Docket No. 50-313

Mr. John M. Griffin Senior Vice President of Energy Supply Arkansas Power and Light Company P. O. Box 551 Little Rock, Arkansas 72203 DISTRIBUTION TBarnhart-8 EJordan Docket File **PMcKee** NRC & LPDR Rda File WJones RDiggs DEisenhut **JPartlow** OELD RIngram CMiles GVissing LHarmon ACRS-10 Gray File+5 EB1ackwood HOrnstein SECY DBrinkman **PKreutzer** 3 RLee

Dear Mr. Griffin:

The Commission has issued the enclosed Amendment Nos. 96 and 64 to Facility Operating License Nos. DPR-51 and NPF-6 for Arkansas Nuclear One, Unit Nos. 1 and 2. These amendments consist of changes to the Technical Specifications (TS) in response to your application dated October 16, 1984.

These amendments revise the TS to require that keys to key operated handswitches for the ANO-1&2 containment purge valves be removed when purge valves are required to be closed.

A copy of the Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

original signed by: Robert S. Lee, Project Manager Operating Reactors Branch No. 3 Division of Licensing

original signed by:

Guy S. Vissing, Project Manager Operating Reactors Branch No. 4 Division of Licensing

Enclosures:

- 1. Amendment No. 96 to DPR-51
- 2. Amendment No. 64 to NPF-6
- 3. Safety Evaluation

cc w/enclosures: See next page

8504030485 850318

ADOCK PDR PNR ORB#4:DLN #4:DI ORI ORB#3 1DL 3:DL GVissing;cf JFStd PKpeutzer RIngram 18 /85 14/85 **///**/85 1/24/85 My legge BAD: M: DL **OELD** MCh

Mr. J. Ted Enos, Manager, Licensing Arkansas Power & Light Company P. O. Box 551 Little Rock, Arkansas 72203

Mr. James M. Levine, General Manager Arkansas Nuclear One P. O. Box 608 Russellville, Arkansas 72801

Nicholas S. Reynolds Bishop, Liberman, Cook, Purcell & Reynolds 1200 Seventeenth Street, N.W. Suite 700 Washington, DC 20036

Mr. Charles B. Brinkman, Manager Washington Nuclear Operations C-E Power Systems 7910 Woodmont Avenue Bethesda, Maryland 20014

Regional Administrator (2) USNRC, Region IV Executive Director for Operations 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76011

Mr. William D. Johnson U.S. NRC <sup>•</sup> P. O. Box 2090 Russellville, Arkansas 72801

Mr. Frank Wilson, 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 Div. Suite 220 7910 Woodmont Avenue Bethesda, MD 20814



. . .

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

## ARKANSAS POWER & LIGHT COMPANY

## DOCKET NO. 50-313

### ARKANSAS NUCLEAR ONE, UNIT 1

### AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.96 License No. DPR-51

- A. The application for amendment by Arkansas Power and Light Company (the licensee) dated October 16, 1984, 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.
- 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:

B504030490 B50318 PDR ADUCK 05000313

# - 2 -

# Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 64, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

John F. Stolz, Chief Operating Reactors Branch #4 Division of Licensing

Attachment: Changes to the Technical Specifications

Date of Issuance: March 18, 1985

# ATTACHMENT TO LICENSE AMENDMENT NO. 96

# FACILITY OPERATING LICENSE NO. DPR-51

# DOCKET NO. 50-313

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

Insert

66 t

66 t

### 3.23 REACTOR BUILDING PURGE VALVES

### APPLICABILITY

This specification applies to the reactor building purge supply and exhaust isolation valves.

### OBJECTIVE

To specify that reactor building isolation purge valves be closed whenever containment integrity is required by TS 3.6.1.

### SPECIFICATION

3.23.1 The reactor building purge supply and exhaust isolation valves shall be closed and handswitch keys removed whenever containment integrity is required by TS 3.6.1.

