

JULY 15 1983

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DMB 016

Docket No. 50-313

Mr. John M. Griffin, Vice President  
Nuclear Operations  
Arkansas Power & Light Company  
P. O. Box 551  
Little Rock, Arkansas 72203

Dear Mr. Griffin:

NRC Generic Letter 81-14, issued pursuant to 10 CFR 50.54(f), requested that you provide information on the seismic qualification of the Auxiliary Feedwater System (AFW) for Arkansas Nuclear One, Unit No. 1 (ANO-1) within our definition of the system boundaries. Generic Letter 81-14 defined the boundary as including branch piping out to the second isolation valve. Your responses to GL 81-14 addressed the AFW out to only the first isolation valve. Further, your responses did not explain or justify the deviation from the request.

In our reviews of this matter, we have developed three stages of acceptability. First, where qualified double isolation valves are provided, the design is immediately acceptable without further review. Second, where only a single isolation valve is provided, the licensee may be able to demonstrate that the single failure criterion remains satisfied. Such an analysis would be reviewed by the staff and, if found adequate, the design would be acceptable. Third, the licensee may present some other basis for the acceptability of the design. Such a basis might involve remedial action that the operator could take before the AFW loses its functional capability following a seismic event. These situations involve additional staff review time but have been accepted for other plants.

In order to complete our review of this issue for ANO-1, we need the following information:

1. Please identify all points at the boundary of the AFW system not protected by double qualified isolation valves. A marked-up schematic diagram (P&ID) should be provided for this purpose.
2. For each point identified for question 1, provide your basis for the acceptability of design with regard to withstanding a postulated Safe Shutdown Earthquake and providing the auxiliary feedwater safety function.

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Mr. John M. Griffin

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We have discussed this with your staff who has indicated that you can provide us a response by July 30, 1983.

The reporting and/or recordkeeping requirements of this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

ORIGINAL SIGNED BY  
JOHN F. STOLZ\*  
John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

cc:  
See next page

OFFICE ▶	ORB#4:DL	C-ORB#4:DL					
SURNAME ▶	GVissering;c	JStolz					
DATE ▶	7/5/83	7/5/83					

Arkansas Power & Light Company

50-313, Arkansas Nuclear One, Unit 1

cc w/enclosure(s):

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