

February 19, 2015

Mr. Keith J. Drudy, Manager  
PWR Core Methods  
Westinghouse Electric Company  
1000 Westinghouse Dr. Suite 429  
Cranberry Township, PA 16066

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY'S FINAL TOPICAL REPORT SAFETY EVALUATION FOR WCAP-17524, REVISION 1, "AP1000 CORE REFERENCE REPORT"

Dear Mr. Drudy:

The U.S. Nuclear Regulatory Commission staff prepared a final Topical Report Safety Evaluation (TRSE) for WCAP-17524, Revision 1, "AP1000 Core Reference Report," in support of the AP1000 post – licensing activities submitted by Westinghouse Electric Company (WEC).

The staff requests that WEC publish the applicable version(s) of the TRSE listed above within one month of receipt of this letter. The accepted version of the topical report shall incorporate this letter and the enclosed TRSE and add an "-A" (designated accepted) following the report identification number.

The staff has found that WCAP-17524, Revision 1, is acceptable for referencing in licensing applications for AP1000 designed pressurized water reactors to the extent specified and under the limitations delineated in the topical report and in the enclosed final TRSE. The final TRSE defines the basis for our acceptance of the topical report.

If the U.S. Nuclear Regulatory Commission's (NRC) criteria or regulations change, such that the acceptability of the TRSE conclusion is invalidated, WEC and/or the applicant referencing the TRSE will be expected to revise and resubmit its respective documentation, or submit justification for continued applicability of the TRSE without revision of the respective documentation.

Prior to placing the public version of this document in the public document room the staff requests that WEC perform a final review of the TRSE for proprietary or security-related information not previously identified. If you believe that any additional information meets the criteria, please identify such information line by line and define the basis pursuant to the criteria established in Title 10 of the *Code of Federal Regulations* Part 2, Section 390.

Document transmitted herewith contains sensitive unclassified information. When separated from the enclosure, this document is "DECONTROLLED."

K. Drudy

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If after a 10-day period, you do not request that all or portions of the TRSE be withheld from public disclosure, the TRSE will be made available for public inspection through the NRC Public Document Room and the Publicly Available Records component of NRC's Agencywide Documents Access and Management System and placed on the NRC's public web page for this application.

If you have any questions or comments concerning this matter, please contact me at 301-415-6715 or via e-mail address at [Bruce.Bavol@nrc.gov](mailto:Bruce.Bavol@nrc.gov).

Sincerely,

*/RA/*

Bruce M. Bavol, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Project No. 0793

Enclosures:

1. Safety Evaluation Report – (Non-Proprietary)
2. Safety Evaluation Report – (Proprietary)

cc: See next page (w/o Enclosure 2)

K. Drudy

- 2 -

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Bruce M. Bavol, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
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**ADAMS ACCESSION NUMBERS:**

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LETTER: ML15015A573

SER: ML15015A578 (Non-Proprietary)

SER: ML15015A582 (Proprietary)

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(Revised 10/02/2014)

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