



ARKANSAS POWER & LIGHT COMPANY

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May 27, 1982

2CAN058212

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

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Seismic Qualification of Emergency
Feedwater System - Additional Information

Gentlemen:

The attachment to this letter provides the additional information requested in your letter of April 29, 1982 (2CNA048204) regarding seismic qualification of the emergency feedwater system for ANO-2.

Very truly yours,

John R. Marshall
Manager, Licensing

JRM:JK:s1

Attachment

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PDR ADOCK 05000368
P PDR

MEMBER MIDDLE SOUTH UTILITIES SYSTEM

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Arkansas Nuclear One - Unit 2
Seismic Qualification of Emergency Feedwater System
Response to NRC's 4/29/82 Request for Additional Information

Question 1: "Clarify the extent to which your AFW system boundary, considered in your August 7, 1981 response letter, coincides with the boundary defined in GL 81-14."

Response 1: As stated in the ANO-2 FSAR Section 10.4.9.3:

"The EFS is designed to remain functional after a DBE. The pumps, valves, SWS supply lines and the discharge piping are all designed, fabricated and hydrostatically tested to meet the applicable requirements for ASME Code Section III, Class 3 and Seismic Category I components with the exception of isolation valves (2CV-1036, 1037, 1038 and 1039) and downstream piping which are designed, fabricated and tested to meet the applicable requirements for ASME Section III, Class 2 and Seismic Category I components. The condensate water supply line and the flush and recirculation lines downstream of the first isolation valves are designed to ANSI B31.1.0 requirements. The pumps and components of the EFS are all Seismic Category I and are installed within the Seismic Category I Auxiliary Building."

Suction for the EFW system can be taken from either the Startup and Blowdown Demineralizer effluent or the in-use condensate storage tank. However, if off-site power and condensate storage water are unavailable, suction automatically transfers to the Seismic Category I Service Water System (SWS). The EFW system is served by a Seismic Category I power supply.

Question 2: Clarify the extent to which your AFW system is included within the scope of seismic related Bulletins 79-02, 79-04, 79-07, 79-14 and 80-11, and IE Information Notice 80-21.

Response 2: The Emergency Feedwater System, being a safety related Seismic Category I system, was included in the actions required in Bulletins 79-02, 79-04, 79-07, 79-14 and 80-11, and in IE Information Notice 80-21.