



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

MAR 20 1977

MEMORANDUM FOR: T. Ippolito, Chief, Instrumentation and Control
Systems Branch, DSS

FROM: R. Fitzpatrick, Power Systems Branch, DSS

THRU: Fausa Rosa, Chief, Power Systems Branch, DSS *F.R.*

SUBJECT: SUMMARY OF MEETING WITH BABCOCK & WILCOX

On March 10, 1977 we met with Babcock & Wilcox concerning a proposed revision to the B-SAR-205 design. The proposal is to have a more wide-spread use of fiber-optics for electrical isolation purposes. The B&W goal of the meeting was to ascertain how this type of revision at the current licensing stage would affect PDA issuance and what type of information would be needed by the electrical reviewer to expedite the review. We told B&W that if the information delineated below was received soon in an amendment, we could include this in our SSER and therefore did not see this as having a delaying effect on the PDA. The following is a list of items that were given to B&W as requirements for the electrical review, with the understanding that these requirements were subject to your approval upon your return from official travel in Europe:

1. B&W submitted a proposed B-SAR-205 amendment to the project manager to get our reaction and form the basis for the meeting. B&W will officially submit this amendment augmented by the items below.
2. Information will be included to describe the preliminary testing recently completed by a major subcontractor.
3. We require an amended response to Item 033.51 which addresses test plans, set ups, acceptability goals, etc. for the qualification testing.
4. One year prior to the first FSAR submittal based upon the B-SAR-205 design, we required the results of all qualification tests. This includes electrical, environmental, and electromagnetic interference.
5. We required a technical description of the fiber optics scheme with supporting diagrams.

T. Ippolito

-2-

6. We required a description of the physical arrangement of the isolation devices.
7. We required a failure modes and effects analysis on the isolation scheme to demonstrate that the credible failure modes result in the protection systems proceeding in a safe direction.

A list of meeting attendees is enclosed.

Robert Fitzpatrick
Power Systems Branch
Division of Systems Safety

Attachment 3

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301-492-7000

FACSIMILE SERVICE REQUEST

DATE: 04/08/77

MESSAGE TO: J. HARPELL

TELECOPY NUMBER: 804 384 7773

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MESSAGE FROM: T. Cox

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