

OCTOBER 12 1979

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## Generic Task A-2

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

MEMORANDUM FOR: ~~George C. H. Shao, Acting Assistant Director for~~  
~~For Engineering Programs~~  
 Division of Operating Reactors

THRU: Vince Noonan, Chief  
 Engineering Branch  
 Division of Operating Reactors

FROM: Steven B. Hosford, Task Manager (A-2)  
 Division of Operating Reactors

SUBJECT: SUMMARY OF MEETING ON AUGUST 8, 1979, WITH BABCOCK  
 & WILCOX OWNERS TO DISCUSS THE STATUS OF THEIR  
 ASYMMETRIC LOCA LOADS EVALUATION

The staff met with the Babcock & Wilcox Owners on August 8, 1979, to discuss their current progress and projected schedule for completing the Asymmetric LOCA Loads Evaluation. A summary of the B&W Owners progress to date is provided in the Enclosure.

The B&W Owners informed the staff of a projected slip in their schedule. The new schedule projects a slip of approximately 4 months, to July 1980. The new schedule also excludes consideration of the Steam Generator and Reactor Coolant Pump Cavity Loads Analysis, which was not rescheduled at this time.

The staff informed the B&W Owners that a report providing a sufficient amount of the required analysis should be completed and submitted, for each plant, in the required January 1980 time frame. The report on each plant should provide the staff with adequate information to assess the safety significance of extending this schedule for approximately 4 months. The staff will provide further guidance on the scope of this analysis, as requested by the B&W Owners.

Steven B. Hosford, Task Manager (A-2)  
 Division of Operating Reactors

Enclosure: See next page

OFFICE ➤		DOR: EP <i>JAR</i>	DOR: EP <i>JAR</i>	DOR: EB <i>VN</i>	DOR: EP <i>VN</i>
SURNAME ➤		<i>K. Wickman</i>	SHosford:lb	VNoonan	LShao
DATE ➤		10/10/79	10/9/79	10/11/79	10/11/79

FOR THE RECORD:

As of, \_\_\_\_\_, TERA Corp., has not placed this document in the Document Control System and has not returned the second "Docket File" copy. Consequently, this "only copy" is being filed without an accession number and under the docket number for the first unit.

THE FILES

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Generic Task A-2  
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MEMORANDUM FOR: Stephen C. Hosford, Acting Assistant Director for  
Engineering Programs  
Division of Operating Reactors

THRU: Vince Noonan, Chief  
Engineering Branch  
Division of Operating Reactors

FROM: Steven B. Hosford, Task Manager (A-2)  
Division of Operating Reactors

SUBJECT: SUMMARY OF MEETING ON AUGUST 8, 1979, WITH BABCOCK  
& WILCOX OWNERS TO DISCUSS THE STATUS OF THEIR  
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The staff informed the B&W Owners that a report providing a sufficient amount of the required analysis should be completed and submitted, for each plant, in the required January 1980 time frame. The report on each plant should provide the staff with adequate information to assess the safety significance of extending this schedule for approximately 4 months. The staff will provide further guidance on the scope of this analysis, as requested by the B&W Owners.

Steven B. Hosford, Task Manager (A-2)  
Division of Operating Reactors

Enclosure: See next page

OFFICE →		DOR: EP	DOR: EP	DOR: EB	DOR: EP
SURNAME →		SHosford: lb	VNoonan	LShao	
DATE →		10/9/79	10/11/79	10/11/79	

L. C. Shao

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OCTOBER 12 1979

Enclosures:

1. Completed Work
2. List of Attendees

cc w/encl:

H. Denton  
E. Case  
D. Eisenhut  
F. Schroeder  
B. Grimes  
R. Vollmer  
W. Gammill  
J. Miller  
J. Knight  
R. Tedesco  
V. Noonan  
P. Check  
G. Lainas  
D. Crutchfield  
A. Schwencer  
D. Ziemann  
T. Ippolito  
R. Reid  
B. Bosnak  
Z. Rosztoczy  
K. Kniel  
W. Butler  
R. Fraley, ACRS (16)  
NRC Staff Participants  
OI&E (3)  
OELD  
Lou Lanese (6)

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SURNAMES	SHosford:lb	VNoonan	LCShao			
DATE	10/3/79	10/ /79	10/ /79			

LIST OF ATTENDEES

BABCOCK & WILCOX GROUP MEETING

AUGUST 8, 1979

NRC

S. Hosford  
C. G. Tinkler  
L. Shao

Babcock & Wilcox

D. L. Howell  
J. E. Galford  
R. E. Ham  
W. R. Speight

TECo

J. K. Wood

Florida Power Corp.

J. V. Vastamattam

Arkansas Power & Light

D. G. Mardis

Duke Power Co.

R. L. Gill

SMUD

R. A. Dieterich

Met. Ed.

R. A. Lenge

GPU Service Corp.

L. Lanese

OFFICE ➤						
SURNAME ➤						
DATE ➤						

ASYMMETRIC LOCA LOADS EVALUATION  
OVERVIEW OF PROGRESS AND COMPLETED WORK

0 ANALYSES AND TECHNICAL DOCUMENTS

- BAW 1506 "ASYMMETRIC LOCA LOADS EVALUATION - PHASE 1"
- BAW 1538 "ASSUMPTIONS, METHODOLOGY, AND ACCEPTANCE CRITERIA - PHASE 2"
- BAW 1517 "EFFECT OF HYDRODYNAMIC MASS COUPLING ON THE TRANSIENT RESPONSE OF REACTOR INTERNALS TO ASYMMETRIC LOCA LOAD"

0 CAVITY PRESSURES

- MASS AND ENERGY CALCULATIONS FOR ALL PLANTS
- MODIFIED AND RECERTIFIED CRAFT CODE PER NRC REQUEST (I.E., CHOKES IN ALL FLOW PATHS -- MOODY DISCHARGE COEFFICIENT,  $C_D = 0.6$ , APPLIED WHERE CHOKED FLOW OCCURS)
- CAVITY PRESSURE CALCULATIONS COMPLETED FOR TWO PLANTS; REMAINDER BY SEPTEMBER.
- EVALUATION OF FIVE SPECIFIC CAVITY DESIGNS

0 INTERNALS PRESSURES

- REACTOR INTERNALS ASYMMETRIC PRESSURES AND  $\Delta P_s$

0 STRUCTURAL MODELING AND ANALYSIS

- REACTOR INTERNALS MODEL
- FUEL ASSEMBLY MODEL
- REACTOR VESSEL SUPPORT EMBEDMENT SPRING RATES
- PIPE WHIP ANALYSES FOR TWO OF SEVEN PLANTS - BREAK OPENING AREAS AND OPENING TIMES

0 SPECIAL TECHNICAL PROGRAMS

- DEVELOPMENT OF HYDRODYNAMIC MASS COUPLING
- COMPARISON STUDIES BETWEEN THE CODES CRAFT AND COMPARE