



Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Technology Division

Box 355
Pittsburgh Pennsylvania 15230

April 28, 1983

Dr. Cecil O. Thomas, Chief
Standardization & Special Projects Branch
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Thomas:

Subject: Topical Report WCAP-10241, "Westinghouse
BWR ECCS Evaluation Model"

Please find enclosed:

Twenty-five (25) copies of Topical Report "Westinghouse BWR ECCS Evaluation Model", April 28, 1983 (Proprietary).

Also enclosed is:

One (1) original Application for Withholding AW-83-31 (Non-Proprietary).

This report contains a technical description and a summary of verification of the Westinghouse (W) Emergency Core Cooling Systems (ECCS) Evaluation Model for W fuel reloads of General Electric (GE) Boiling Water Reactor (BWR) Nuclear Steam Supply System (NSSS) designs. The names of the major system of computer models for this application are GOBLIN, DRAGON and CHACHA.

Westinghouse intends to utilize these computer codes to perform large and small break loss-of-coolant-accident analysis in support of W reload fuel licensing for GE BWRs. These codes are applicable for all current GE BWR NSSS designs.

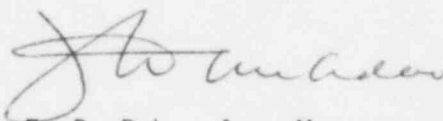
It is the opinion of Westinghouse that the codes as described in this report and their application to GE BWRs comply with all requirements of Appendix K of 10CFR50.46. Questions regarding the Evaluation Model presented in the enclosed topical report should be addressed to Ray Skwarek, Manager, Reload Fuel & Forces Analysis, (412) 374-4637.

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The subject material is submitted for review towards potential application on docket and is to be treated as proprietary information of Westinghouse Electric Corporation. The information will be separately resubmitted in whole in conformance with the requirements of 10CFR2.790 when specific licensing application to docket is intended.

Correspondence with respect to proprietary aspects of this submittal should reference AW-83-31 and should be addressed to R. A. Wiesemann, Manager, Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania 15230.

Very truly yours,


for E. P. Rahe, Jr., Manager
Nuclear Safety Department

Enclosures

RJS/1s

cc: Dr. B. Sheron (NRC)