



ARKANSAS POWER & LIGHT COMPANY

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March 16, 1984

1CAN038403

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  
Request for Additional Information on  
Seismic Qualification of the EFW  
System, Generic Letter 81-14

Gentlemen:

Your letter of January 25, 1984, (1CNA018404) requested further information on the seismic qualification of the EFW system in regard to the vent and drain lines. The requested information was discussed with members of your staff and is provided below.

The vent and drain piping and valves connected to the ANO-1 emergency feedwater system are designed, constructed and maintained in accordance with Seismic Category I requirements to assure their integrity in the event of a Postulated Safe Shutdown Earthquake. The single failure analysis of the ANO-1 emergency feedwater system presented in Chapter 10 of our FSAR provides our basis for the acceptability of the design with regard to providing the emergency feedwater safety function under the NRC single failure criterion. Vent and drain valves are not included in this analysis because they are inactive components and are thus not considered to fail as the postulated single failure. Although the vent and drain valves are not considered as part of the single failure analysis, AP&L has reviewed these valves and no single open vent or drain could disable both EFW trains. This is based upon the size and locations of the vents and drains within the EFW system. Also, each vent and drain valve is verified closed before start-up from each refueling outage and accessible vent and drain valves are

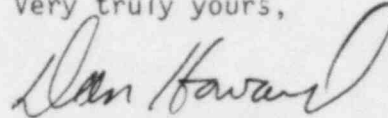
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verified closed during monthly EFW pump testing. Thus, even with a postulated Safe Shutdown Earthquake and the failure of a single vent or drain, emergency feedwater can be provided to the steam generators and thus provide the emergency feedwater safety function.

Very truly yours,



John R. Marshall  
Manager, Licensing



JRM:MCS:ac