



ARKANSAS POWER & LIGHT COMPANY

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July 13, 1983

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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

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 - Units 1 & 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Appendix R- Additional Information
Concerning Scheduler Exemption
Request for Zones 2100-Z and 2101-AA

Gentlemen:

In our July 1, 1982 (ØCANØ782Ø2), transmittal of our Appendix R compliance analysis, and in subsequent correspondence dated July 29, 1982 (ØCANØ78217), we requested an exemption to the schedules imposed by 10CFR50.48 in meeting 10CFR50 Appendix R in order to complete proposed modifications of redundant safe shutdown equipment in fire zones 2100-Z and 2101-AA.

In your June 21, 1983, letter (2CNAØ683Ø2) to us, you requested we submit a revised scheduler exemption request with adequate justification. From previous conversations with our ANO-2 NRC Project Manager, Mr. Bob Lee, we understand adequate justification may consist of several items such as providing proof of procurement of any necessary equipment.

During the time which has transpired since our original exemption request was submitted, several hundred engineering manhours have been expended in investigating and finalizing acceptable designs which will provide solutions to redundancies associated with both the Service Water and Charging pumps.

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Mr. J. F. Stolz
Mr. Robert A. Clark

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In order to resolve concerns with those components, several design elements were evaluated and consolidated in order to develop a system level design which would provide qualified equipment, reliability of a level at least equivalent to the current systems' configurations and safety to operating personnel. Numerous considerations, including relocation of equipment, rerouting of cable, installation of metal clad switchgear, installation of disconnect switches, etc., were evaluated during the course of design development.

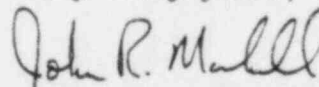
The equipment which will be used in association with the switchgear modifications is of unique design, and significant difficulty was encountered in locating a vendor who could supply the equipment as safety related. Only one vendor is able to provide the necessary documentation, etc., to establish that its equipment meets applicable criteria.

We have initiated purchase proceedings in order to obtain the equipment as soon as possible to ensure installation by the fourth refueling outage (2R4), as proposed in our exemption request. We hope to place the actual purchase order for the Service Water and Charging pump equipment by approximately the second and third weeks in August 1983 respectively. The final delivery dates for these orders cannot be determined at the present time as preliminary drawings and data from the vendor must first be reviewed and approved. However, we are confident that ordered equipment will be delivered and installed by 2R4 as requested.

The fire zones in the auxiliary building affected by the service water and/or charging pump cabling are Zones 2100-Z, 2101-AA, 2073-DD, 2040-JJ, 2006-LL, and 2007-LL. These zones are all equipped with ionization type smoke detectors which alarm in the control room to provide early fire detection capability. Additional fire preventive measures are provided by our Auxiliary Operators, who routinely walk through these zones during the performance of their duties.

We feel these measures, i.e., ordering the equipment, utilizing automatic smoke detection capability, and using our Auxiliary Operators as a "roving" fire watch in the affected areas, represent a good faith effort on our part, and justify your granting our exemption request.

Very truly yours,



John R. Marshall
Manager Licensing

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