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November 18, 1999  
NSBU-NRC-99-5956

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

Attention: J. S. Wermiel, Chief  
Reactor Systems Branch  
Division of Systems Safety and Analysis

Subject: Westinghouse Improved Performance Analysis and Design Model (PAD 4.0), WCAP-15063-P,  
Revision 1 (Proprietary)

Dear Mr. Wermiel:

Enclosed are copies of the Proprietary and Non-Proprietary versions of the following documents. These documents comprise the final submittal package for the "Westinghouse Improved Performance Analysis and Design Model (PAD 4.0)".

- Attachment 1. Re-write of WCAP-15063-P, as requested by Mr. R. Caruso of the NRC during the June 23, 1999 meeting. The re-write comprises the original topical report submittal as Section 1, "Westinghouse In-Reactor Creep Model" and the "Other PAD Model Changes", that were presented to the NRC during the September 15, 1998 meeting, as Section 2. The "Other PAD Model Changes" were documented in NSD-NRC-98-5810, November 13, 1998. As directed by Mr. R. Caruso, the topical report number remains the same (e.g., WCAP-15063-P); however, the title has been revised to more accurately account for all changes.
- Attachment 2. WCAP-15063-P Errata for Section 1 of the re-write topical report. These corrections have been noted to the NRC in response to other RAIs. The corrections to pages are specifically identified and will be incorporated in the base document when the approved version of the WCAP is prepared.
- Attachment 3. Response to Question #9 of the NRC's Request for Additional Information on PAD Model Revisions based on the NRC/Westinghouse meeting held on September 15, 1998. This response to RAI #9 is the last outstanding RAI on the PAD topical report submittal.
- Attachment 4. Final PAD 4.0 Calibration and V&V Data Package. This calibration and V&V package supersedes the Calibration and V&V Data Package supplied in NSD-NRC-98-5787, September 11, 1998.
- Attachment 5. Discussion of PAD 4.0 implementation and requested SER language regarding "Legacy Fuel" and PAD 4.0 implementation.

*TOO? Change 1/5 PAR 1 Encl w/out ref*

Also enclosed are:

1. One (1) copy of the Application for Withholding, AW-1371 with Proprietary Information Notice and Copyright Notice.
2. One (1) copy of Affidavit, AW-1371.

It is also requested that a follow-up meeting be held between the NRC and Westinghouse regarding this final submittal package to address any minor questions that may exist, to summarize each of the attachments provided in this submittal, and to discuss schedules. It is planned that this meeting will be held during the week of December 6<sup>th</sup>, 1999.

This submittal contains Westinghouse proprietary information of trade secrets, commercial or financial information which we consider privileged or confidential pursuant to 10 CFR 9.17(a)(4). Therefore, it is requested that the Westinghouse proprietary information attached hereto be handled on a confidential basis and be withheld from public disclosure.

This material is for your internal use only and may be used solely 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 the Office of Nuclear Reactor Regulation without the expressed prior written approval of Westinghouse.

Correspondence with respect to any Application for Withholding should reference AW-1371 and should be addressed to H. A. Sepp, Manager of Regulatory and Licensing Engineering, Westinghouse Electric Company, P. O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

Very truly yours,



Henry A. Sepp, Manager  
Regulatory and Licensing Engineering

Copy to:  
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