

RReid  
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AEOD, JHeltemes  
ACRS (16)  
RCapra  
Gray file  
J. Joyce  
D. Thacher

**Docket No. 50-313**

**Mr. William Cavanaugh, III**  
**Vice President, Generation**  
**and Construction**  
**Arkansas Power & Light Company**  
**P. O. Box 551**  
**Little Rock Arkansas 72203**

NRC PDR  
L PDR  
TERA  
NSIC  
NRR Rdg.  
ORB#4 Rdg.  
DEisenhut  
BGrimes  
RVollmer  
LShao  
WGammill  
JRMiller  
TJCarter  
WRussell  
Attorney, OELD

**Dear Mr. Cavanaugh:**

The Commission's Confirmatory Order dated May 17, 1979, required you to accomplish, as promptly as practicable, improvement in the timeliness and reliability of the emergency feedwater systems (EFWS) at Arkansas Nuclear One, Unit No. 1. The improvement is also a Category "A" item (2.1.7a) of the short-term recommendations of the Three Mile Island, Unit No. 2 Lessons Learned Task Force (NUREG-0578) but was not included in the Commission's Confirmatory Order of January 2, 1980.

By letter dated October 31, 1979, supplemented by letters dated December 18, 1979, and January 15, 1980, you provided a description of a proposed design for automatic initiation and control of the EFWS independent of the Integrated Control System. You also committed to implement the proposed modifications during the current shutdown if we could complete our review and provide a written approval no later than January 18, 1980. We discussed your proposed design with you on January 18, 1980, at a meeting in our offices.

We have reviewed your design and find that it satisfies the control grade provisions of Item 2.1.7a of NUREG-0578 (Automatic Initiation of the Auxiliary Feedwater System). The proposed design provides for automatic initiation of the EFWS. The proposed automatic initiation signals and circuit provide that a single failure would not result in the complete loss of EFWS Auto Initiation function. The proposed design provides capability for testing of the initiating signals and circuits. The initiating signals and circuits would not result in the loss of the system function. The a-c motor driven pumps and valves in the EFWS would be included in the automatic initiation of the loads on to the emergency buses. The failure of the automatic initiating signals would not result in the loss of manual capability to initiate the EFWS from the control room.

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OFFICE	ORB#4:DOR	ORB#4:DOR	ASB:DOR			
SURNAME	GVassing:kb	RRid	PMatthews		8002040321	
DATE	1/15/80	1/15/80	1/15/80			

Mr. William Cavanaugh, III

-2-

We find your proposed design is acceptable for the Auto Initiation of the Auxiliary Feedwater System (2.1.7a of NUREG-0578) for the short-term and request it be implemented during the current outage.

We also request that proposed Technical Specifications relating to the modifications and the procedures for testing the auto initiating circuit be submitted within 30 days of receipt of this letter.

Sincerely,

Original signed by  
Robert W. Reid

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

cc: See next page

OFFICE						
SURNAME						
DATE						



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

January 18, 1980

Docket No. 50-313

Mr. William Cavanaugh, III  
Vice President, Generation  
and Construction  
Arkansas Power & Light Company  
P. O. Box 551  
Little Rock Arkansas 72203

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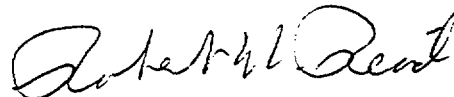
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January 18, 1980

We find your proposed design is acceptable for the Auto Initiation of the Auxiliary Feedwater System (2.1.7a of NUREG-0578) for the short-term and request it be implemented during the current outage.

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Sincerely,

A handwritten signature in dark ink, appearing to read "Robert W. Reid". The signature is fluid and cursive, with the first name "Robert" and last name "Reid" clearly distinguishable.

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

cc: See next page

Arkansas Power & Light Company

cc:

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