPERATING LICENSE NO. DPR-51  
DOCKET NO. 50-313

Replace the following pages of the License with the attached pages. The revised pages contain vertical lines indicating the areas of change.

Remove

Page 1 thru 3b

Insert

Pages 1 thru 5



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

ARKANSAS POWER AND LIGHT COMPANY

ENTERGY OPERATIONS, INC.

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT 1

FACILITY OPERATING LICENSE

License No. DPR-51  
Amendment No. 128

1. The Atomic Energy Commission (the Commission) having found that:
  - a. The application for license filed by the Arkansas Power and Light Company (AP&L) 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 Arkansas Nuclear One, Unit 1 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-57, 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. Entergy Operations, Inc. (EOI)\* is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
  - f. AP&L 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 costs and considering available alternatives, the issuance of Facility Operating License No. DPR-51 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D 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 Section 30.33, 40.32, 70.23 and 70.31.
2. Facility Operating License No. DPR-51 is hereby issued to the Arkansas Power and Light Company and Entergy Operations, Inc. to read as follows:
- a. This license applies to Arkansas Nuclear One, Unit 1, a pressurized water reactor and associated equipment (the facility), owned by the Arkansas Power and Light Company. The facility is located in Pope County, Arkansas and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 1 through 45) and the Environmental Report as supplemented and amended (Supplements 1 through 5).
  - b. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
    - (1) AP&L, pursuant to Section 104b of the Act and 10 CFR Part 50, to possess but not operate the facility at the designated location in Pope County, Arkansas in accordance with the procedures and limitations set forth in this license.
    - (2) EOI, pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location in Pope County, Arkansas in accordance with the procedures and limitations set forth in this license;
    - (3) EOI, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time at the facility site and as designated solely for the facility, 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) EOI, 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) EOI, 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;
  - (6) EOI, 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; 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  
EOI is authorized to operate the facility at steady state reactor core power levels not in excess of 2054 megawatts thermal.
  - (2) Technical Specifications  
The Technical Specifications contained in Appendix A, as revised through Amendment No. 127 are hereby incorporated in the license. EOI shall operate the facility in accordance with the Technical Specifications.
  - (3) AP&L\* may proceed with and is required to complete the modifications identified in Paragraphs 3.1 through 3.19 of the NRC's Fire Protection Safety Evaluation (SE) on the facility dated August 22, 1978 and supplements thereto. These modifications shall be completed as specified in Table 3.1 of the Safety Evaluation Report or supplements thereto. In addition, the licensee may proceed with and is required to complete the modifications identified in Supplement 1 to the Fire Protection Safety Evaluation Report, and any future supplements. These modifications shall be completed by the dates identified in the supplement.

\*The original licensee authorized to possess, use, and operate the facility was AP&L. Consequently, certain historical references to AP&L remain in the license conditions.

(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 Physical Security Plan," with revisions submitted through February 24, 1988; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 20, 1985; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through May 30, 1980. 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.

(7) Secondary Water Chemistry Monitoring

A secondary water chemistry monitoring program shall be implemented to minimize steam generator tube degradation. This program shall include:

1. Identification of a sampling schedule for the critical parameters and control points for these parameters;
  2. Identification of the procedures used to measure the values of the critical parameters;
  3. Identification of process sampling points;
  4. Procedures 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 a corrective action.
3. This license is effective as of the date of issuance and shall expire at midnight, December 6, 2008.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by  
A. Giambusso

A. Giambusso, Deputy Director  
for Reactor Projects  
Directorate of Licensing

Attachment:  
Appendices A and B - Technical  
Specifications

Date of Issuance: May 21, 1974



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

ARKANSAS POWER AND LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

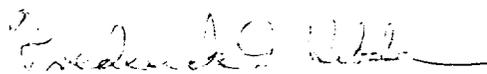
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 102  
License No. NPF-6

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power and Light Company (the licensee) dated July 1, 1988 as supplemented by letter dated August 15, 1989, 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, the license is amended by changes to the License Conditions as indicated in the attachment to this license amendment.
3. This license amendment is effective as of its date of issuance. The license conditions are effective within 180 days of the date of issuance and upon the official transfer of responsibilities between the Arkansas Power & Light Company and Entergy Operations, Inc.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Frederick J. Hebdon, Director  
Project Directorate IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the License  
Conditions

Date of Issuance: December 14, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 102  
TO FACILITY OPERATING LICENSE NO. NPF-6  
DOCKET NO. 50-368

Replace the following pages of the License with the attached pages. The revised pages contain vertical lines indicating the areas of change.

