August 31, 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: PROPRIETARY INFORMATION REVIEW - ADVANCED FINAL SAFETY EVALUATION FOR CHAPTER 18 TITLED "HUMAN FACTORS ENGINEERING," OF NUREG-1793, SUPPLEMENT 2 – AP1000 DESIGN CERTIFICATION AMENDMENT

Dear Mr. Sisk:

This letter transmits the Advanced Final Safety Evaluation (AFSE) for Chapter 18 titled, "Human Factors Engineering," of the U.S. Nuclear Regulatory Commission (NRC) staff's NUREG-1793, "Final Safety Evaluation Related to Certification of the AP1000 Standard Design," Supplement 2.

By letter dated September 8, 2009 the NRC transmitted to Westinghouse the Safety Evaluation with Open Items (SE/OIs) for Chapter 18, which reflected the proposed changes in the AP1000 Design Control Document (DCD) through Revision 17. Since the September 8, 2009 transmittal of Chapter 18, communications with Westinghouse and subsequent NRC staff evaluation have resulted in the resolution of the OIs. This chapter will be supplemented prior to finalization due to the need to resolve confirmatory items and to address any additional proposed changes to the DCD.

Pursuant to 10 CFR 2.390, the NRC staff determined that the enclosed safety evaluation (SE) may contain proprietary information or other categories of information that should be withheld from public disclosure. We will delay placing this document in the public document room for a period of 30 days from the date of this letter to provide you with the opportunity to comment on information in the enclosed SE that should be withheld from public disclosure. If you believe that any information in the enclosure should be withheld from public disclosure, please identify such information line by line and define the basis pursuant to the criteria of 10 CFR 2.390. Based on your response, both a publicly available, non-sensitive and a non-publicly available, sensitive versions will be created.

NOTICE: Document transmitted herewith contains sensitive unclassified information. When separated from the enclosure this cover letter is "DECONTROLLED."

Please feel free to contact Patrick Donnelly, the Project Manager for Chapter 18, at (301) 415-8584 or patrick.donnelly@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

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Docket No. 52-006

Enclosure:
Safety Evaluation, Chapter 18, NUREG-1793, Supplement 2

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Sincerely,

/RA/

Eileen M. McKenna, Chief
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Enclosure:
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