Westinghouse Electric Corporation Energy Systems

Nuclear and Advanced Technology Division

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ET-NRC-91-3607
ET-NSA-THA-91-140
August 5, 1991

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Lynne Sapp, Planning, Program, and Management Support Branch

Subject: Submittal of WCAP-12945-P, Volume 1, "Westinghouse Code Qualification Document for Best Estimate Loss of Coolant Accident Analysis"

Dear Ms. Sapp:

Enclosed are five (5) copies of WCAP-12945-P, Volume 1,"Westinghouse Code Qualification Document for Best Estimate Loss of Coolant Accident Analysis."

WCAP-12945-P, Volume 1, describes the models and correlations employed in WCOBRA/TRAC, the Westinghouse thermal-hydraulics computer code that will be used in best estimate loss of coolant accident (LOCA) analyses. The report is submitted for NRC review and approval. Timely review of this report is requested to support several best estimate LOCA analyses currently in progress. Please forward this report to Mr. Robert Jones, Chief, Reactor Systems Branch.

Westinghouse plans to submit a second volume of WCAP-12945-P later this year. Volume 2 will provide assessments of WCOBRA/TRAC's models and correlations relative to test data.

WCAP-12945-P is a proprietary document providing Westinghouse proprietary information of trade secrets which we consider privileged or confidential pursuant to 10CFR9.5 (4). It contains information which reveals distinguishing aspects of the Westinghouse Best Estimate LOCA Evaluation Model. Its disclosure to a competitor could improve his competitive position in the development or licensing of a similar product. Therefore, we request that the Westinghouse proprietary information attached hereto be handled on a confidential basis and be withheld from public disclosure.

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The proprietary sections of the report are identified in the Table of Contents. These sections provide detailed information on the models and correlations in WCOBRA/TRAC, including their bases, their implementation, their scaling considerations, and their applicability for best estimate LOCA calculations. We consider these sections proprietary since they specifically delineate the models and correlations selected for the Westinghouse Best Estimate Evaluation Model and since they impart considerable knowledge of these models and correlations, their bases and implementation, which Westinghouse has gained through significant effort. Westinghouse will submit a corresponding non-proprietary version of the technical report upon receipt of an NRC acceptance letter and SER.

In conformance with the requirement of 10CFR Section 2.790, as amended, of the Commission's regulations, we are enclosing with this submittal an Application for Withholding Proprietary Information from public disclosure and an Affidavit. The Affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission.

Correspondence with respect to the Affidavit or Application for Withholding should reference AW-91-196 and should be addressed to R. P. DiPiazza, Operating Plant Licensing Support, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

This material is for your internal use only and may be used only for the purpose for which it is submitted. It should not be otherwise used, disclosed, duplicated, or disseminated, in whole or in part, to any other person or organization outside of the Office of Nuclear Reactor Regulation without the express written approval of Westinghouse.

If you have any questions, please contact either Mr. R. D. Ankney at (412) 374-4181, Dr. L. E. Hochreiter at (412) 374-5158, or Dr. S. M. Bajorek at (412) 374-4875.

Very truly yours,

S. R. Tritch, Manager
Engineering Technology Department

RDA:sm

Enclosure(s)

cc: R. Jones, RSB
F. Orr, RSB