Remove

Pages 1 thru 9

Insert

Pages 1 thru 9



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

ARKANSAS POWER AND LIGHT COMPANY

ENTERGY OPERATIONS, INC.

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

FACILITY OPERATING LICENSE

License No. NPF-6  
Amendment No. 102

1. The Nuclear Regulatory Commission (the Commission) having found that:
  - A. The issuance of this license amendment to Arkansas Power and Light Company (AP&L) 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;
  - B. Construction of Arkansas Nuclear One, Unit 2 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-89, and the application, as amended, the provisions of the Act and the regulations of the Commission;
  - C. The facility requires exemptions from certain requirements of (1) Sections 50.55a(g)(2) and 50.55a(g)(4) of 10 CFR Part 50, (2) Appendices G and H to 10 CFR Part 50 and (3) Appendix J to 10 CFR Part 50 for a period of three years. These exemptions are described in the Office of Nuclear Reactor Regulation's safety evaluations supporting the granting of these exemptions which are enclosed in the letter transmitting this license amendment. These exemptions are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. The exemptions are, therefore, hereby granted. With the granting of these exemptions, 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 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 regulations of the Commission;
  - E. Entergy Operations, Inc. (EOI)\* is technically and financially qualified to engage in the activities authorized by this operating license in accordance with the regulations of the Commission;

- F. AP&L 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 amended 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-6 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, 70.32 and 70.31.
2. Facility Operating License No. NPF-6 is hereby issued to Arkansas Power and Light Company and Entergy Operations, Inc. to read as follows:
- A. This amended license applies to Arkansas Nuclear One, Unit 2, a pressurized water reactor and associated equipment (the facility) owned by the Arkansas Power and Light Company. The facility is located in Pope County, Arkansas and is described in the Final Safety Analysis Report as supplemented and amended (Amendments 20 through 47) and the Environmental Report as supplemented and amended (Amendments 1 through 7).
  - B. Subject to the Conditions and requirements incorporated herein, the Commission hereby licenses;
    - (1) AP&L pursuant to Section 103 of the Act and 10 CFR Part 50, to possess but not operate the facility at the designated location in Pope County, Arkansas in accordance with the procedures and limitations set forth in this license.
    - (2) EOI, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location in Pope County, Arkansas in accordance with the procedures and limitations set forth in this amended license;
    - (3) EOI, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time at the facility site and as designated solely for the facility, 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) EOI, 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) EOI, 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) EOI, 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 amended 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

EOI is authorized to operate the facility at steady state reactor core power levels not in excess of 2815 megawatts thermal. Prior to attaining this power level EOI shall comply with the conditions in Paragraph 2.C.(3).

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 101, are hereby incorporated in the license. EOI shall operate the facility in accordance with the Technical Specifications.

Exemptive 2nd paragraph of 2.C.2 deleted per Amendment 20, 3/3/81.

(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.

2.C.(3)(a) Deleted per Amendment 24, 6/19/81.

(b) Fire Protection

E01 shall maintain in effect and fully implement all provisions of the approved fire protection program. The approved fire protection program consists of the licensee's\* documents as follows:

<u>Date</u>	<u>Document</u>
-	Final Safety Analysis Report Section 9.5.1 through Amendment 47 dated June 16, 1978
May 17, 1977	AP&L letter submitting a comparison of the ANO-2 Fire Protection Program to Branch Technical Position 9.5-1.
August 30, 1977	AP&L letter transmitting the Fire Hazards Analysis and responses to staff questions.
September 21, 1977	AP&L letter transmitting responses to staff questions and positions
October 26, 1977	AP&L letter transmitting Fire Hazards Analysis Information and responses to staff questions and positions.
February 3, 1978	AP&L letter transmitting Fire Hazards Analysis Information
February 28, 1978	AP&L letter transmitting Administrative Controls Information
March 31, 1978	AP&L letter transmitting responses to staff questions
April 12, 1978	AP&L letter transmitting responses to staff questions and positions
April 17, 1978	AP&L letter transmitting responses to staff questions and positions
April 26, 1978	AP&L letter transmitting responses to staff questions and positions
June 8, 1978	AP&L letter transmitting affidavit for previously docketed letters

\*The original licensee authorized to possess, use, and operate the facility was AP&L. Consequently, certain historical references to AP&L remain in the license conditions.

