

OCT 21 1977

*Center  
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MEMORANDUM FOR: Karl R. Goller, Assistant Director for Operating Reactors, DOR

FROM: Darrell G. Eisenhut, Assistant Director for Operational Technology, DOR

SUBJECT: B&W OVERPRESSURE MITIGATING SYSTEM

PLANT NAMES: Arkansas 1; Crystal River 3; Oconee 1,2,3; Rancho Seco; Three Mile Island 1

DOCKET NOS.: 50-298, 302, 269, 270, 287, 312, 289

RESPONSIBLE BRANCH AND PROJECT MANAGERS: ORB#1, ORB#2, ORB#4  
R. Snaider, C. Nelson, D. Neighbors,  
L. Olshan, G. Zwetzig

OPERATING TECHNOLOGY BRANCH INVOLVED: Reactor Safety

REVIEW STATUS: Continuing

The Reactor Safety Branch has completed preliminary review of the overpressure mitigating system on operating B&W reactors and has found that the criteria established by the NRC are not fully met.

The NRC criteria are satisfied for all the transients postulated with the exception of an inadvertent safety injection with failure of the single low set point PORV which results in violation of Appendix G pressure-temperature limits prior to the time when operator action is allowed. Although a pressurizer bubble is available as backup, operator action is required prior to 10 minutes for this limiting mass addition transient.

Enclosed is a letter to be transmitted to all operating B&W licensees to inform them of the situation and request further action on the problem.

Davis Besse 1 is different from reactors listed above and should not receive the letter.

Darrell G. Eisenhut, Assistant Director  
for Operational Technology  
Division of Operating Reactors

Enclosure:  
As stated

cc: (See Next Page)

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*memo 4*

Karl Goller

- 2 -

cc: V. Stello  
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DATE >	10/18/77	10/18/77	10/19/77	10/21/77		