

Babcock & Wilcox

Power Generation Group

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June 8, 1979

Dr. R. J. Mattson, Director
Division of System Safety
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. Mattson:

Subject: NRC Request for Additional Small Break Analyses

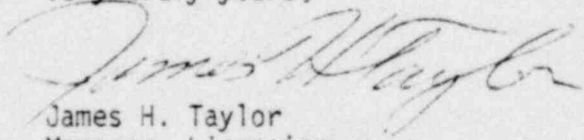
On May 15, 1979, Dr. Rosztoczy called B&W to request some additional small break analyses related to reactor coolant pump operating assumptions. This request was repeated in a telephone conversation on June 8. The requested analyses consisted of the following:

- 1) Perform an analysis for the worst case break with the RC pumps running, AFW available, with normal Appendix K assumptions (single failure). If the RC pumps trip at the worst time, what are the consequences?
- 2) Same as case/s 1) except no AFW should be utilized.

It should be noted that "worst case break" and "worst time" are undefined, and the analyses should demonstrate that all breaks and times are covered. It is my impression that Dr. Rosztoczy is concerned about the possibility of high system void fractions evolving in this scenario and that subsequent loss of the RC pumps, for some undetermined reason, will lead to unacceptable consequences.

We intend to discuss this work further with our utility customers on June 13 and will advise you of the outcome of that meeting.

Very truly yours,


James H. Taylor
Manager, Licensing

JHT:dsf
cc: Zoltan Rosztoczy (NRC)
Tom Novak (NRC)
R. B. Borsum (B&W)

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