<u>Date</u>	<u>Document</u>
June 13, 1978	AP&L letter transmitting Administrative Controls information
June 15, 1978	AP&L letter transmitting Administrative Controls information
June 29, 1978	AP&L letter transmitting Administrative Controls information
July 7, 1978	AP&L letter transmitting affidavit for previously docketed letters
July 7, 1978	AP&L letter transmitting Administrative Controls information
July 13, 1978	AP&L letter transmitting affidavit for previously docketed letters

(c) Less Than Four Reactor Coolant Pump Operation

EOI shall not operate the reactor in operational Modes 1 and 2 with fewer than four reactor coolant pumps in operation, except as allowed by Special Test Exception 3.10.3 of the facility Technical Specifications.

2.C.(3)(d) Deleted per Amendment 24, 6/19/81.

(e) AP&L shall complete the following modifications by the indicated dates in accordance with the staff's findings as set forth in the fire protection evaluation report, NUREG-0223 "Fire Protection Safety Evaluation Report."

Implementation Dates for Proposed Modifications

Applicable Section of NUREG-0223

		<u>Date</u>
3.1	Portable Radio Communication Equipment	March 31, 1979
3.2	Separation of Power Cables in Manholes	*
3.3	Protection from Water Spray	*
3.4	Protection of Redundant Cables in the MCC Room (2096-M)	December 30, 1978
3.5	Protection of Redundant Cables in the Hallway - Elevation 372 (2109-U)	*, **
3.6	Protection of Redundant Cables in the Cable Spreading Room (2098-L)	*
3.7	Protection of Redundant Cables in the Switchgear Room (2100-Z)	*
3.8	Protection of Redundant Cables in the Electrical Equipment Room (2091-BB)	September 30, 1978

Implementation Dates for Proposed Modifications (Continued)

<u>Applicable Section of NUREG-0223</u>		<u>Date</u>
3.9	Protection of Redundant Cables in the Lower South Electrical Penetration Room (2111-T)	September 30, 1978
3.10	Protection of Safe Shutdown Cables in the upper South Piping Penetration Room (2084-DD)	September 30, 1978
3.11	Protection of Redundant Reactor Protection System Cables (2136-I)	* , **
3.12	Fire Dampers	September 30, 1978
3.13	Portable Extinguisher for the Control Room (2199-J)	November 15, 1978
3.14	Smoke Detectors	* , **
3.15	Manual Hose Stations (2055-JJ, 2084-DD, Containment, Elev. 317' of Auxiliary Building)	* , **
3.16	Portable Smoke Exhaust Equipment	December 1, 1978
3.17	Emergency Lighting	December 1, 1978
3.18	Reactor Coolant Pump Oil Collection System	*
3.19	Control of Fire Doors	March 31, 1979
3.20	Administrative Control Changes	December 1, 1978

(Numbers in parentheses refer to fire zone designations in the AP&L fire hazards analysis.)

\* Prior to startup following the first regularly scheduled refueling outage.

\*\*Technical Specifications covering these items should be proposed not later than 90 days prior to implementation.

2.C.(3)(f) Deleted per Amendment 24, 6/19/81.

2.C.(3)(g) Deleted per Amendment 93, 4/25/89.

2.C.(3)(h) Deleted per Amendment 29, (3/4/82) and its correction letter, (3/15/82).

(i) Containment Radiation Monitor

AP&L shall, prior to July 31, 1980 submit for Commission review and approval documentation which establishes the adequacy of the qualifications of the containment radiation monitors located inside the containment and shall complete the installation and testing of these instruments to demonstrate that they meet the operability requirements of Technical Specification No. 3.3.3.6.

