

May 20, 2010

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

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS FOR CHAPTER 22,  
"REGULATORY TREATMENT OF NON-SAFETY SYSTEMS," OF NUREG-  
1793, SUPPLEMENT 2 – AP1000 DESIGN CERTIFICATION  
AMENDMENT

Dear Mr. Sisk:

This letter transmits the Safety Evaluation Report with Open Items (SER/OIs) for Chapter 22, "Regulatory Treatment of Non-Safety Systems" of the U.S. Nuclear Regulatory Commission (NRC) staff's NUREG-1793, Supplement 2.

By letter dated May 26, 2007, as supplemented by letters dated October 26, November 2 and December 12, 2007, January 11 and January 14, 2008, the Westinghouse Electric Company (Westinghouse), submitted an amendment request to the NRC to revise the AP1000 Design Certification (DC) rule per Title 10 of the *Code of Federal Regulations*, Part 52, Section 52.63, "Finality of Standard Design Certifications." This DC amendment request supports changes to the current AP1000 DC, which is based upon Revision 15 to the AP1000 Design Control Document (DCD). The application was supported by Revision 16 to the AP1000 DCD. By letter dated January 18, 2008, the NRC notified Westinghouse that Westinghouse's DC Amendment request had been docketed. By letter dated September 22, 2008, Westinghouse submitted Revision 17 to the AP1000 DCD, which contains the changes to the DCD proposed in Revision 16, subsequent changes discussed with the NRC staff, and additional changes not previously discussed with the NRC staff referred herein as "new Revision 17 changes." The enclosed Chapter 22 SER/OIs addresses the new Revision 17 changes.

R. Sisk

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Please feel free to contact David Jaffe, the Project Manager for Chapter 22, at (301) 415-2956 or David.Jaffe@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 Report with Open Items,  
Chapter 22, NUREG-1793, Supplement 2

cc: See next page

R. Sisk

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Docket No. 52-006

Enclosure:  
Safety Evaluation Report with Open Items,

cc: See next page

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(Revised 11/12/2008)

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