### BASES

The reactor building supply and exhaust isolation valves are required to be closed during normal plant operation in order to ensure reactor building integrity. Purging is allowed only when containment integrity is not required by TS 3.6.1.

66t



ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 64 License No. NPF-6

- 1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power & Light Company (the licensee) dated October 16, 1984, 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.

- 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 Appendices A and B, as revised through Amendment No.  $^{64}$ , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

amos k ille

James R. Miller, Chief Operating Reactors Branch #3 Division of Licensing

Attachment: Changes to the Technical Specifications

Date of Issuance: March 18, 1985

- 2 -

# ATTACHMENT TO LICENSE AMENDMENT NO.64

## FACILTIY OPERATING LICENSE NO. NPF-6

# DOCKET NO. 50-368

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the areas of change. The corresponding overleaf page is also provided to maintain document completeness.

Remove Page	Insert Page

3/4 6-9a

3/4 6-9a

CONTAINMENT SYSTEMS

CONTAINMENT VENTILATION SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.1.6 The containment purge supply and exhaust isolation valves shall be closed and handswitch keys removed.

APPLICABILITY: MODES 1, 2, 3, and 4.

### ACTION:

With one or more containment purge supply and/or exhaust isolation valves not closed with the handswitch keys removed, place the valve(s) in the closed position with handswitch key(s) removed within 1 hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.6 The containment purge supply and exhaust isolation valves shall be determined closed at least once per 31 days.

ARKANSAS - UNIT 2

3/4 6-9a

Amendment No. 64

# CONTAINMENT SYSTEMS

3/4.6.2 DEPRESSURIZATION AND COOLING SYSTEMS

CONTAINMENT SPRAY SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.2.1 Two independent containment spray systems shall be OPERABLE with each spray system capable of taking suction from the RWT on a Containment Spray Actuation Signal (CSAS) and automatically transferring suction to the containment sump on a Recirculation Actuation Signal (RAS). Each spray system flow path from the containment sump shall be via an OPERABLE shutdown cooling heat exchanger.

APPLICABILITY: MODES 1, 2, and 3.

ACTION:

With one containment spray system inoperable, restore the inoperable - spray system to OPERABLE status within 72 hours or be in at least HOT - STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.6.2.1 Each containment spray system shall be demonstrated OPERABLE:

- a. At least once per 31 days by:
  - Verifying that each valve (manual, power operated or automatic) in the flow path is positioned to take suction from the RWT on a Containment Pressure--High-High test signal.
  - Verifying that the system piping is full of water from the RWT to at least elevation 505' (equivalent to > 12.5% indicated narrow range level) in the risers within the containment.
- b. By verifying that each pump demonstrates degradation of  $\leq 6.3\%$  from its original acceptance test pump performance curve when tested pursuant to Specification 4.0.5.

1

ŧ

ARKANSAS-UNIT 2

3/4 6-10



# SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS.96 AND 64TO FACILITY OPERATING LICENSE

## NOS. DPR-51 AND NPF-6

### ARKANSAS POWER AND LIGHT COMPANY

### ARKANSAS NUCLEAR ONE, UNITS NOS. 1 AND 2

DOCKET NOS. 50-313 AND 50-368

### INTRODUCTION

By letter dated October 16, 1984, Arkansas Power and Light Company (the licensee or AP&L) requested amendments of the Technical Specifications (TSs), - Appendix A, appended to Facility Operating Licenses Nos. DPR-51 and NPF-6 for Arkansas Nuclear One, Units Nos. 1 and 2 (ANO-1&2), respectively. The proposed changes would require that keys to the key operated handswitches for the ANO-1&2 containment purge valves be removed when the purge valves are required to be closed.

### BACKGROUND

NUREG-0737, Item II.E.4.2, Containment Isolation Dependability, requires in Position 6 that purge valves such as are installed at ANO-1&2 be sealed closed during reactor operation. In discussing this issue with the licensee, we indicated that a key lock switch for the purge valves would be an acceptable means to satisfy this requirement. Subsequently, by letter dated May 3, 1983, we requested the licensee to submit proposed TSs changes which would require the purge valves be locked closed by key lock switches during reactor operation. The licensee's current TSs for ANO-1&2 require the purge valves to be closed during reactor operation.