2.C.(3)(j) Deleted per Amendment 7, 12/1/78.

2.C.(3)(k) Deleted per Amendment 12, 6/12/79 and Amendment 31, 5/12/82.

2.C.(3)(l) Deleted per Amendment 24, 6/19/81.

2.C.(3)(m) Deleted per Amendment 12, 6/12/79.

2.C.(3)(n) Deleted per Amendment 7, 12/1/78.

2.C.(3)(o) Deleted per Amendment 7, 12/1/78.

(p) Secondary Water Chemistry Monitoring

EOI shall implement a secondary water chemistry monitoring program using the overall plant administrative procedure "Steam Generator Water Chemistry Monitoring, Unit II", to minimize steam generator tube degradation. The program shall be defined in specific plant procedures and shall include:

1. Identification of sampling schedule for the critical parameters and control points for these parameters;
2. Identification of the procedures used to measure the values of the critical parameters;
3. Identification of process sampling points;
4. 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.

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.

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 Physical Security Plan," with revisions submitted through February 24, 1988; "Arkansas Nuclear One Guard Training and Qualification Plan," with revisions submitted through August 20, 1985; and "Arkansas Nuclear One Safeguards Contingency Plan," with revisions submitted through May 30, 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 condition for the protection of the environment:

Before engaging in additional construction or operational activities which may result in an environmental impact that was not evaluated by the Commission, EOI will prepare and record an environmental evaluation for 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 that evaluated, in the Final Environmental Statement (NUREG-0254) or any addendum thereto, EOI shall provide a written evaluation of such activities and obtain prior approval from the Director, Office of Nuclear Reactor Regulation.

- F. This license is effective as of the date of issuance and shall expire at midnight, December 6, 2012.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by D. B. Vassallo for

Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation

Attachments:

Preoperational Tests, Startup Tests  
and Other Items Which Must Be Completed  
By the Indicated Operational Mode

Date of Issuance: September 1, 1978



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 128 AND 102 TO

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

ARKANSAS POWER AND LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT NOS. 1 AND 2

DOCKET NOS. 50-313 AND 50-368

1.0 INTRODUCTION

By application dated July 1, 1988 as supplemented by letter dated August 15, 1989, Arkansas Power and Light Company (AP&L or the licensee) requested changes to the License Conditions to Facility Operating License Nos. DPR-51 and NPF-6 for the Arkansas Nuclear One, Units 1 and 2 (ANO-1&2). The proposed changes would transfer the operating responsibility to Entergy Operations, Inc. (EOI). This proposed action is also being taken for the Waterford 3 and Grand Gulf 1&2. The ownership of ANO-1&2 will remain with Arkansas Power and Light Company, the ownership of Waterford 3 will remain with Louisiana Power and Light Company, and the ownership of Grand Gulf 1&2 will remain primarily with Systems Energy Resources, Inc.

2.0 DISCUSSION

As early as May 1988, the licensees for Waterford 3 and Arkansas Nuclear One, Units 1 and 2 announced with System Energy Resources, Inc. (SERI) the proposed transfer of operations and maintenance responsibilities to SERI. Subsequently, by application dated August 15, 1989, AP&L has proposed the transfer of operations and maintenance to Entergy Operations, Inc. (EOI). Entergy Operations, Inc., is to be a new company and subsidiary of Entergy Corporation, formerly known as Middle South Utilities, Inc. EOI is also proposed to operate and maintain Waterford 3 and Grand Gulf 1&2. The nuclear staff of each of the facilities would be transferred to EOI and only those activities requiring immediate attention would be proposed for the necessary changes in the initial amendment. Our evaluation of these changes is provided in the Evaluation section.

The consolidation of the nuclear staff under EOI would not affect the ownership of the plants and is being proposed for the benefits enumerated by the licensee. These benefits are listed, among other places, in the licensee's June 1, 1988 (Reference 1), July 1, 1988 (Reference 2), and August 15, 1989 (Reference 7) submittals and, as stated by the licensee, include the following:

- 1) EOI will have a repository of system nuclear operating expertise and experience. Consolidation into one nuclear operating company will enhance public safety and economic operations.

