

May 25, 2010

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

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 Advanced Safety Evaluation Report (SER) Chapters (Open Items (OIs) have been resolved) for changes to the Westinghouse Electric Company (Westinghouse) AP1000 Design Control Document, associated with the Application for Design Certification Amendment dated May 26, 2007:

- Chapter 4, "Reactor," ML100640742
- Chapter 10, "Steam and Power Conversion System," ML100910522
- Chapter 12, "Radiation Protection," ML101300701
- Chapter 14, "Verification Programs," ML100970293
- Chapter 22, "Regulatory Treatment of Non-Safety Systems," ML100120839

We hope to issue Chapter 11, "Radioactive Waste Management" within a few days. The above SER Chapters (except Chapter 22) were previously presented to the Subcommittee with OIs such that the Staff would only address the closure of these OIs as they appear in the Advanced SER Chapters, during the June 24, 2010 Subcommittee meeting. The Staff has reviewed the memorandum to the Executive Director for Operations dated February 17, 2010, and reviewed our submitted information against the categories which the Advisory Committee on Reactor Safeguards requested be used to highlight information for review by the Committee. Our assessment is that the resolution of items associated with turbine overspeed protection in Chapter 10 may be of particular interest

Docket No. 52-006

CONTACT: David H. Jaffe, NRO/DNRL
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