



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

June 1, 1989

*Pocket*

Docket Nos. 50-313  
and 50-368

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

Dear Mr. Campbell:

SUBJECT: ISSUANCE OF AMENDMENT NOS. 122 AND 96 TO FACILITY OPERATING LICENSE  
NOS. DPR-51 AND NPF-6 - ARKANSAS NUCLEAR ONE, UNITS 1 AND 2  
(TAC NOS. 73095 AND 57338)

The Commission has issued the enclosed Amendment Nos. 122 and 96 to Facility Operating License Nos. DPR-51 and NPF-6 for the Arkansas Nuclear One, Units 1 and 2 (ANO-1&2). These amendments consist of changes to the Technical Specifications (TSs) in response to your applications dated March 20 and 24, 1985 respectively.

The amendments delete the remaining portions of the Appendix B TSs dealing with land management for both units. These are Section 3.5 for ANO-1 and Section 5.9 for ANO-2. Previously, Amendment Nos. 111 and 68 for ANO-1&2 respectively deleted those portions of Appendix B TSs not dealing with land management.

With the issuance of this amendment, the deletion of the entire Environmental Technical Specifications is complete for each unit. However, it should be noted that you are still required by License Condition 2.E of the ANO-2 license to prepare an environmental evaluation before engaging in any activities which may result in an environmental impact that was not evaluated by the Commission. In addition, this license condition requires that when your evaluation indicates that such activities 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), a written evaluation of such activities will be provided for our prior approval.

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Mr. T. Gene Campbell

- 2 -

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's next Bi-weekly Federal Register notice.

Sincerely,

/s/

C. Craig Harbuck, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

/s/

Chester Poslusny, Jr., Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 122 to DPR-51
2. Amendment No. 96 to NPF-6
3. Safety Evaluation

cc w/enclosures:  
See next page

DISTRIBUTION:

Docket File	BGrimes	PNoonan	ACRS (10)
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Local PDR	Wanda Jones	JCalvo	ARM/LFMB
PD4 Reading	OGC-Rockville	DHagan	Jordan
Plant File	FHebdon		

LTR NAME: ANO1,2 AMENDMENT

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PD4/PM  
CHarbuck:bj  
05/15/89

PD4/PM  
CPoslusny  
05/15/89

OGC-Rockville  
JH Lowry  
05/25/89

PD4/DJ  
FHebdon  
05/11/89  
6

Mr. T. Gene Campbell

- 2 -

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Sincerely,

/s/

C. Craig Harbuck, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

/s/

Chester Poslusny, Jr., Project Manager  
Project Directorate - IV  
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PD4 Reading	OGC-Rockville	DHagan	Jordan
Plant File	FHebdon	CPoslusny (2)	

LTR NAME: AN01,2 AMENDMENT

PD4/LA *OPH*  
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05/17/89

PD4/PM *CH*  
CHarbuck:bj  
05/19/89

*E.D.*  
PD4/PM  
CPoslusny  
05/19/89

*J.H.*  
OGC-Rockville  
*J.H. Lewis*  
05/25/89

PD4/DJ  
FHebdon  
05/11/89  
6

Mr. T. Gene Campbell

- 2 -

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's next Bi-weekly Federal Register notice.

Sincerely,



C. Craig Harbuck, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation



Chester Poslusny, Jr., Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

**Enclosures:**

1. Amendment No. 122 to DPR-51
2. Amendment No. 96 to NPF-6
3. Safety Evaluation

cc w/enclosures:  
See next page

Mr. T. Gene Campbell  
Arkansas Power & Light Company

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Unit Nos. 1 and 2

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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. 122  
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 March 20, 1985, 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, as amended, 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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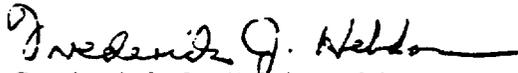
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. DPR-51 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 122, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: June 1, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 122

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

Revise the following pages of the Appendix "B" Technical Specifications with the attached page.

REMOVE PAGES

Cover Page

1

3-1

INSERT PAGE

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ARKANSAS NUCLEAR ONE  
UNIT 1  
LICENSE NO. DPR-51  
APPENDIX B  
TECHNICAL SPECIFICATIONS

Appendix B to Operating License DPR-51 has been eliminated in its entirety by this amendment. See Amendment Nos. 65, 72, and 111.



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. 96  
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 March 24, 1985, 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, as amended, 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.

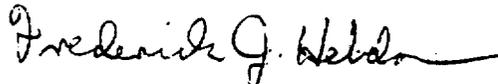
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-6 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 96, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

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 Technical  
Specifications

Date of Issuance: June 1, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 96

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Revise the following pages of the Appendix "B" Technical Specifications with the attached page.

