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Docket No. 50-368

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Mr. William Cavanaugh, III
 Vice President, Generation
 and Construction
 Arkansas Power & Light Company
 P. O. Box 551
 Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

The Commission has issued the enclosed Amendment No. 23 to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit No. 2. The amendment consists of changes to the Technical Specifications in response to your application dated June 1, 1981.

This amendment modifies the ANO-2 Appendix A Technical Specifications dealing with the operability of fire detectors in the containment penetration rooms.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,
 Original signed by
 Robert A. Clark

Robert A. Clark, Chief
 Operating Reactors Branch #3
 Division of Licensing

Enclosures:

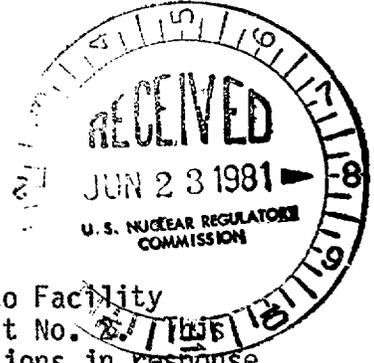
1. Amendment No. 23 to NPF-6
2. Safety Evaluation
3. Notice of Issuance

cc: See next page

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P
PMS

Contains license amendment and Fed. Reg. notice



OFFICE	ORB#3:DL	ORB#3:DL	ORB#5:DL	ORB#3:DL	AD:OR:DL	OELD
SURNAME	PMKreutzer	RMartin	Twambach	RAClark	TMNovak	M. Rothschild
DATE	6/4/81	6/4/81	6/5/81	6/5/81	6/5/81	6/09/81



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

Docket No. 50-368

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: ARKANSAS POWER & LIGHT COMPANY, Arkansas Nuclear One, Unit No. 2

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).

Other: Amendment No. 23.
Referenced documents have been provided PUR.

Division of Licensing, ORB#3
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#3:DL					
SURNAME →	PMKreutzer/ph					
DATE →	6/16/81					



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

Docket No. 50-368

Mr. William Cavanaugh, III
Vice President, Generation
and Construction
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

The Commission has issued the enclosed Amendment No. 23 to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your application dated June 1, 1981.

This amendment modifies the ANO-2 Appendix A Technical Specifications dealing with the operability of fire detectors in the containment penetration rooms.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert A. Clark".

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. to NPF-6
2. Safety Evaluation
3. Notice of Issuance

cc: See next page

Arkansas Power & Light Company

cc:

Mr. David C. Trimble
Manager, Licensing
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Mr. James P. O'Hanlon
General Manager
Arkansas Nuclear One
P. O. Box 608
Russellville, Arkansas 72801

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 420
7735 Old Georgetown Road
Bethesda, Maryland 20014

Nick Reynolds
c/o DeBevoise & Liberman
1200 Seventeenth Street, N.W.
Washington, D. C. 20036

Arkansas Polytechnic College
Russellville, Arkansas 72801

Honorable Ernil Grant
Acting County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

Mr. Charles B. Brinkman
Manager - Washington Nuclear
Operations
C-E Power Systems
4853 Cordell Avenue, Suite A-1
Bethesda, Maryland 20014

Director Criteria and Standards Division
Office of Radiation Programs (ANR-460)
U.S. Environmental Protection Agency
Washington, D. C. 20460

U.S. Environmental Protection Agency
Region VI Office
ATTN: EIS COORDINATOR
1201 Elm Street
First International Building
Dallas, Texas 75270

cc w/enclosure(s) and incoming
dated: 6/1/81

Director, Bureau of Environmental
Health Services
4815 West Markham Street
Little Rock, Arkansas 72201



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

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE - UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 23
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 June 1, 1981, 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.

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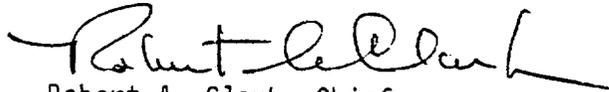
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-6 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 23, 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



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Attachments:
Changes to the Technical
Specifications

Date of Issuance: June 16, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 23

FACILITY 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 area of change.

