



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

APRIL 09 1981

Dockets Nos. 50-269/270/287/289/302/312/313 and 346

FACILITIES: Oconee 1, 2 and 3, Three Mile Island 1, Rancho Seco, Arkansas Nuclear One Unit 1, Davis-Besse 1, and Crystal River Unit 3

LICENSEES: Babcock and Wilcox Reactor Owner Group - Duke Power Company, Metropolitan Edison Company, Sacramento Municipal Utility District, Arkansas Power and Light Company, Toledo Edison Company and Florida Power Corporation

SUBJECT: SUMMARY OF MEETING WITH THE B&W OWNERS GROUP CONCERNING PROPOSED RESPONSES TO NRC INFORMATION REQUEST OF JANUARY 9, 1981, REGARDING ASYMMETRIC LOCA LOADINGS

Introduction

By letter dated January 9, 1981, we requested from each B&W NSS owner additional information as a result of our review of the B&W 177-FA Owners Group submittal on "Effects of Asymmetric LOCA Loadings - Phase II Analysis" - B&W 1597 dated February 1980 and B&W 1621 dated July 1980. Since there were a lot of questions and the responses would be quite complicated, we suggested that we convene a meeting with the Owners Group to discuss the responses before formal responses were submitted. Such a meeting was held on April 2 and 3, 1981, at the NRC offices in Bethesda, Maryland. The attendees are identified in Enclosure 1.

Discussion and Conclusions

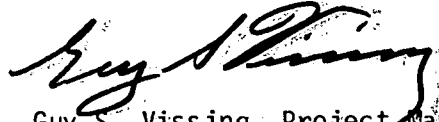
Each item of the request of January 9, 1981, was discussed on how it would be addressed in the formal response-by reference to documentation in the docket files, by detailed data and drawings and/or by background information and explanation. Enclosure 2 provides a summary of the proposed method of responses.

The proposed responses were discussed for their acceptability; a clear understanding on what would be acceptable by the staff was provided; and there appeared to be a general acceptance as to what would be expected in the formal responses. However, to assure that the formal responses would be complete and the issues be resolved to the fullest degree possible, the Owners Group requested another meeting with the staff after the staff would have an opportunity to review a draft of the responses.

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The Owners Group committed to provide the staff a draft of the responses by June 26, 1981. A meeting of the staff and Owners Group to discuss the draft responses was scheduled for 10:00 am July 16, 1981, at the NRC Offices in Bethesda.



Guy S. Vissing, Project Manager
Operating Reactors Branch #4
Division of Licensing

Enclosures:

1. List of Attendees
2. Summary of Proposed Methods of Responses

cc w/enclosures:
See last page

ATTENDANCE LIST
MEETING WITH B&W OWNERS GROUP
CONCERNING
ASYMMETRIC LOCA LOADINGS

Enclosure 1

APRIL 2 & 3, 1981

	Attendance	
	April 2	April 3
<u>NRC</u>		
Guy S. Vissing	X	X
G. A. Schwenk	X(Part time)	
A. J. Cappucci	X" "	
Jack Page	X" "	
J. Rajan	X	X
E. Chelliah	X	X
Garry G. Young		X
James Shea	X(Part time)	
<u>EG&G Idaho</u>		
Randy Lippert	X	X
O. Mark Hanner, Jr.	X	X
Richard Rahl	X	X
<u>EDS Nuclear</u>		
Gerry Slagis	X	X
John Edinger	X	X
<u>B&W</u>		
Barry J. Short	X	X
W. C. Nester	X	X
Wm. D. Maxhem	X	X
D. L. Howell	X	X
<u>GPU Nuclear</u>		
Lou Lanese	X	X

	Attendance	
	April 2	April 3
<u>FPC</u> Joe Vattamattam	X	X
<u>AP&L</u> Larry D. Young		X
<u>TECo</u> John K. Wood		X
<u>SMUD</u> R. A. Dieterich		X
<u>DPC</u> R. S. Bhatnagan		X
<u>NUS Corporation</u> Mike Schoppman		X

[illegible]

