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May 10, 1978

Docket No. 50-313

Arkansas Power & Light Company
ATTN: Mr. William Cavanaugh, III
Executive Director, Generation
and Construction Department
P. O. Box 551
Little Rock, Arkansas 72203

Gentlemen:

RE: ARKANSAS NUCLEAR ONE, UNIT NO. 1

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A large number of PWR High Pressure and Low Pressure Safety Injection Systems (HPSI and LPSI) utilize a common low pressure and a common high pressure header to feed the several cold (and in some cases hot) leg injection points. Maintenance of proper flow resistance and pressure drop in the piping system to each injection point is necessary to: (1) prevent total pump flow from exceeding runout conditions when the system is in its minimum resistance configuration; (2) provide a proper flow split between injection points in accordance with the assumptions used in the ECCS-LOCA analyses, and (3) provide an acceptable level of total ECCS flow to all injection points equal to or above that assumed in the ECCS-LOCA analyses. Many plants have either manual or motor operated valve(s) in the lines to each injection point that have electrical or mechanical stops which have been adjusted during pre-operational testing of the plant to ensure that these flow requirements are satisfied.

In view of the safety function associated with the proper setting of valves used to throttle flow in these systems, we consider it appropriate that periodic verification be made of these valve positions. Accordingly, we request that you determine if throttle valves are used to obtain the required flow distribution in the HPSI or LPSI systems. If throttle valves are used, we request that you propose changes to your technical specifications to incorporate the surveillance requirements given in the enclosure.

In the event valves are not utilized to throttle flow in your systems, you should advise us of this fact and no further action will be required.

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The above action should be completed within 60 days of receipt of this letter. In the event you should desire further discussion of this matter, please contact us.

Sincerely,

Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

Enclosure:
Technical Specifications

cc w/enclosure: See next page

OFFICE →	ORB#4:DOR	STSC D	C-ORB#4:DOR		
SURNAME →	G Vissing:rm	J Wetmore	R Reid		
DATE →	5/1/78	5/1/78	5/10/78		

Arkansas Power & Light Company

cc

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