REMOVE PAGES

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**ENVIRONMENTAL TECHNICAL SPECIFICATIONS**

**ARKANSAS NUCLEAR ONE**

**UNIT NO. 2**

**ARKANSAS POWER AND LIGHT COMPANY**

**JULY 1978**

Appendix B to Operating License NPF-6 has been eliminated in its entirety by this amendment. See Amendment Nos. 40, 47, and 68.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 122 AND 96 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

INTRODUCTION

By letters dated March 20 and March 24, 1985, Arkansas Power and Light Company (AP&L or the licensee) submitted to the NRC proposed Technical Specification revisions for Arkansas Nuclear One, Units 1 and 2 (ANO-1&2). In its submittal, AP&L proposed to delete in its entirety Appendix B, "Environmental Technical Specifications," from the ANO-1&2 Technical Specifications.

As originally issued, Appendix B for each unit contained miscellaneous environmental requirements related to radiological effluents and water quality. Subsequently, the NRC approved two amendments to the ANO-1 license and the ANO-2 license that either removed or superseded many of the provisions of the original Appendix B. Specifically, Amendment Nos. 72 and 40 for ANO-1&2 respectively, dated March 11, 1983, deleted all nonradiological portions of Appendix B related to water quality. Aspects related to water quality are now solely within the jurisdiction of the Environmental Protection Agency (EPA). Amendment Nos. 88 and 60 dated December 14, 1984, issued the requirements for Radiological Effluent Technical Specifications (RETS) in accordance with 10 CFR Part 50, Appendix I. However, the RETS were incorporated into the Appendix A Technical Specifications for ANO-1&2, without deleting the corresponding portions of Appendix B, which were then unnecessary. By their letter of March 24, 1985, AP&L then requested the deletion of all remaining portions of Appendix B. The remaining portions which addressed definitions, administrative controls, environmental surveillance, and radiological specifications were removed by Amendment Nos. 111 (dated August 17, 1988) and 68 (dated August 9, 1985). The final remaining portions on land use management under the "Special Requirements" section are addressed by the following evaluation.

EVALUATION

Sections 3.5 and 5.9, "Special Requirements," of the ANO-1&2 Appendix B TS discuss vegetation and erosion control of the plant site and transmission line right-of-way corridors constructed for the distribution of energy generated by ANO. Section 5.9 of the ANO-2 Appendix B TS is primarily a result of the NRC staff evaluations contained in NUREG-0254, "Final Environmental Statement Related to Operation of Arkansas Nuclear One, Unit 2," which discussed the potential for severe erosion along the proposed corridors. In NUREG-0254

however, the staff concluded that the environmental impact associated with the construction of the proposed corridors (about 115 miles in total for mixed 161 and 500 kV lines) would be minimal if the licensee's environmental control activities were fully carried out. Those environmental control activities specified for the site landscaping and for the corridors were the planting of grass and clover; the use of low growing species of cedar, sumac, oak, and shrubs; and periodic maintenance of brush and tree control by mechanical means only (i.e., no use of chemical herbicides). Section 3.5 of the ANO-1 Appendix B TS resulted from similar staff evaluations contained in the ANO-1 Environmental Report initially issued on June 8, 1971. Both of these sections are primarily descriptive in nature and do not contain action statements, reporting requirements, or issues currently addressed by NRC requirements.

On May 15, 1985, the NRC staff conducted an aerial survey by helicopter of the ANO site and transmission line right-of-way corridors. It was observed that AP&L had constructed, planted, and maintained those properties in compliance with their previous commitments. The corridors, in particular, were noted to have adequate ground cover with only two slightly eroded areas. One area was a few miles northwest of the Mayflower substation and another area was east of the site between Highways 124 and 105. Neither area was considered to pose a threat to either the environment or transmission tower foundations. The corridors showed no indications of hebicide use. However, in this regard, the NRC staff now believes the EPA-approved herbicides may be used with a resulting acceptable level of environmental impact (see, for example, NUREG-1087, "Final Environmental Statement Related to the Operation of Vogtle Electric Generating Plant, Units 1 and 2)."

Based on the foregoing favorable observations, the completion of site and transmission line right-of-way corridor landscaping and plantings, the licensee's clearly apparent interest and need in maintaining the site and the corridors, and the lack of NRC reporting or other requirements in Sections 3.5 and 5.9 pertaining to the site or corridors, we conclude that Sections 3.5 and 5.9 of Appendix B to the Technical Specifications for ANO-1&2, respectively, may be deleted.

#### ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.31 and 51.35, an environmental assessment and finding of no significant impact was published in the Federal Register on June 1, 1989 (54 FR 23550).

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.

#### CONCLUSION

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

Date: June 1, 1989

Principal Contributors: Dale A. Powers  
C. Poslusny  
C. Harbuck