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September 28, 2017

Mr. James A. Gresham, Manager Regulatory
Compliance and Plant Licensing
Westinghouse Electric Company
1000 Westinghouse Drive Cranberry
Township, PA 16066

SUBJECT: FINAL SAFETY EVALUATION FOR WESTINGHOUSE ELECTRIC
COMPANY (WESTINGHOUSE) TOPICAL REPORT WCAP-17642-P/NP,
REVISION 1, "WESTINGHOUSE PERFORMANCE ANALYSIS AND DESIGN
MODEL (PAD5)" (TAC NO. MF3096)

Dear Mr. Gresham:

By letter dated October 29, 2013 (Agencywide Documents Access and Management System Accession No. ML13308A425), Westinghouse Electric Company (Westinghouse) submitted for U. S. Nuclear Regulatory Commission (NRC) staff review Topical Report (TR) WCAP-17642-P/NP, Revision 0, "Westinghouse Performance Analysis and Design Model (PAD5)." As a result of the NRC staff requests for additional information, Revision 1 of WCAP-17642-P/NP, Revision 0, "Westinghouse Performance Analysis and Design Model (PAD5)," was submitted by Westinghouse letter dated May 31, 2016 (ADAMS No. ML16159A332),

The enclosed final SE addresses the applicability of the WCAP-17642-P/NP, Revision 1, "Westinghouse Performance Analysis and Design Model (PAD5)" TR.

The NRC staff has found that WCAP-17642-P/NP, Revision 1, "Westinghouse Performance Analysis and Design Model (PAD5)" is acceptable for referencing in licensing applications provided that the limitations and conditions stipulated in the Section 4.0 and applicability defined in Sections 1.0 and 5.0 of the enclosed NRC final SE are met along with the proper documentation.

**NOTICE: Enclosure 2 transmitted herewith contains proprietary information.
When separated from Enclosure 2, this document is decontrolled.**

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Our acceptance applies only to material provided in the subject TRs. In accordance with the guidance provided on the NRC website, we request that Westinghouse publish accepted proprietary and non-proprietary versions of these TRs within three months of receipt of this letter. The accepted versions shall incorporate this letter and the enclosed final SE after the title page. Also, they must contain historical review information, including NRC requests for additional information (RAIs) and your responses. The accepted versions shall include an "-A" (designating accepted) following the TRs identification symbol.

As an alternative to including the RAIs and RAI responses behind the title page, if changes to the TRs were provided to the NRC staff to support the resolution of RAI responses, and the NRC staff reviewed and approved those changes as described in the RAI responses, there are two ways that the accepted version can capture the RAIs:

1. The RAIs and RAI responses can be included as an Appendix to the accepted version.
2. The RAIs and RAI responses can be captured in the form of a table (inserted after the final SE) which summarizes the changes as shown in the approved version of the TRs. The table should reference the specific RAIs and RAI responses which resulted in any changes, as shown in the accepted version of the TRs.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, Westinghouse will be expected to revise the TR appropriately or justify its continued applicability for subsequent referencing. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

Sincerely,

/RA/

Dennis C. Morey, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 700

Enclosures:
As stated

SUBJECT: FINAL SAFETY EVALUATION FOR WESTINGHOUSE ELECTRIC COMPANY (WESTINGHOUSE) TOPICAL REPORT WCAP-17642-P/NP, REVISION 1, "WESTINGHOUSE PERFORMANCE ANALYSIS AND DESIGN MODEL (PAD5)" DATED: SEPTEMBER 28, 2017

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ADAMS Accession Nos.: Package: ML17090A443; Letter: ML17100A921; *via e-mail; Enclosure: ML17106A000; Attachment: ML17135A425 **NRR-106**

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