- 2) EOI will be better able to provide a consistent philosophy of operation of the system nuclear units. This focused philosophy can be used to achieve excellence in all aspects of nuclear operation.
- 3) The consolidation will allow more effective communication and use of system nuclear operating experience.
- 4) Certain non-nuclear support functions will become specialized and focused on the requirements of a nuclear operation company and will thereby be more effective in their support of Arkansas Nuclear One.
- 5) Creation of a system-wide nuclear operating company will contribute to a higher sustained level of employee performance, provide a broader base for more competitive environment for upper management candidates, provide an environment in which all employees will be more highly motivated toward high performance, and provide greater opportunity for career progression.
- 6) Consolidation will make salary structures, career path policies, and procedures internally consistent and will separate nuclear from non-nuclear employees, which will permit managers to focus on special needs and requirements of nuclear employees. This will allow EOI to be competitive in the market for skilled employees and certain quality individuals once recruited.

The information provided by the licensee is to support the transfer of operating responsibility to EOI and the attainment of the above benefits will depend on the licensees' (or EOI's) development and implementation of effective programs and controls.

Early in the review the NRC expressed the need for the licensee to keep the public and other agencies informed of the proposed transfer of operations to SERI (now EOI). By letters dated September 9, 1988 and October 13, 1988 and September 22, 1989 (References 4, 6, and 8), the licensee outlined their efforts in this regard. The NRC staff also contacted the designated State Official, Director, Environmental Health Protection, Arkansas Department of Health, State of Arkansas, and discussed the proposed transfer.

### 3.0 EVALUATION

The staff's evaluation is of the licensee's submittal dated July 1, 1988 (Reference 2) as supplemented by letter dated August 15, 1989 (Reference 7) and from supporting information in the proposed Operating Agreement between AP&L and SERI as contained in the licensee's submittal dated October 17, 1988 (Reference 5). The proposed Operating Agreement between the licensee and SERI (now EOI) delineates their respective responsibilities in operating the plant commensurate with NRC requirements, including those contained in License Conditions. After issuance of the license amendment and the effective date of the transfer of operation to EOI, the NRC will normally communicate with AP&L through EOI and any changes to the Operating

Agreement to fulfill NRC requirements will be an AP&L and EOI matter not to influence or delay implementation of the NRC requirement.

The staff in making its evaluation has applied the criteria and review areas required by 10 CFR 50.80 "Transfer of Licenses" as appropriate. The transfer of operator of the facilities from AP&L to EOI simplified the review in that the AP&L personnel currently acting in all areas as nuclear operations personnel will transfer to EOI and the creation of EOI as an operating company will remain, along with AP&L as owner, within the existing company of Entergy Corporation.

#### Management and Technical Qualifications

The requested change would transfer AP&L's nuclear organization so that the Vice President - Nuclear for ANO will report to the President of EOI through the Executive Vice President and Chief Operating Officer. The present nuclear organization, down through the plant staff, will remain essentially in place as EOI employees. Therefore, the technical qualifications of the proposed ANO organization will be at least equivalent to the existing organization. This includes engineering support which, at ANO is an integral part of the Nuclear organization.

We find the requested change acceptable as it meets the acceptance criteria of Section 13.1 of NUREG-0800, the Standard Review Plan. This requested change does not require any revision to Section 6 of the Technical Specifications for Arkansas Nuclear One, Units 1 and 2.