### EVALUATION

8504030493 8503

ADOCK 05000313

PDR

PDR

The licensee has installed key operated handswitches to operate the purge valves for ANO-1&2. Whenever the purge valves are required to be closed the proposed TSs would require the keys to be removed. This would prevent inadvertent opening of the ANO-1&2 purge valves during operation. We have made minor clarifications to the wording of the action statement in the ANO-2 proposed TSs. These were made with agreement by the licensee. We have determined that the proposed changes, as modified, meet the "seal closed" position of Position 6 of NUREG-0737, Item II.E.4.2 and, therefore, are acceptable.

### ENVIRONMENTAL CONSIDERATIONS

These amendments involve changes in the installation or use of facility components located within restricted areas as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

### CONCLUSIONS

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 Commissions's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: March 18, 1985 Principal Contributor: Guy S. Vissing Docket No. 50-313

Mr. John M. Griffin Senior Vice President of Energy Supply Arkansas Power and Light Company P. O. Box 551 Little Rock, Arkansas 72203

TBarnhart-8 DISTRIBUTION EJordan Docket File **PMcKee** NRC & LPDR Rda File WJones RDiggs DEisenhut **JPartlow** OELD RIngram CMiles LHarmon GVissing Gray File+5 ACRS-10 EB1ackwood HOrnstein SECY DBrinkman PKreutzer 3 RLee

Dear Mr. Griffin:

The Commission has issued the enclosed Amendment Nos. 96 and 64 to Facility Operating License Nos. DPR-51 and NPF-6 for Arkansas Nuclear One, Unit Nos. 1 and 2. These amendments consist of changes to the Technical Specifications (TS) in response to your application dated October 16, 1984.

These amendments revise the TS to require that keys to key operated handswitches for the ANO-1&2 containment purge valves be removed when purge valves are required to be closed.

A copy of the Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

original signed by: Robert S. Lee, Project Manager Operating Reactors Branch No. 3 Division of Licensing

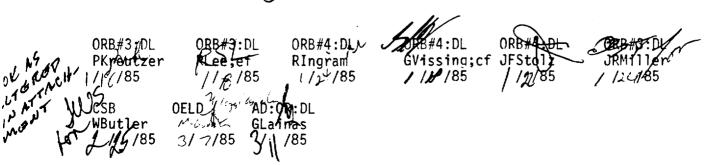
original signed by:

Guy S. Vissing, Project Manager Operating Reactors Branch No. 4 Division of Licensing

Enclosures: 1. Amendment No. 96 to DPR-51 2. Amendment No. 64 to NPF-6

3. Safety Evaluation

cc w/enclosures: See next page



Mr. J. Ted Enos, Manager, Licensing Arkansas Power & Light Company P. O. Box 551 Little Rock, Arkansas 72203

Mr. James M. Levine, General Manager Arkansas Nuclear One P. O. Box 608 Russellville, Arkansas 72801

Nicholas S. Reynolds Bishop, Liberman, Cook, Purcell & Reynolds 1200 Seventeenth Street, N.W. Suite 700 Washington, DC 20036

Mr. Charles B. Brinkman, Manager Washington Nuclear Operations C-E Power Systems 7910 Woodmont Avenue Bethesda, Maryland 20014

Regional Administrator (2) USNRC, Region IV Executive Director for Operations 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76011

Mr. William D. Johnson U.S. NRC P. O. Box 2090 Russellville, Arkansas 72801

Mr. Frank Wilson, 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 Div. Suite 220 7910 Woodmont Avenue Bethesda, MD 20814



ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT 1

# AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.96 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 October 16, 1984, 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 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:

85040304

# Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 64, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

John F. Stolz, Chief Operating Reactors Branch #4 Division of Licensing

Attachment: Changes to the Technical Specifications

. . .

