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Your ref: Docket No. 52-006
Our ref: DCP/NRC1526

October 4, 2002

SUBJECT: Transmittal of Westinghouse Responses to US NRC Requests for Additional Information on the AP1000 Related to Seismic Analysis and Structural Design

This letter transmits the Westinghouse responses to NRC Requests for Additional Information (RAI) regarding our application for Design Certification of the AP1000 standard plant. The list of RAI responses that are transmitted with this letter is provided in Attachment 1. Attachment 2 provides the RAI responses transmitted with this letter.

As a conclusion of the AP1000 pre-certification review as documented in SECY-02-0059, Westinghouse agreed to complete the structural design of the Nuclear Island critical sections that were identified in the AP600 review. As part of the design effort to analyze the critical sections, finite element models were prepared for the containment internal structures and for the auxiliary building and shield building. Analysis of these finite element models resulted in a revision to section 3.7 of the AP1000 DCD. Attachment 3 provides a Draft Revision 3 of DCD section 3.7 that also includes changes resulting from our RAI responses.

The RAI responses included in this letter are those responses that we have completed from the series 220, 230, 240 and 241 RAI. We plan to provide you with answers to the remaining questions in these series prior to a meeting in our offices in November to review the AP1000 seismic analysis results.

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Please contact me at 412-374-5355 if you have any questions concerning this submittal.

Very truly yours,



M. M. Corletti
Passive Plant Projects & Development
AP600 & AP1000 Projects

cc: Dr. Carl Costantino - Spring Valley, N.Y.
Mr. Richard Morante - Brookhaven National Laboratory, Upton, N.Y.

/Attachments

1. Table 1, "List of Westinghouse's Responses to RAIs Transmitted in DCP/NRC1526"
2. Westinghouse Non-Proprietary Response to US Nuclear Regulatory Commission Requests for Additional Information for series 220, 230, 240 and 241 dated October 2002
3. APP-GW-GL-700, Draft Revision 3, "AP1000 Design Certification Document," Section 3.7