#### Financial Considerations

The ownership of the facilities and all rights to electric power from the facilities will remain with AP&L. In addition, as stated on page 17 of AP&L's Application to Amend Facility Operating License Nos. DPR-51 and NPF-6 dated August 15, 1989, (Reference 7) Pursuant to an operating agreement between EOI and AP&L, "all costs for the operation, construction, maintenance, repair, decontamination and decommissioning of ANO-1 and ANO-2 incurred or accrued are liabilities of AP&L when incurred or accrued." The staff notes, however, that Article V, Section 5.1 of the Proposed Operating Agreement between AP&L and EOI as transmitted by letter dated September 29, 1989 (Reference 9) suggests that AP&L may not agree to pay for operation and capital improvement costs that exceed either (1) the annual budget for the facility to which AP&L and EOI are to agree by November of the year prior to the budget year or (2) the maximum amounts to be paid within the parameters of the then-current EOI five-year business plan. Notwithstanding this, Article XI, Section 11.5 provides that neither EOI nor AP&L is permitted to delay or withhold payment due and owing under the Proposed Operating Agreement except that AP&L shall have the right to make any contested payments under protest. The staff understands the provisions contained in Sections 5.1 and 11.5 of that Proposed Operating Agreement taken together do not contradict AP&L's commitment, as referenced above, to pay for all costs for the operation, construction, maintenance, repair, decontamination and decommissioning of ANO-1 and ANO-2. The staff further notes that any final operating agreement between EOI and AP&L will continue with these same understandings.

AP&L will remain subject to the retail rate jurisdiction of the Arkansas Public Service Commission. Since AP&L is an electric utility, it does not have to provide additional information to the Commission to demonstrate its financial qualification to carry out the activities for which the license amendment is sought.

The staff believes that there will be no financial consequences adversely affecting safety from allowing EOI to assume exclusive responsibility for making safety decisions. The economic benefits which the licensee anticipates from EOI's operation of ANO-1 and ANO-2 are not expected to be gained at the expense of public health and safety given AP&L's continuing commitment to pay the costs, including safety-related costs, of ANO-1 and ANO-2. Thus, the staff concludes that the financial consequences of the proposed action will not adversely affect protection of public health and safety.

#### Antitrust

The license amendment request transferring the operation of ANO Unit 2 from AP&L to EOI is subject to antitrust review pursuant to Section 105c of the Atomic Energy Act, as amended. Notification of receipt and a request for comments on antitrust issues pursuant to this amendment, as well as requests for similar transfers involving the Waterford 3 and Grand Gulf nuclear units, were published in the Federal Register on November 1, 1989 (FR Vol. 54, 46168). Comments were received from a group of wholesale electric customers (Wholesale Customers) of the Arkansas Power & Light Company.

Wholesale Customers requested the NRC to either extend the existing license conditions imposed on the Grand Gulf facility to the entire multi-state territory served by Entergy Corporation's nuclear plants by imposing similar license conditions on ANO Unit 2 or extending the geographic area applicable to the Grand Gulf license conditions to encompass the entire area served by Entergy Corporation. Wholesale Customers have not expressly addressed the competitive implications of the addition of EOI as operator of the facility. They also have not provided any other information which would allow antitrust conditions to be imposed upon ANO Unit 2 or new conditions imposed on Grand Gulf extending the geographic reach of the existing conditions. Formal antitrust reviews for facilities with operating licenses are only required when there are significant changes in the licensee's activities from the previous antitrust review. In South Carolina Electric and Gas Co. (Virgil C. Summer Nuclear Station, Unit 1), CLI 80-28, 11 NRC 817, 820, 835 (1980), the Commission held, among other things, that significant changed circumstances occur when there are changes which would create or maintain a situation inconsistent with the antitrust laws; an antitrust review of these changes is warranted only when it would likely be concluded that the changed situation has negative antitrust implications. See also, Houston Lighting and Power Co. (South Texas Units 1&2), CLI 77-135, 5 NRC 1303, 1317 (1977). Wholesale Customers contend that changed circumstances have resulted from a FERC decision requiring the costs of Grand Gulf Unit 1 to be shared by all of the subsidiaries of Entergy Corp. However, they have

not provided proof, nor furnished adequate explanation as to why this accounting change constitutes anticompetitive activity or has adverse antitrust implications. In addition, Wholesale Customers contend that license conditions are necessary since their existing wholesale contracts do not contain the type of terms and conditions that are included in contracts resulting from antitrust reviews associated with other nuclear facilities. This assertion likewise does not constitute a changed circumstance since Wholesale Customers have not established how the absence of these terms in their contracts creates or maintains a situation inconsistent with the antitrust laws.