Date of Issuance: March 18, 1985

# ATTACHMENT TO LICENSE AMENDMENT NO. 96

# FACILITY OPERATING LICENSE NO. DPR-51

# DOCKET NO. 50-313

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

Insert

66 t

66 t

### 3.23 REACTOR BUILDING PURGE VALVES

### APPLICABILITY

This specification applies to the reactor building purge supply and exhaust isolation valves.

### OBJECTIVE

To specify that reactor building isolation purge valves be closed whenever containment integrity is required by TS 3.6.1.

### SPECIFICATION

3.23.1 The reactor building purge supply and exhaust isolation valves shall be closed and handswitch keys removed whenever containment integrity is required by TS 3.6.1.

### BASES

The reactor building supply and exhaust isolation values are required to be closed during normal plant operation in order to ensure reactor building integrity. Purging is allowed only when containment integrity is not required by TS 3.6.1.

- **6**6t



ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

### AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 64 License No. NPF-6

- 1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power & Light Company (the licensee) dated October 16, 1984, 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.

850-4030-493

- 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 Appendices A and B, as revised through Amendment No.  $^{64}$ , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

14 amos p illy

James R. Miller, Chief Operating Reactors Branch #3 Division of Licensing

Attachment: Changes to the Technical Specifications

Date of Issuance: March 18, 1985

- 2 -

# ATTACHMENT TO LICENSE AMENDMENT NO.64

# FACILTIY OPERATING LICENSE NO. NPF-6

# DOCKET NO. 50-368

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the areas of change. The corresponding overleaf page is also provided to maintain document completeness.

### Remove Page

# Insert Page

3/4 6-9a

3/4 6-9a



# SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS.96 AND 64TO FACILITY OPERATING LICENSE

### NOS. DPR-51 AND NPF-6

### ARKANSAS POWER AND LIGHT COMPANY

### ARKANSAS NUCLEAR ONE, UNITS NOS. 1 AND 2

DOCKET NOS. 50-313 AND 50-368

### INTRODUCTION

By letter dated October 16, 1984, Arkansas Power and Light Company (the licensee or AP&L) requested amendments of the Technical Specifications (TSs), -Appendix A, appended to Facility Operating Licenses Nos. DPR-51 and NPF-6 for Arkansas Nuclear One, Units Nos. 1 and 2 (ANO-1&2), respectively. The proposed changes would require that keys to the key operated handswitches for the ANO-1&2 containment purge valves be removed when the purge valves are required to be closed.

#### BACKGROUND

NUREG-0737, Item II.E.4.2, Containment Isolation Dependability, requires in Position 6 that purge valves such as are installed at ANO-1&2 be sealed closed during reactor operation. In discussing this issue with the licensee, we indicated that a key lock switch for the purge valves would be an acceptable means to satisfy this requirement. Subsequently, by letter dated May 3, 1983, we requested the licensee to submit proposed TSs changes which would require the purge valves be locked closed by key lock switches during reactor operation. The licensee's current TSs for ANO-1&2 require the purge valves to be closed during reactor operation.

#### EVALUATION

The licensee has installed key operated handswitches to operate the purge valves for ANO-1&2. Whenever the purge valves are required to be closed the proposed TSs would require the keys to be removed. This would prevent inadvertent opening of the ANO-1&2 purge valves during operation. We have made minor clarifications to the wording of the action statement in the ANO-2 proposed TSs. These were made with agreement by the licensee. We have determined that the proposed changes, as modified, meet the "seal closed" position of Position 6 of NUREG-0737, Item II.E.4.2 and, therefore, are acceptable.

### ENVIRONMENTAL CONSIDERATIONS

These amendments involve changes in the installation or use of facility components located within restricted areas as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

#### CONCLUSIONS

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 Commissions's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: March 18, 1985 Principal Contributor: Guy S. Vissing