FEB 2 4 1977

Docket No.: STN 50-561

MEMORANDUM FOR: Domenic B. Vassallo, Assistant Director for Light Water Reactors, DPM

FROM: Richard H. Vollmer, Assistant Director for Site Analysis, DSE

SUBJECT: CHANGE IN ACCIDENT ANALYSIS BRANCH SER INPUT ON B-SAR-205

PLANT NAME: Babcock and Wilcox Standard Nuclear Steam Supply System
LICENSING STAGE: PDA
DOCKET NUMBER: STN 50-561
MILESTONE NUMBER: 24-31
RESPONSIBLE BRANCH: LWR #3; T. Cox, LPM
REQUESTED COMPLETION DATE: N/A
REVIEW STATUS: AAB SER Input Complete

AAB has reviewed Amendment Nos. 8, 9, and 10 to the B-SAR-205 application. Based on this review some additions and changes to the SER have been made. Please incorporate the attached material into the SER.

W. Kreger for

Richard H. Vollmer, Assistant Director
for Site Analysis
Division of Site Safety and
Environmental Analysis

Enclosure:
Changes to B-SAR-205 SER

cc: S. Hanauer
H. Denton
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Distribution
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DATE ▶	2/23/77	2/27/77	2/24/77	2/24/77		

AAB UPDATE OF THE B-SAR-205 SER

February 18, 1977

Add the following section:

15.X.5 Rupture of Process Equipment

Accidents involving process equipment such as the deborating demineralizer and degasifier and the RC bleed holdup tank have been postulated to determine potential off-site doses. These calculations are used in conjunction with the guidelines of Regulatory Guides 1.26 and 1.29 to determine the appropriate quality group classification.

B & W has specified the radiation source terms resulting from the postulated failure of these components. B & W has indicated that the applicant's SAR will confirm the quality group classification based on these source terms and on actual site meteorology. An interface requirement nas been established. We concur with this approach in satisfying the guidelines in Regulatory Guides 1.26 and 1.29.

Make the following changes:

1. Table 15-1, Rod Ejection - Case 2. Change the 2-hour dose to the thyroid from 81 to 78 rem.
2. Table 15-3, Case 2 replace the assumptions with the following:
   a. 36 percent fuel with clad failures after accident.
   b. Release of total gap activity in failed fuel.
   c. Pressure equalization between primary and secondary reached in sixty minutes.
   d. Cooling rate 75° per hour.