

February 15, 2011

Dr. Said Abdel-Khalik, Chairman
Advisory Committee on Reactor Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: REPORT ON THE SAFETY ASPECTS OF THE AIRCRAFT IMPACT
ASSESSMENT FOR THE WESTINGHOUSE AP1000 DESIGN CERTIFICATION
AMENDMENT APPLICATION

Dear Dr. Abdel-Khalik:

Thank you for your letter of January 19, 2011, in which the Advisory Committee on Reactor Safeguards (ACRS or the Committee) reported on its review of the Westinghouse Electric Company's AP1000 design certification amendment concerning the safety aspects of aircraft impact, fulfilling the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) 52.53, "Referral to the Advisory Committee on Reactor Safeguards (ACRS)."

In its letter, ACRS concluded that the Westinghouse Electric Company aircraft impact assessment (AIA) described in the AP1000 design certification application, as modified to resolve U.S. Nuclear Regulatory Commission inspection findings, complies with the requirements of 10 CFR 50.150, "Aircraft Impact Assessment." The letter further stated that the staff should evaluate information and analyses presented to ACRS, but not subjected to agency review or inspection, to determine if there is a need for further revision of the design control document (DCD) or for further inspections.

The staff based its safety evaluation review on the information presented in the DCD and supplemented its review with an inspection of the supporting AIA. Based upon this safety review and inspection, the staff concluded that the DCD complied with the requirements of the AIA rule. These staff actions are consistent with the requirements of the AIA rule, as well as the Commission's explanation (in the Statement of Considerations for the final AIA rule) regarding the NRC's regulatory implementation of the AIA rule. Thus, while the staff has considered the additional information and analyses presented by the applicant during the ACRS meetings, and agrees with the Committee that these analyses remain consistent with the conclusion that the requirements of 10 CFR 50.150 have been met, the staff does not believe that any further revision of the DCD is necessary. The staff will consider the need for any further inspections, as previously noted in our letter dated November 23, 2010, and will inform the Committee of any significant results of such additional inspection.

S. Abdel-Khalik

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The staff appreciates the Committee's efforts and suggestions. We thank the ACRS for its time and its valuable input and we look forward to working with the Committee in the future.

Sincerely,

/RA Michael F. Weber for/

R. W. Borchardt
Executive Director
for Operations

cc: Chairman Jaczko
Commissioner Svinicki
Commissioner Apostolakis
Commissioner Magwood
Commissioner Ostendorff
SECY

S. Abdel-Khalik

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