

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: Mr. R.W. Reid

FROM: Ark. Power & Light Co.
Little Rock, Ark. 72203
D. H. Williams

DATE OF DOCUMENT
4-21-78

DATE RECEIVED
4-24-78

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DESCRIPTION Ltr furn addl info on ECCS small break analysis interim solution.....1P

PLANT NAME :Ark. One Unit 1 DHL 4-24-78

DIST PER R. INGRAM 4/24/78

ENCLOSURE

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POOR QUALITY PAGES

SAFETY		FOR ACTION/INFORMATION		ENVIRONMENTAL	
ASSIGNED AD:		ASSIGNED AD:		ASSIGNED AD:	V. MOORE (LTR)
BRANCH CHIEF:		BRANCH CHIEF:		BRANCH CHIEF:	
PROJECT MANAGER:		PROJECT MANAGER:		PROJECT MANAGER:	
LIC. ASST:	195	LIC. ASST:	R. INGRAM	LIC. ASST:	
				LIC. ASST:	B. HARLESS

INTERNAL DISTRIBUTION			
REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
NRC PDR	P. MATTSON	TEDESCO	ENVIRON ANALYSIS
I & E	SCHROEDER	BENAROYA	DENTON & MULLER
OELD		LAINAS	CRUTCHFIELD
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAUER	KNIGHT	F. ROSA	ENVIRON TECH
MIPC	BOSNAK		ERNST
CASE	SIHWEIL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH
SKOVHOLT	ROSS	BAER	GAMMILL (2)
P. COLLINS	NOVAK	BUTLER	
HOUSTON	ROSZTOCZY	GRIMES	SITE ANALYSIS
MELTZ	CHECK		VOLLMER
HELTEMES			BUNCH
SK	AT & I		J. COLLINS
	SALTZMAN		KREGER
	RUTBERG		

EXTERNAL DISTRIBUTION		CONTROL NUMBER	
LPRD: <i>Russellville Ark</i>	NAT LAB:		
TIC			
NSIC		781140291	<i>ECS</i>
REG V (J. HANCHETT)			
16 CYS SENT CATEGORY	TO ACRS	8004280713	<i>611 P</i>



DISTRIBUTION SERVICES UNIT

ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203
APR 21 1978

April 21, 1978

DISTRIBUTION SERVICES BRANCH

1-048-15

Director of Nuclear Reactor Regulation
ATTN: Mr. R. W. Reid, Chief
Operating Reactors Branch #4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One-Unit 1
Docket No. 50-313
License No. DPR-51
Reportable Occurrence No. 50-313/78-9
ECCS Small Break Analysis
Interim Solution
(File: 0520)

Gentlemen:

As a followup to Mr. Rueter's letter on the above captioned subject earlier today, the following information is provided in response to Mr. Vissing's requests for additional information.

Based on communication with B&W we believe that 100% Full Power (FP) operation with one makeup pump in operation combined with our proposed interim fix provides substantial margin to 10CFR50.46.

We will submit the results of the B&W analysis including break spectrum, identification of worst break, justification for adequacy of core uncover temperatures, and justification that time scale for operator is within analysis assumptions, as soon as they are available.

We will submit a Technical Specification change request (per your request) as appropriate to implement the interim fix.

We will submit a proposal for a long term fix, with less reliance on a high state of operator readiness, within three (3) months of this date.

Very truly yours,

Daniel H. Williams
Manager, Licensing

DHW:JTE:tw