In its review of the proposed amendment adding EOI to the ANO Unit 2 license, the staff was concerned with what role EOI would play in marketing or brokering of power or energy from each of the Entergy Corporation nuclear units. In an effort to avoid a formal antitrust review, the licensee has agreed to add an antitrust license condition to its ANO Unit 2 license that will effectively preclude EOI from using power or energy from ANO Unit 2 in a manner that would affect competition in bulk power services throughout AP&L's service area.

Moreover, the same license condition will hold AP&L responsible and account-able for the actions of its agents, including EOI, that pertain to marketing or brokering of power or energy from ANO Unit 2. The staff feels this license condition will ensure that EOI will do no more than operate ANO Unit 2 and will not be involved in the competitive arena associated with marketing or brokering of power or energy. As a result of these actions, the staff has completed its antitrust review of this amendment request.

#### Restricted Data

The licensee has addressed the limits on restricted data and other defense information and EOI agrees to the appropriate conditions of protection and processes. The current employees of AP&L who are aware of and responsible for safeguarding information will transfer to EOI, therefore, no reduction in understanding or responsibility is expected.

#### Emergency Planning

The licensee proposes to transfer to EOI the authority and responsibilities for functions necessary to fulfill the emergency planning requirements specified in 10 CFR 50.47(b) and Part 50, Appendix E. There will be no initial changes to the ANO-1 and ANO-2 emergency plan or planning organization.

The EOI organization may, in the future, add organizational components to assume overall emergency planning. In a letter dated July 29, 1988, the NRC stated its position on plan and program centralization and NRC approvals. With centralization, plans may be transferred to another area

or site. Our concern will be that the new organization possesses the technical capabilities as was found acceptable at the ANO site. Any changes with the plans or programs at the site may be made in accordance with established rules and processes. Since it is not clear that the

rules and processes contemplated such drastic changes as transfer to a new organization at a new site, the NRC has determined and the licensee has agreed that the initial plan and program change to a new site would be reviewed by the NRC prior to the change. Subsequent changes would revert to current established practices. This understanding with the licensee and EOI applies to areas other than Emergency Planning as well.

The current and eventual emergency plan will depend upon a continuing working arrangement between AP&L and EOI. Certain support functions will remain with AP&L and AP&L can be expected to provide emergency non-nuclear support from other company areas as needed. We find this sense of cooperation both essential and acceptable.

#### Offsite Power

General Design Criterion 17 requires that there be an assured source of power to the plant. The offsite power available to ANO and as found acceptable to the NRC is as described in the Final Safety Analysis Report. With the transfer to EOI, this will not change, however, arrangements have been proposed for the interface between EOI as operator of a nuclear plant and AP&L non-nuclear employees for the upkeep and maintenance of offsite power ties to the plant. These arrangements are to assure that the NRC's acceptance of the offsite power to ANO-1&2 is continued.

#### Security and Exclusion Area Control

The employees of AP&L responsible for security will become EOI employees and EOI will continue to maintain and implement the security plans as previously found acceptable. Some transition changes may be appropriate to reflect AP&L and EOI relationships but it is not expected that these changes will decrease the effectiveness of the plans. Processes are underway to address such changes. Control of the exclusion area involving security and non-nuclear interfaces with AP&L has been addressed by the licensee and include considerations for normal and emergency access. Written procedures and agreements are appropriate to assure that NRC approved activities in and control of the exclusion area is maintained.

#### Quality Assurance Program

EOI will assume responsibility of the functions associated with the ANO quality assurance program. The organization, function, and structure of the ANO quality assurance department will not be affected by this license amendment. As discussed in the Emergency Plan section above, any proposed change to centralize plans to a new site will require NRC initial approval; the quality assurance plans also fall in the category and understanding with AP&L and EOI.

### Training

The licensee has stated that the training program, requirements, and maintenance of the Institute of Nuclear Power Operations accreditation for licensed and non-licensed training will continue as before but under EOI. Processes for NRC approval of changes that may decrease the scope of the approved operator requalification program will continue as before.

