

November 23, 1984

DCR016

Docket No. 50-368

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

Dear Mr. Griffin:

The Commission has issued the enclosed Amendment No. 59 to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit No. 2 (ANO-2). This amendment consists of changes to the Technical Specifications (TS) in partial response to your application dated January 5, 1982. The remainder of your request will be handled separately.

The amendment revises the TS pertaining to the fire detection instrumentation. Specifically, Table 3.3-11 is revised to allow replacement of a heat detector in each of the two Emergency Diesel Generator Rooms with two flame detectors in each room.

This change will increase the capability of the fire detection system to achieve early fire warning in that two flame detectors in conjunction with the two existing smoke detectors in each room represent a better fire detection system for the subject area than a heat detector in conjunction with two smoke detectors. A flame detector responds to the appearance of radiant energy, whereas a heat detector is dependent upon the transfer of heat from the heated air to the device. A heat-sensitive device will operate only when the temperature of the device itself reaches its operating temperature. The rate at which a device will reach its operating temperature is dependent on many factors. However, it can be stated that in these areas a flame detector will detect fires faster than a heat detector. Based on the above discussion, we have determined that your proposed change is acceptable.

This 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 exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets 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 this amendment.

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We have also concluded, based on the consideration discussed above, that: (1) there is reasonable assurance 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.

The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

/s/

James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

Enclosure:
Amendment No. 59 to NPF-6

cc w/enclosure:
See next page

ORB#4:DL
PKreutzer
11/20/84

ORB#4:DL
RLeed
11/20/84

ORB#4:DL
JRMiller
11/20/84

AD:MCET
WJohnston
11/21/84

OELD
11/21/84

AD:OR:DL
GLainas
11/23/84

Arkansas Power & Light Company

cc:

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
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Regional Administrator (2)
Nuclear Regulatory Commission
Region IV
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U.S. Environmental Protection Agency
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Mr. Frank Wilson
Director, Division of Environmental
Health Protection
Arkansas Department of Health
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 59
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 5, 1982 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. NPF-6 is hereby amended to read as follows:

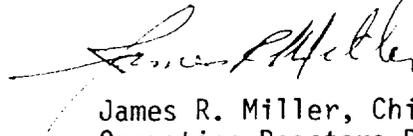
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Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 59 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, except where otherwise stated in specific license conditions.

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

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 23, 1984

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	2	2
Room 2094 - Elev. 369	2	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

ATTACHMENT TO LICENSE AMENDMENT NO. 59

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.

Remove

3/4 3-44

Insert

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	2 (flame)	2
Room 2094 - Elev. 369	2 (flame)	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