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October 27, 2010

Mr. Robert Sisk, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

SUBJECT: ADVANCED FINAL SAFETY EVALUATION FOR CHAPTER 3, TITLED "DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT, AND SYSTEMS," OF NUREG-1793, SUPPLEMENT 2—AP1000 DESIGN CERTIFICATION AMENDMENT (PARTIAL)

Dear Mr. Sisk:

This letter transmits the Advanced Final Safety Evaluation for Chapter 3, titled "Design of Structures, Components, Equipment, and Systems," of the United States Nuclear Regulatory Commission's (NRC) NUREG-1793, "Final Safety Evaluation Related to Certification of the AP1000 Standard Design," Supplement 2.

By letter dated September 16, 2009, the NRC transmitted to Westinghouse the Safety Evaluation with Open Items (SE/OIs) for Chapter 3, not including Sections 3.7 and 3.8, which reflected the proposed changes in the AP1000 Design Control Document (DCD) through Revision 17. The enclosed document is the AFSE for Chapter 3, not including Sections 3.7 and 3.8.

Since the time of the transmittal of the previously mentioned Chapter 3 SE/OIs, updated information from Westinghouse and the subsequent NRC staff evaluations thereof have resulted in the resolution of the OIs. As previously stated, this chapter contains confirmatory items and will be supplemented prior to finalization to document the resolution of those items.

The partial chapter is being issued in parallel with transmittal to ACRS to maximize its preparation time, while awaiting staff completion of the AFSE for Sections 3.7 and 3.8.

These portions of the enclosed SE with OIs are being provided only to Westinghouse Electric Company for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public Inspections, Exemptions, Requests for Withholding." The staff concludes that the enclosed SE does not contain any information for which exemption from public disclosure has been sought or approved or any factual errors. However, the NRC will

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withhold the enclosed SE from public disclosure for 10 working days from the date of this letter to allow you the opportunity to verify the staff's conclusion that the SE contains no such exempt information or any factual errors. If within that 10 day period, you do not request that all or portions of the SE be withheld from public disclosure, the enclosure will be made available for public inspection through the NRC Public Document Room and the Publicly Available Records component of NRC's Agencywide Documents Access and Management System and placed on the NRC's public web page for this application.

Please feel free to contact Phyllis Clark, the Project Manager for Chapter 3, at (301) 415-6447 or Phyllis.Clark@nrc.gov, with any comments, concerns or questions.

Sincerely,

/RA/

Eileen M. McKenna, Chief
AP1000 Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-006

Enclosure:
Safety Evaluation, Chapter 3, NUREG-1793, Supplement 2

cc: See next page (w/o enclosure)

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Eileen M. McKenna, Chief
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(Revised 06/29/2010)

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