

April 11, 1989

Docket No. 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 NO. 90 TO FACILITY OPERATING LICENSE
NO. NPF-6 - ARKANSAS NUCLEAR ONE, UNIT NO. 2 (TAC NO. 56877)

The Commission has issued the enclosed Amendment No.90 to Facility Operating License No. NPF-6 for the Arkansas Nuclear One, Unit No. 2 (ANO-2). This amendment consist of changes to the Technical Specifications (TSs) in response to your application dated January 28, 1985 as revised August 30, 1985.

The amendment modifies Technical Specification (TS) 4.6.2.2.e which requires periodic surveillance testing of the sodium hydroxide addition system. The change clarifies the intent of the flow testing of the system and reduces the flow rate of the test in accordance with the design specifications of the sodium hydroxide system pumps.

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

Sincerely,

/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.90 to NPF-6
2. Safety Evaluation

cc w/enclosures:
See next page

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See changes to FE.



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

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Sincerely,

A handwritten signature in cursive script that reads "Chester Poslusny Jr.".

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.90 to NPF-6
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. T. Gene Campbell
Arkansas Power & Light Company

Arkansas Nuclear One, Unit 2

cc:

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Site Nuclear Operations
Arkansas Nuclear One
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Russellville, Arkansas 72801

Honorable William Abernathy
County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

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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. 90
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 January 28, 1985 as revised August 30, 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.

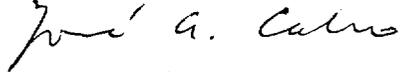
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-6 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.90 , 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


Jose A. Calvo, 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: April 11, 1989

ATTACHMENT TO LICENSE AMENDMENT NO.90

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Revise the following page of the Appendix "A" Technical Specifications with the attached page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

REMOVE PAGE

3/4 6-13

INSERT PAGE

3/4 6-13

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- d. At least once per 18 months, during shutdown, by:
 - 1. Verifying that each automatic valve in the flow path actuates to its correct position on a CSAS test signal.
 - 2. Verifying that each sodium hydroxide addition pump starts automatically on CSAS test signal.
- e. At least once per 5 years by verifying a flow rate of at least 13 gpm through each sodium hydroxide injection path from the sodium hydroxide pump discharge to the containment spray pump discharge.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 90 TO

FACILITY OPERATING LICENSE NO. NPF-6

ARKANSAS POWER AND LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT NO. 2

DOCKET NO. 50-368

INTRODUCTION

By letter dated January 28, 1985 as revised August 30, 1985, Arkansas Power and Light Company (AP&L or the licensee) requested an amendment to the Technical Specifications (TSs) appended to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit 2 (ANO-2). The proposed amendment would revise Technical Specification (TS) 4.6.2.2.e. to clarify the intent of this surveillance testing TS to ensure that there is adequate piping capacity in the sodium hydroxide addition system to deliver the required NaOH to the containment spray line. The change also reduces the specified system's pumps flow rate for the test from 14 gpm to 13 gpm.

EVALUATION

The current TS requires that at least every 5 years, the flow rate through each component and pipe section in each sodium hydroxide injection path from the NaOH tank to the containment spray pump be tested to be a minimum of 14 gpm. The purpose of such a test is to ensure that all sodium hydroxide addition system piping is free of any obstruction and is capable of delivering the necessary flow of the NaOH. It could be misinterpreted to require sodium hydroxide pump tests which are already performed by the licensee on a monthly basis in accordance with ASME Section XI by TS 4.0.5. Further, the current specification of a test flow rate of 14 gpm exceeds the design specification for the pumps (13 gpm $\pm 7\%$) as described in FSAR Section 6.2.

The staff has reviewed the proposed revision and finds that it will make the flow test requirement for the sodium hydroxide addition system consistent with existing TS 4.0.5 and with the approved design flow requirement of the sodium hydroxide system described in the ANO-2 FSAR and approved in NRC's SER for ANO-2 NUREG-0308. The surveillance testing requirements of the TS 4.6.2.2.e combined with the testing requirements TS 4.0.5 meet the intent of the original version of TS 4.6.2.2.e and therefore the staff finds the proposed change to be acceptable.

ENVIRONMENTAL CONSIDERATION

The amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20.

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The staff has determined that the amendment involves 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 exposures. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 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 the amendment.

CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, 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: April 11, 1989

Principal Contributor: Chet Poslusny