### License Conditions

The licensee has proposed changes to the license conditions to reflect EOI operation and maintenance of ANO and continued AP&L ownership of ANO. We have reviewed the proposed license conditions and recommend two changes. Reactor fuel at ANO is to remain at ANO unless specific approval is obtained otherwise. The license condition for EOI to receive, possess, and use reactor fuel is to be modified to reflect ANO reactor fuel at the ANO site. A license condition will be added that, 1) prohibits EOI from marketing or brokering power or energy produced from ANO, Unit 2, and 2) holds AP&L responsible and accountable for actions of its agents that pertain to marketing or brokering of such power or energy. The licensee agrees to these changes.

#### 4.0 CONTACT WITH STATE AND OTHER OFFICIALS

The NRC staff has advised the Director, Division of Environmental Health Protection, Arkansas Department of Health, State of Arkansas of the proposed determination of no significant hazards consideration. No comments were received on the no significant hazards consideration. Comments were received on antitrust matters from representatives of the cities of Benton, Conway, North Little Rock, Osceola, Prescott and West Memphis and from the Farmers Electric Cooperative Corporation (see Reference 10).

#### 5.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32 and 51.35, an environmental assessment and finding of no significant impact was published in the Federal Register on November 30, 1989 (54 FR 49368).

Accordingly, based upon the environmental assessment, the Commission has determined that issuance of this amendment will not have a significant effect on the quality of the human environment.

#### 6.0 CONCLUSION

Based upon its evaluation of the proposed changes to the ANO-1 and ANO-2 License Conditions, the staff has concluded that: there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: December 14, 1989

Principal Contributors: D. Wigginton      W. Lambe      R. Wood  
F. Allenspach      C. Harbuck      C. Poslusny

## References

- 1) Letter dated June 1, 1988 from T. G. Campbell to NRC, Attention: D. M. Crutchfield, transmitting draft proposed amendment for SERI operation of Arkansas Nuclear One, Units 1 and 2.
- 2) Letter dated July 1, 1988 from T. G. Campbell to NRC, Attention: D. M. Crutchfield, transmitting application for amendment reflecting SERI operation of Arkansas Nuclear One, Units 1 and 2.
- 3) Letter dated July 29, 1988 from C. C. Harbuck to T. G. Campbell, subject "Systems Energy Resources, Inc. (SERI) License Amendment Application for Arkansas Nuclear One, Units 1 and 2," transmitting clarifications of positions and requesting AP&L response.
- 4) Letter dated September 9, 1988 from O. D. Kingsley to NRC, response to NRC July 29, 1988 request for information (Reference 3 above).
- 5) Letter dated October 17, 1988 from D. R. Howard to NRC, subject "AP&L/SERI Proposed Operating Agreements" transmitting proposed operating agreements, Security and Exchange Commission submittals, letter reference 2) above, Arkansas Public Service Commission submittal, and SERI Financial Statement dated June 30, 1988.
- 6) Letter dated October 13, 1988 from J. G. Cesare, Jr. (SERI) to NRC transmitting actions to keep public and appropriate agencies fully informed.
- 7) Letter dated August 15, 1989 from T. G. Campbell to NRC transmitting applications for amendment reflecting EOI operation of Arkansas Nuclear One, Units 1 and 2.
- 8) Letter dated September 22, 1989 from J. J. Fisicaro to NRC regarding Entergy Operations, Inc. public information.
- 9) Letter dated September 29, 1989 from J. J. Fisicaro to NRC regarding Securities and Exchange Commission Application.
- 10) Letter dated November 30, 1989 from Z. Wilson regarding Antitrust Comments.



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

December 14, 1989

Docket No. 50-313  
50-368

Amendment to Indemnity Agreement No. B-65  
Amendment No. 11

Effective December 14, 1989, Indemnity Agreement No. B-65, between Arkansas Power and Light Company, and the Atomic Energy Commission, dated November 8, 1972, as amended, is hereby further amended as follows:

The following named licensee "Entergy Operations, Inc." is added to the indemnity agreement.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

*Eileen M McKenna*

Eileen M. McKenna, Acting Chief  
Policy Development and Technical Support Branch  
Program Management, Policy Development  
and Analysis Staff  
Office of Nuclear Reactor Regulation

Accepted \_\_\_\_\_, 1989

Accepted \_\_\_\_\_, 1989

By \_\_\_\_\_  
Arkansas Power and Light  
Company

By \_\_\_\_\_  
Entergy Operations, Inc.