



10CFR50.46(a)(3)(ii)

May 27, 1994

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U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Errors or Changes in the Emergency Core Cooling System Evaluation;
Annual Report For 1993

Gentlemen:

10CFR50.46(a)(3)(ii) requires licensees to report each change to or error discovered in an acceptable evaluation model or in the application of such model for the emergency core cooling system (ECCS) at least annually and the estimated effect these changes or errors have on the limiting ECCS analysis. The purpose of this submittal is to provide the information required by 10CFR50.46(a)(3)(ii) for Arkansas Nuclear One (ANO), Units 1 and 2 for the reporting period from December 1992 through December 1993.

ANO-1

No significant changes or errors (peak cladding temperature change of greater than 50 degrees F) were reported, and no changes have been made to the Babcock and Wilcox ECCS evaluation model.

ANO-2

No significant changes or errors have been identified for the ABB-CE evaluation model used for ANO-2. One error in the COMPERC-II refill/reflood code for large break loss of coolant accident (LOCA) analysis was found and corrected. Correction of the error in COMPERC-II had no effect on the peak cladding temperature for large break LOCA. No models or methods were changed for the large break, small break, or post-LOCA long term cooling calculations. The attached report (CENPD-279 Supplement 5 dated February 1994) is the annual report on the ABB Combustion Engineering ECCS codes and methods for 1993. In February 1994, the CENPD-132 Supplement 3-P-A evaluation

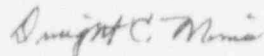
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model was approved for use for ANO-2 large break LOCA analyses by the Staff. This analysis has incorporated all the errors and changes that have been identified in prior years pertaining to the large break LOCA analysis, except those identified in Supplement 5 of CENPD-279.

Should you have any questions, please contact me.

Very truly yours,



Dwight C. Mims
Director, Licensing

DCM/nbm
Attachment

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