



Westinghouse
Electric Corporation

Energy Systems

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NSD-NRC-96-4920
DCP/NRC0690
Docket No.: STN-52-003

December 18, 1996

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

ATTENTION: T. R. QUAY

SUBJECT: NOTRUMP FINAL VALIDATION REPORT FOR AP600 - WCAP-14807

Dear Mr. Quay:

Enclosed is Westinghouse Topical Report WCAP-14807, "NOTRUMP Final Validation Report for AP600." This report evaluates the performance of the NOTRUMP computer code in predicting small break Loss of Coolant Accident (LOCA) thermal-hydraulic effects for the AP600 plant design. The Westinghouse NOTRUMP code has been compared to a series of separate effects and integral systems effects tests which capture the thermal-hydraulic phenomena of interest of the AP600 small break LOCA transient.

This report is provided to assist the ongoing staff review of the NOTRUMP computer code application for AP600. Chapter 8, covering validation of the NOTRUMP code against tests performed at the test facility at Oregon State University, has not been included in the enclosed report. As with discussed with the staff submittal of eight chapters of the report at this time will allow the NRC staff to begin their review. Chapter 8 will be submitted in Review 2 of the report along with any changes necessitated by the final review.

The Westinghouse Electric Corporation copyright notice, proprietary information notice, application for withholding and affidavit are attached.

This submittal contains Westinghouse proprietary information consisting of trade secrets, commercial information or financial information which we consider privileged or confidential pursuant to 10CFR2.790. Therefore, it is requested that the Westinghouse proprietary information attached hereto be handled on a confidential basis and be withheld from public disclosures. A non-proprietary copy of the enclosed report will be provided within 60 days of this letter.

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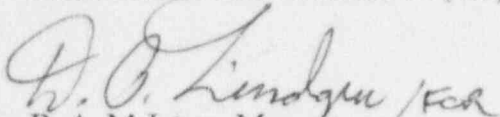
Correspondence with respect to the application for withholding should reference AW-96-1052, and should be addressed to B. A. McIntyre, Manager of Advanced Plant Safety And Licensing.

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December 18, 1996

Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania, 15230-0355.

Please contact John C. Butler on (412) 374-5268 if you have any questions concerning this transmittal.

A handwritten signature in cursive script, appearing to read "B. A. McIntyre / For".

B. A. McIntyre, Manager
Advanced Plant Safety and Licensing

/jml

Enclosure, Attachment

cc: T. Kenyon, NRC (w/o Enclosures/Attachments)
B. Huffman, NRC (5E)
R. Landry, NRC (1E)
P. Boehnert, ACRS (5E)
N. J. Liparulo, Westinghouse (w/o Enclosures/Attachments)

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