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Energy Systems

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NSD-NRC-97-4960
DCP/NRC0717
Docket No.: STN-52-003

January 31, 1997

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

ATTENTION: T. R. QUAY

SUBJECT: NOTRUMP FINAL VALIDATION REPORT FOR AP600 - WCAP-14807,
REVISION 1

REFERENCE: Westinghouse Letter NSD-NRC-96-4920, "NOTRUMP Final Validation Report
For AP600 - WCAP-14807", dated December 18, 1996.

Dear Mr. Quay:

Enclosed is Revision 1 to Westinghouse Topical Report WCAP-14807, "NOTRUMP Final Validation Report for AP600." This revision to the report provided via the reference transmittal contains Chapter 8, covering validation of the NOTRUMP computer code against tests performed at the test facility at Oregon State University. The revision also includes additions to Chapter 9 covering conclusions based upon the completion of the NOTRUMP comparisons to the Oregon State University tests. Pending feedback from the ongoing NRC review and detailed checking of support calculations, no future revisions are planned.

Attachment 1 provides page change instructions for incorporation of the revision into the appropriate binders.

As discussed at our September 26, 1996 meeting, the NOTRUMP evaluation model no longer includes or credits "birthing logic" and "horizontally stratified flow link" coding discussed in the responses to RAIs 440.470 and 440.478. The EPRI/flooding drift flux model and "Revised Unchoking Model" replace these models and are discussed in Section 2.5 and 2.13 of the NOTRUMP Final V&V Report.

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 30 days of this letter.

This material is for your internal use only and may be used for the purpose for which it is submitted.

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It should not be otherwise used, disclosed, duplicated, or disseminated, in whole or in part, to any other person or organization outside the Commission, the Office of Nuclear Reactor Regulation, the Office of Nuclear Regulatory Research and the necessary subcontractors that have signed a proprietary non-disclosure agreement with Westinghouse without the express written approval of Westinghouse.

Correspondence with respect to the application for withholding should reference AW-97-1075, and should be addressed to N. J. Liparulo, Manager of Equipment Design and Regulatory Engineering, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania, 15230-0355.

Please contact Bruce Rarig on (412) 374-4358 if you have any questions concerning this transmittal.

C. L. Hagg for SAM

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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