A-2 B&W OWNER'S GROUP QUESTIONS AND ANSWERS

No.	QUESTION	PROPOSED RESPONSE			
		REFERENCE	DETAILED DATA/DWG.	BACKGROUND INFOR./EXPLAN.	REMARKS
	2.1			✓	
	2.2			✓	
	2.3			✓	
	2.4			✓	
	2.5			✓	
	2.6		✓	✓	TABLE
	2.7	✓			FIGURE 4.1-1
	2.8	✓		✓	FIGURE 4.1-1
	2.9		✓	✓	
	2.10		✓	✓	
	2.11			✓	
	2.12			✓	
	2.13			✓	METHOD WILL BE PROVIDED
	* 2.14	✓		✓	
	2.15			✓	
	2.16			✓	
	2.17		✓		TABLE
	2.18		✓		TABLE
	2.19			✓	
	2.20		✓		
	2.21	NEED PRESSURE + FORCE TIME HISTORIES ACROSS CORE BARREL, FUEL TOP & BOTTOM, FOR INLET & OUTLET BREAK.			
	2.22			✓	
	2.23	✓			FIGAR 4.22.2, ITEM 8 4.22.3
	2.24			✓	SECTION 4.1 NOT TO BE PROVIDED

A-2 B&W OWNER'S GROUP QUESTIONS AND ANSWERS

[illegible]

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No.	QUESTION	PROPOSED RESPONSE			
		REFERENCE	DETAILED DATA/DWG.	BACKGROUND INFOR./EXPLAI.	REMARKS
	3.1			✓	
	3.2	✓			
	3.3			✓	
	3.4			✓	
	3.5			✓	
	3.6			✓	
	3.7	✓		✓	REFER TO SEC. OF TOPICAL
	3.8			✓	
	3.9			✓	
	3.10			✓	ANSWER IS NO
	3.11		✓	✓	
	3.12	✓		✓	
	3.13		✓		
	3.14		✓	✓	SUPPLY ADDITIONAL DATA ON PIPING STRESSES
	3.15			✓	
	3.16			✓	
	3.17	✓			
	3.18	✓			
	3.19	✓		✓	
	3.20	✓			SRP 3.9.3
	3.21		✓	✓	
	3.22			✓	
	3.23			✓	
	3.24		✓		TABLE WITH ALLOWABLES

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No.	QUESTION	PROPOSED RESPONSE			
		REFERENCE	DETAILED DATA/DWG.	BACKGROUND INFOR./EXPLAN.	REMARKS
	3.25			✓	
	3.26			✓	
	3.27			✓	
	3.28			✓	
	3.29		✓		TABLE
	3.30			✓	SIMPLE CALCULATION
	3.31			✓	
	3.32			✓	
	3.33			✓	
	3.34			✓	DESCRIBE WHERE APPLIED IN MODEL
	3.35			✓	
	3.36			✓	
	3.37			✓	PROVIDE EXAMPLE
	3.38			✓	DEFINE LOOPS
	3.39		✓		APPLIED VS RESPONSE
	3.40		✓		
	3.41	✓	✓		REF. TOPICAL 1010.3, 1010.4, 1013.2 PA
	3.42	✓			CALL EG & G - REFERENCE
	3.43			✓	
	3.44			✓	
	3.45	✓	✓		TABLE
	3.46			✓	
	3.47		✓	✓	DETAILS ON ONE PLANT SHORT DESCRIPTION OF OTHERS
	3.48			✓	

A-2 B&W OWNER'S GROUP QUESTIONS AND ANSWERS

[illegible]

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No.	QUESTION	PROPOSED RESPONSE			
		REFERENCE	DETAILED DATA/DWG.	BACKGROUND INFOR./EXPLAN.	REMARKS
	ANO-1.1		✓	✓	
	ANO-1.2	✓		✓	DEFINE WHAT RESTRAINTS 2+3 REPRESENT
	CR3-1.0	✓		✓	
	CR3-2.0				NO PLANS TO MODIFY. PAGE 9-8.1 WILL BE CORRECTED.
	CR3-3.0				
	CR3-4.0	✓			
	CR3-5.0		✓	✓	
	DB1-1.0			✓	
	DB1-2.0		✓		LOCA RING
	O-1.0	✓	✓		SECTION 12.4
	O-2.0	✓	✓		
	RS-1.0		✓	✓	
	RS-2.0	✓			TABLE 9.8.6. FIG. 4.1-1
	TMI1-1			✓	PART d WILL REFER LETTER TO NRC
	TMI1-2	✓			REFER TO LETTER TO NRC
	TMI1-3	✓			
	TMI1-4a		✓		
	TMI1-4b			✓	
	TMI1-4c			✓	
	TMI1-4d			✓	
	TMI1-4e			✓	

MEETING SUMMARY DISTRIBUTION

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& Florida Power Corporation

* Copies also sent to those people on service (cc) list for subject plant(s).

Docket File-8
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Heltemes, AEOD
IE-3
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Meeting Summary File-ORB#4
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