

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: Mr. D. L. Ziemann	FROM: Arkansas Power & Light Company Little Rock, Arkansas Mr. Donald A. Rueter	DATE OF DOCUMENT 2/17/77
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DESCRIPTION

Ltr. re our 12/7/76 ltr....furnishing information regarding re-evaluation of ECCS performance.....

PLANT NAME: Arkansas Unit No. 1

ENCLOSURE

ACKNOWLEDGED

DO NOT REMOVE

(2-P)

SAFETY	FOR ACTION/INFORMATION	ENVIRO	2/23/77	RJL
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<input checked="" type="checkbox"/> PROJECT MANAGER: Snaider		PROJECT MANAGER:		
<input checked="" type="checkbox"/> LIC. ASST. : Diggs		LIC. ASST. :		
	<i>H. Smith</i>			
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ASLB:	CONSULTANTS:	
<input checked="" type="checkbox"/> ACRS 16 CYS HOLDING/SENT:	<i>Car. B. (2/23/77)</i>	

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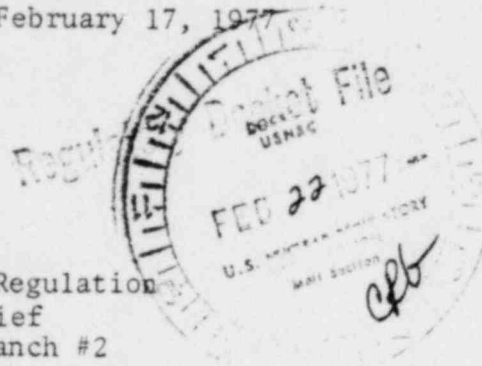


HELPING BUILD ARKANSAS

ARKANSAS POWER & LIGHT COMPANY

P.O. BOX 551 LITTLE ROCK, ARKANSAS 72203 • (501) 371-4000

February 17, 1977



1-027-10

Director of Nuclear Reactor Regulation
ATTN: Mr. D. L. Ziemann, Chief
Operating Reactors Branch #2
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One-Unit 1
Docket No. 50-313
License No. DPR-51
Re-Evaluation of ECCS Performance
(File: 0930, 1510)

Gentlemen:

Your letter of December 7, 1976, requested that we submit a re-evaluation of ECCS performance using an NRC staff approved model that does not use a nucleate boiling heat transfer correlation during blowdown after the critical heat flux (CHF) has been predicted. Per telecons with your Mr. Richard Snaider we informed you of our progress in this area. This letter serves as documentation of that information transmitted by telecon.

Our ECCS evaluation model is based on the B&W Topical Report, BAW-10104A, Rev. 1, March 1976. In a December 2, 1976 letter from Mr. D. F. Ross, Jr., Assistant Director for Reactor Safety, Division of System Safety, Office of Nuclear Reactor Regulation to Mr. K. E. Suhrke, Manager, Licensing, NPGD, Babcock and Wilcox, the above mentioned modification to the B&W ECCS Evaluation Model was requested. In a December 20, 1976 letter report from Mr. K. E. Suhrke to Mr. S. A. Varga, Chief, LWR Branch #4, Division of Project Management, Office of Nuclear Reactor Regulation, the requested revision to the model was proposed. Another letter from Mr. K. E. Suhrke to Mr. S. A. Varga, dated January 24, 1977, supplemented the previous transmittal. Both are now being reviewed by the NRC staff, and indications suggest that approval will be forthcoming in the near future.

The above referenced communications between your staff and B&W are applicable to the Arkansas Nuclear One-Unit 1 ECCS Evaluation. Decisions made concerning the B&W Evaluation Model as contained in the topical should be,



Mr. D. L. Ziemann
1-027-10

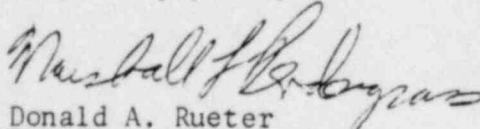
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February 17, 1977

and are, considered to be decisions made on the ANO-1 Evaluation. Thus, upon receipt of your approval of B&W's revision to their model, this question on the ANO-1 docket will be closed.

If you have any questions and/or comments, please contact us.

Very truly yours,


for Donald A. Rueter
Manager, Licensing

DAR:RMC:tw