

Babcock & Wilcox

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June 19, 1981



Mr. Robert L. Tedesco
Assistant Director Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: B&W Topical Report BAW-10148, REFLOD 3

References: J. H. Taylor (B&W) letter to Robert L. Tedesco (NRC) of April 23, 1981; subject: B&W Revisions to THETA1-B, BAW-10094, Rev. 3.

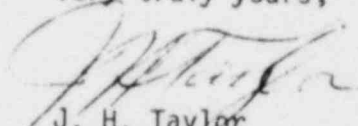
Dear Mr. Tedesco:

Attached are forty (40) copies of topical report BAW-10148, "REFLOD 3 - Model for Multinode Core Reflooding Analysis". This report is intended, when approved, to replace BAW-10093, "REFLOOD - Description of Model for Multinode Core Reflood Analysis", March 1974. REFLOD 3 is very similar to REFLOOD. REFLOOD is written in a MIMIC digital simulation language. REFLOD 3 is written in Fortran digital language. Other differences are listed in Appendix G of the attached REFLOD 3.

REFLOD 3 will be used by B&W in the calculation of core reflooding rates for future large break LOCA analysis. The first anticipated use will be to reanalyze the LOCA kw/ft limits with inputs from the TACO 2 code as discussed in the reference letter. You are requested to expedite your review of REFLOD 3 so that these above analyses can begin soon after TACO 2 is approved by the NRC Staff.

Should you require further information on this submittal, please contact me or Henry Bailey (Ext. 2678).

Very truly yours,


J. H. Taylor
Manager, Licensing

JHT:HJB:dcr

cc: Ralph Meyer (NRC)
Bob Borsum (B&W)

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