

September 12, 1989

Docket No. 50-313

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 NO. 126 TO FACILITY OPERATING LICENSE
NO. DPR-51 - ARKANSAS NUCLEAR ONE, UNIT 1 (TAC NO. 69055)

The Commission has issued the enclosed Amendment No. 126 to Facility Operating License No. DPR-51 for the Arkansas Nuclear One, Unit No. 1 (ANO-1). This amendment consists of changes to the Technical Specifications (TSs) in response to your application dated June 16, 1988 as supplemented on April 27, 1989.

The amendment revises the Technical Specification surveillance test frequency requirements for the radiation monitoring system.

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

Enclosures:

- 1. Amendment No.126 to DPR-51
- 2. Safety Evaluation

cc w/enclosures:
See next page

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[Signature]



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

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Sincerely,

A handwritten signature in cursive script that reads "C. Craig Harbuck".

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

Enclosures:

1. Amendment No. 126 to DPR-51
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. T. Gene Campbell
Arkansas Power & Light Company

Arkansas Nuclear One, Unit 1

cc:

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U.S. Nuclear Regulatory Commission
Office of Executive Director
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Honorable Joe W. Phillips
County Judge of Pope County
Pope County Courthouse
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Ms. Greta Dicus, Director
Division of Environmental Health
Protection
Arkansas Department of Health
4815 West Markam Street
Little Rock, Arkansas 72201



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. 126
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 June 16, 1988 as supplemented on April 27, 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, 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. DPR-51 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 126, 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: September 12, 1989

ATTACHMENT TO LICENSE AMENDMENT NO. 126

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

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

71

INSERT PAGE

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Table 4.1-1 (Cont.)

	<u>Channel Description</u>	<u>Check</u>	<u>Test</u>	<u>Calibrate</u>	<u>Remarks</u>
20.	Reactor Building Spray System Logic Channels	NA	M(1)	NA	(1) Including RB spray pump, spray valves, and chem. add, valve logic channels.
21.	Reactor Building Spray System Analog Channels				
a.	Reactor Building Pressure Channels	NA	M	R	
22.	Pressurizer Temperature Channels	S	NA	R	
23.	Control Rod Absolute Position	S(1)	NA	R	(1) Compare with Relative Position Indicator.
24.	Control Rod Relative Position	S(1)	NA	R	(1) Check with Absolute Position Indicator.
25.	Core Flooding Tanks				
a.	Pressure Channels	S	NA	R	
b.	Level Channels	S	NA	R	
26.	Pressurizer Level Channels	S	NA	R	
27.	Makeup Tank Level Channels	D	NA	R	
28.	Radiation Monitoring Systems other than containment high range monitors (item 57)				(1) Check functioning of self-checking feature on each detector.
a.	Process Monitoring System	S	Q	R	
b.	Area Monitoring System	S	M(1)	R	
29.	High and Low Pressure Injection Systems: Flow Channels	NA	NA	R	

Amendment No. 84, 126



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 126 TO

FACILITY OPERATING LICENSE NO. DPR-51

ARKANSAS POWER AND LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT NO. 1

DOCKET NO. 50-313

INTRODUCTION

By letter dated June 16, 1988 as supplemented on April 27, 1989, Arkansas Power and Light Company (AP&L or the licensee) requested an amendment to the Technical Specifications (TSs) appended to Facility Operating License No. DPR-51 for Arkansas Nuclear One, Unit 1 (ANO-1). The proposed amendment would revise the Technical Specification surveillance test frequency requirements for the radiation monitoring system.

EVALUATION

The proposed amendment would change Technical Specification Table 4.1-1 regarding Item 28, "Radiation Monitoring System other than containment high range monitors." The "Channel Description" would be changed to identify two subparts of the Radiation Monitoring System: Process Monitoring System and Area Monitoring System. Each subpart would have separate surveillance test frequencies specified. The channel check frequency for both subparts would be increased to once per shift from once per week. The channel functional test frequency for the Process Monitoring System would be decreased from monthly to quarterly, and would remain monthly for the Area Monitoring System. Finally, the channel calibration frequency for both subparts would be decreased to once per 18 months from once per quarter.

These proposed surveillance frequencies are consistent with the Radiological Effluent Monitoring Instrumentation Technical Specifications, which require a quarterly channel functional test and a channel calibration every 18 months. They are also identical to the Radiation Monitoring System surveillance frequencies specified in the Arkansas Nuclear One, Unit 2, Technical Specifications, which are consistent with the Combustion Engineering Standardized Format Technical Specifications and the channel calibration frequency (during refueling outages) indicated in Section 12.3 of the Standard Review Plan. Additionally, the decrease in the channel calibration frequency to once every 18 months is justified by a significant record of reliable instrument performance.

Based on the above considerations the staff has determined that the proposed changes are acceptable.

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P PDC

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. 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: September 12, 1989

Principal Contributor: C. Harbuck