



ARKANSAS POWER & LIGHT COMPANY

FIRST COMMERCIAL BUILDING/P.O. BOX 551/LITTLE ROCK, ARKANSAS 72203/(501) 371-4422

October 31, 1984

JOHN M. GRIFFIN
Senior Vice President
Energy Supply

1CAN108412

Director of Nuclear Reactor Regulation
ATTN: Mr. J. F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Revision to ANO-1 Cycle 7 Reload Submittal

Gentlemen:

By letter dated September 26, 1984, (1CAN098409), from J. M. Griffin to J. F. Stolz, AP&L submitted proposed changes to the Arkansas Nuclear One, Unit 1 (ANO-1) Technical Specifications to incorporate changes needed for operation during Cycle 7. As previously discussed with your staff, the proposed changes conservatively accounted for the impact of NUREG 0630, "Cladding Swelling Models for LOCA Analysis", with offsetting credit taken for the effects of the FLECSET heat transfer correlation. Supporting information relative to the assessment of the impact of NUREG 0630 and the FLECSET heat transfer correlation was submitted by AP&L by letter dated June 8, 1983, (1CAN068301) from J. R. Marshall to J. F. Stolz.

By letter dated October 12, 1984, (1CAN108402) from J. F. Stolz to J. M. Griffin, NRC requested that AP&L revise the initial Cycle 7 reload submittal to take no credit for the use of the FLECSET heat transfer correlation since the NRC could not assure the review of our June 8, 1983, submittal would be complete in time to support restart of ANO-1. As a result of this request additional analysis has been performed using reduced LOCA linear heat rate limits. The results of this analysis indicated that the originally proposed Technical Specification Limits are adequate even at reduced linear heat rate limits. As discussed in our September 26, 1984, submittal, additional conservatism had been added to the proposed Cycle 7

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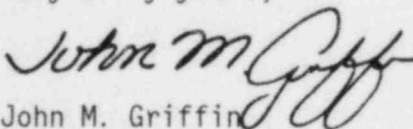
October 31, 1984

Technical Specification limits in order to allow future reloads to be accomplished without the need for Technical Specification changes. This additional margin has been shown to be sufficient to accommodate the impact of the reduced linear heat rate limits.

Based on the analysis discussed above and a review of the originally proposed Cycle 7 Technical Specifications, we find only one portion of the Technical Specifications which is affected by this change in linear heat rate limits. Figure 3.5.2-4, "LOCA Limited Maximum Allowable Linear Heat Rate", of our September 26, 1984, submittal is no longer correct. We note this curve is not a Technical Specification limit, but rather is included for information and referenced by a Technical Specification Bases. In keeping with our original goal of removing cycle dependent limits where possible, we propose to delete this figure and accompanying reference. Revised Technical Specification pages (Attachment 1) to accomplish this are attached. Please note that page numbers will need to be adjusted to accommodate this deletion. In the event you are unable to approve deletion of this curve, in the interest of time, we have also included a revised version of the curve (Attachment 2) showing the new linear heat rate limits. Since this is a revision to a previously submitted change request no "Significant Hazards Determination" or review fee is included.

In order to provide flexibility in the preparation for future reloads we continue to urge you to complete your review of our June 8, 1983, submittal. We note this has been under review by the staff for almost 18 months. During this period we and the B&W owners group have been responsive to staff requests for information and additional commitments. In spite of these efforts it seems this review is not being conducted in a timely manner and in conversations with Mr. Guy Vissing of your staff no explanation for this lengthy delay has been offered. If we can be of any assistance in expediting the staffs review please contact us.

Very truly yours,



John M. Griffin

JMG/DH/ac

Attachments


STATE OF ARKANSAS)
)
COUNTY OF PULASKI) SS

I, John M. Griffin, being duly sworn, subscribe to and say that I am Sr. Vice President of Energy Supply for Arkansas Power & Light Company; that I have full authority to execute this oath; that I have read the document numbered 1CAN108412 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

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 31st day of October, 1984.



Notary Public

My Commission Expires:

4-1-85