NOV 1 0 1972

Docket Nos. 50-270
and 50-287

R. C. DeYoung, Assistant Director for Pressurized Water Reactors
Directorate of Licensing

MEETING WITH DUKE POWER COMPANY AND BABCOCK AND WILCOX
OCONEE UNITS 2/3 ECCS ANALYSIS - NOVEMBER 3, 1972

Enclosed is a summary of the meeting held on November 3, 1972 with Duke Power Company and Babcock and Wilcox. An agenda and attendance list are also enclosed.

Original Signed by
Irving A. Peltier

I. A. Peltier, Acting Chief
Pressurized Water Reactors Branch No. 4
Directorate of Licensing

Enclosures:
1. Meeting Summary
2. Meeting Agenda
3. Attendance List

cc w/encls:
R. S. Boyd
D. Skovholt
D. Knuth
R. Maccary
R. Tedesco
H. Denton
PWR Branch Chiefs
R. W. Klecker
M. Rosen
RO (3)
AEC PDR
REG Attendees

DISTRIBUTION
Docket (2)
RP Reading
PWR-4 Reading
IAPeltier
EGoulbourne

POOR ORIGINAL

OFFICE ▶	PWR-4					Memo
SURNAME ▶	IAPeltier:emp					
DATE ▶	11/ 9 /72					

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MEETING WITH DUKE POWER COMPANY AND BABCOCK AND WILCOX COMPANY

OCONEE 2/3 ECCS ANALYSIS

November 3, 1972

SUMMARY

Reflood Model - There was considerable technical discussion of the differences between the reflood model (REFLOOD) used by B&W on the Oconee application and the reflood model (Flood-1) used by the staff. B&W stated that the differences between the two models would not make a difference in the peak cladding temperatures calculated for the vent valve plants because the influence of the reflooding comes after peak temperatures. B&W was told by the staff that Duke will be asked to recompute peak cladding temperatures for a spectrum of breaks using the CRF model (carryover rate fraction model) in the REFLOOD (B&W) code assuming several core flux shapes.

Core Flood Line Break - The Duke-B&W core flood line break analysis is at variance with the interim criteria acceptable ECCS analysis model, in as much as complete flood tank water bypass was not assumed. B&W was advised that it will need to show by analysis that assuming less that complete bypass is technically conservative.

Small Break Analysis - No major problems were surfaced in the discussion of this analysis. B&W was advised that Duke will be requested to analyze the 0.5 ft^2 break using the same method as used on the 0.3ft^2 break in order to provide an overlap point between the small break model and the interim criteria model.

MEETING WITH DUKE POWER COMPANY AND BABCOCK AND WILCOX COMPANY

AGENDA

November 3, 1972

1.	Reflood Model and Rates Quality - Steam Generation Flow Blockage ECCS Initial Conditions Flecht Set - Test 5	10:15 - 1:00 p.m.
2.	Core Flood Line Break Entrainment Assumptions Throw Away of Water	2:00 - 4:00 p.m.
3.	Small Break Analysis Model Prescription Noding Comparisons	4:00 - 5:00 p.m.

MEETING WITH DUKE POWER COMPANY AND BABCOCK AND WILCOX COMPANY

OCONEE ECCS MEETING

ATTENDANCE LIST

November 3, 1972

R. V. Straub	Babcock & Wilcox
K. S. Canady	Duke Power Company
P. H. Barton	Duke Power Company
B. Buckley	AEC - Licensing
T. O. Johnson	Babcock & Wilcox
J. F. Mallay	Babcock & Wilcox
J. E. Mecca	Babcock & Wilcox
K. C. Shieh	Babcock & Wilcox
B. E. Bingham	Babcock & Wilcox
D. H. Roy	Babcock & Wilcox
L. R. Pletke	Babcock & Wilcox
B. M. Dunn	Babcock & Wilcox
H. Sullivan	AEC - Licensing
D. F. Ross	AEC - Licensing
A. Schwencer	AEC - Licensing
R. Ferguson	AEC - Licensing
I. Peltier	AEC - Licensing
H. Schierling	AEC - Licensing
D. Davis	AEC - Licensing
B. Buckley	AEC - Licensing
R. Audetto	AEC - Licensing
D. Knuth	AEC - Licensing
V. Stello	AEC - Licensing
R. Frahm	AEC - Licensing
C. E. Parks	Babcock & Wilcox
N. Lauben	AEC - Licensing