October 28, 2010

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

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

SUBJECT: AP1000 DESIGN CERTIFICATION AMENDMENT – ADVANCED SAFETY EVALUATION, CHAPTER 3, "DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT, AND SYSTEMS" (PARTIAL)

The U.S. Nuclear Regulatory Commission (NRC) staff has prepared the Advanced Final Safety Evaluation (SE) Chapter 3 to address changes to the Westinghouse Electric Company (Westinghouse) AP1000 Design Control Document, proposed in the Application for Design Certification Amendment dated May 26, 2007.

The staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its SE with no open items (OIs) for a portion of Chapter 3, specifically Sections 3.1 through 3.6 and 3.9 through 3.12. The SE with OIs for Sections 3.1 through 3.6 and 3.9 through 3.12 were previously seen by the Subcommittee. The remaining parts of Chapter 3 (Section 3.7 and 3.8 including the shield building) are being finalized and will be sent as soon as possible.

The staff has reviewed the memorandum to the Executive Director for Operations dated February 17, 2010, and reviewed our submitted information against the categories that the ACRS requested be used to highlight information for review by the Committee. Our assessment is that the following issue would be of particular interest to the Subcommittee:

- Reduction in shield building height (wind and tornado, Sections 3.3.2 and 3.5.1.4).

The Chapter 3 SE may contain proprietary information or other categories of information addressed in 10 CFR 2.390. The NRC will withhold the referenced SE from disclosure for 10 business days to allow Westinghouse the opportunity to identify exempt information. Therefore, the staff requests that the ACRS withhold the referenced SE from public disclosure until the information has been released publicly in the Agencywide Documents Access and Management System (ADAMS). The staff will inform the ACRS immediately if Westinghouse requests that any of the information in the referenced document be withheld from public disclosure. The SE is currently non-public and is available in ADAMS at ML101241063.

Docket No.: 52-006

CONTACT: Phyllis Clark, NRO/DNRL
(301) 415-6447

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