



ARKANSAS POWER & LIGHT COMPANY

FIRST NATIONAL BUILDING/P.O. BOX 551/LITTLE ROCK, ARKANSAS 72203/(501) 371-7901

August 1, 1983

JOHN M. GRIFFIN
Vice President
Nuclear Operations

2CAN088305

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Proposed Technical Specification
Change - Fuel Enrichment

Gentlemen:

Attached is a proposed change to the Arkansas Nuclear One - Unit 2 Technical Specification 5.3.1 for your review and approval. This change is needed to allow the use of higher enrichment fuel during the next operating cycle which is the first ANO-2 cycle scheduled to run for 18 months. Reload fuel for the upcoming Cycle 4 will be about 3.88 weight percent enriched. While increasing the limit to 3.9 weight percent would be adequate for Cycle 4, increasing the limit to 4.1 weight percent will allow for possible higher enrichments in subsequent cycles as an equilibrium 18 month cycle is achieved.

We have determined that this change is administrative in nature as it specifies a design limit only and thus does not, in itself, affect a Limiting Condition for Operation or a safety analysis. This change will not permit operation with the higher enriched fuel; it merely permits design and subsequent analysis. Actual operation with fuel designed to this limit will require analysis typically performed for each reload fuel batch.

Operation of ANO-2 in accordance with this change would not 1) involve a significant increase in the probability or consequences of an accident previously evaluated; or 2) introduce the possibility of a previously unanalyzed accident; or 3) involves a significant reduction in a margin of safety. Therefore, in accordance with 10CFR50.92(C), we have determined the proposed amendment as having no significant hazards considerations. The circumstances of this proposed amendment is not exigent or emergency; however, expeditious handling is requested.

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MEMBER MIDDLE SOUTH UTILITIES SYSTEM

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Rec'd w/effec
#1,200

Mr. Robert A. Clark

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August 1, 1983

Pursuant to the requirements of 10CFR170.22, we have determined this to be a Class II amendment. A check in the amount of \$1,200 is remitted.

Very truly yours,


John M. Griffin

JMG/JK/rd

Attachments

cc: Mr. Frank Wilson, Director
Division of Environmental
Health Protection
State Department of Health

STATE OF ARKANSAS)
)
COUNTY OF PULASKI) SS

I, John M. Griffin, being duly sworn, subscribe to and say that I am Vice President, Nuclear Operations for Arkansas Power & Light Company; that I have full authority to execute this oath; that I have read the document numbered 2CAN088305 and know the contents thereof; and that to the best of my knowledge, information and belief the statements in it are true.

John M. Griffin
John M. Griffin

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 2nd day of August, 1983.

Carol E. Eubanks
Notary Public

My Commission Expires:

4-1-85