

February 27, 2015

Mr. James A. Gresham, Manager
Regulatory Compliance
Westinghouse Electric Company, LLC
Suite 428, 1000 Westinghouse Drive
Cranberry Township, PA 16066

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY'S FINAL TOPICAL REPORT SAFETY EVALUATION FOR WCAP-17573, REVISION 1, "WESTINGHOUSE SMALL MODULAR REACTOR SMALL BREAK LOSS OF COOLANT ACCIDENT PHENOMENA IDENTIFICATION AND RANKING TABLE"

Dear Mr. Gresham:

The U.S. Nuclear Regulatory Commission (NRC) staff prepared a final Topical Report Safety Evaluation (TRSE) for WCAP-17573, Revision 1, "Westinghouse Small Modular Reactor Small Break Loss of Coolant Accident Phenomena Identification and Ranking Table," in support of the Westinghouse Small Modular Reactor (W-SMR) design pre-licensing activities submitted by Westinghouse Electric Company (WEC).

The staff found that the Licensing Topical Report (LTR) WCAP-17573, Revision 1, is acceptable for referencing in licensing applications for the W-SMR to the extent specified and under the limitations delineated in the LTR and in the enclosed final TRSE. This final TRSE defines the basis for NRC's acceptance of the LTR.

If 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.

The staff requests that WEC publishes the accepted version of WCAP-17573, Revision 1 within one to three months of receipt of this letter. The accepted proprietary and non-proprietary versions of the LTR shall incorporate this letter and the enclosed TRSE, and by adding an "-A" (designated accepted) following the LTR identification number. Also, the accepted versions must contain historical review information, including all NRC requests for additional information (RAIs) and WEC's responses to these RAIs. This may be in the form of an appendix or a summary change table referencing the RAIs and responses.

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

J. Gresham

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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 WEC believes 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.

If after a 10-day period, WEC does 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.

Should you have any questions or comments concerning this matter, please contact Arlon Costa at 301-415-6402 or via e-mail address at Arlon.Costa@nrc.gov.

Sincerely,

/RA/

Anna H. Bradford, Chief
Advanced Reactors and Policy Branch
Division of Advanced Reactors and Rulemaking
Office of New Reactors

Project No. 0797

Enclosures:

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

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Anna H. Bradford, Chief
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Letter to James A. Gresham from Anna H. Bradford dated February 27, 2015

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