Page

3/4 3-44

TABLE 3.3-11

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>	
	<u>HEAT</u>	<u>SMOKE</u>
1. Containment		
North Penetration Area-Upper	2/Area	2/Area
North Penetration Area-Lower	2/Area	2/Area
South Penetration Area-Upper	2/Area	2/Area
South Penetration Area-Lower	2/Area	2/Area
2. Cable Spreading	Protective Wire	4
3. Switchgear Room		
Room 2100 - Elev. 372		2
Room 2101 - Elev. 372		2
4. Remote Shutdown Panels		1
5. Emergency Diesel Generator Rooms		
Room 2093 - Elev. 369	1	2
Room 2094 - Elev. 369	1	2
6. Diesel Fuel Storage Vaults		1/Vault
7. Penetration Rooms		
North Penetration Area-Upper		2/Room
North Penetration Area-Lower		2/Room
South Penetration Area-Upper		2/Room
South Penetration Area-Lower		2/Room



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 23 TO FACILITY OPERATING LICENSE NO. NPF-6

ARKANSAS POWER & LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT NO. 2

DOCKET NO. 50-368

Introduction

By letter dated June 1, 1981, Arkansas Power & Light Company (the licensee or AP&L) requested amendment of the Technical Specifications (TS), Appendix A, appended to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit No. 2 (ANO-2). The amendment would revise the TS dealing with the operability requirements for fire detectors located in the containment penetration rooms.

Discussion and Evaluation

The staff's Fire Protection Safety Evaluation Report (FPSE), NUREG-0223, issued in August 1978 documented the need for further modifications to the fire protection systems. Section 7.0, "Technical Specifications", of the FPSE also noted that following the implementation of these further modifications the Technical Specifications would be similarly modified to incorporate the LCO and surveillance requirements for these modifications. The licensee's letter of June 1, 1981 presents an example of such modifications to the TS.

The licensee states that a new fire detection system was developed to meet the requirements of the FPSE. Implementation of this new system requires the removal of a number of existing smoke and heat detectors and replacement with new smoke detectors. Specifically, as reflected in revised TS Table 3.3-11 item 7, heat detectors will be removed from the containment penetration rooms and replaced by smoke detectors.

The previous system design relied upon the heat detectors for actuation of the water supply valves to the fusible head sprinkler system. The new system will rely upon smoke detectors both for alarming the presence of fire in the control room and for the automatic actuation of the water supply valves. The licensee concludes that this change will result in a system which can respond more rapidly to fires.

Based on the considerations discussed above we conclude that the proposed changes are consistent with the staff's findings and requirements reported earlier in the FPSE, involves no compromise to the safe operation of the plant and are, therefore, acceptable.

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Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: June 16, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-368ARKANSAS POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 23 to Facility Operating License No. NPF-6, issued to Arkansas Power & Light Company (the licensee), which revised the Technical Specifications for operation of Arkansas Nuclear One, Unit No. 2 (ANO-2) located in Pope County, Arkansas. The amendment is effective as of the date of issuance..

The amendment modifies the ANO-2 Appendix A Technical Specifications dealing with the operability requirements for fire detectors in the containment penetration rooms.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of the amendment was not required since the amendment does not involve a significant hazards consideration.

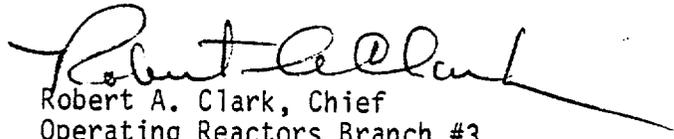
The Commission has determined that the issuance of the amendment will not result in any significant environmental impact and that pursuant to 10 CFR §1.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of the amendment..

- 2 -

For further details with respect to this action, see (1) the application for the amendment dated June 1, 1981, (2) Amendment No. 23 to License No. NPF-6, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Arkansas Tech University, Russellville, Arkansas. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 16th day of June, 1981.

FOR THE NUCLEAR REGULATORY COMMISSION


Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing