

September 21, 2009

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards
and Advisory Committee on Nuclear Waste

FROM: David B. Matthews, Director
Division of New Reactor Licensing /RA/
Office of New Reactors

SUBJECT: ADVISORY COMMITTEE ON REACTOR SAFEGUARDS AP1000
SUBCOMMITTEE REVIEW OF SELECTED CHAPTERS OF THE
SAFETY EVALUATION REPORT WITH OPEN ITEMS – AP1000
DESIGN CERTIFICATION AMENDMENT

The U. S. Nuclear Regulatory Commission (NRC) staff has prepared the following selected Chapters of the Safety Evaluation Report with Open Items (SER/OIs) for changes to the Westinghouse Electric Company (Westinghouse) AP1000 Design Control Document, associated with the Application for Design Certification Amendment (DCA) dated May 26, 2007:

- Chapter 2, "Site Characteristics"
- Chapter 3¹, "Design of Structures, Components, Equipment, and Systems"
- Chapter 8, "Electric Power Systems"
- Chapter 13, "Conduct of Operations"
- Chapter 18, "Human Factors Engineering"

The above Chapters of the SER support the upcoming meeting of the AP1000 Subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) scheduled to be held on October 6-7, 2009. Issuance of the SER is an important milestone in the staff's review to determine whether Westinghouse's application meets the Commission's regulations.

The staff concludes that the above Chapters of the SER do not contain any information for which exemption from public disclosure has been sought or approved. However, the NRC will withhold the above Chapters of the SER from public disclosure for ten calendar days to allow Westinghouse the opportunity to verify the staff's conclusion that the SER Chapters contain no such exempt information. Therefore, the staff requests that the ACRS likewise withhold the SER Chapters from public disclosure until it has been released publicly in the Agencywide Documents Access and Management System (ADAMS).

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415-1439

¹ Section 3.7, "Seismic Design" and 3.8, "Design of Category 1 Structures" will be presented at a later date.

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The accession numbers for the Chapters of the SER, available at this time, are: Chapter 2 (ML091280323), Chapter 3 (ML092260430), Chapter 8 (ML092360735), Chapter 13 (ML092540115) and Chapter 18 (ML092460405).

The staff will inform the ACRS immediately if Westinghouse requests that any of the information in the SER Chapters be withheld from public disclosure.

Docket No. 52-006

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Docket No. 52-006

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