



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 9, 2018

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
TOPICAL REPORT WCAP-17203-P/WCAP-17203-NP, REVISION 0-2, "FAST
TRANSIENT AND ATWS METHODOLOGY" (CAC NO. MF5910)

Dear Mr. Gresham:

By letter dated June 30, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML101830262), Westinghouse Electric Company (Westinghouse) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report (TR) WCAP-17203-P/WCAP-17203-NP, "Fast Transient and ATWS Methodology." This TR provided a methodology for analyzing both limiting and non-limiting fast transients in initial and reload cores for currently operating boiling water reactors (BWRs) and advanced BWRs (ABWRs). The NRC staff requested responses to several requests for additional information (RAIs) as a result of the review of WCAP-17203-P, Revision 0, and the applicant incorporated issues resolved through the RAI process into a revised version of WCAP-17203-P/WCAP-17203-NP. The revised TR WCAP-17203-P/ WCAP-17203-NP, "Fast Transient and ATWS Methodology," was submitted by Nuclear Innovation North America, LLC to the NRC for the review and approval by letter dated October 20, 2014 (ADAMS Accession No. ML14301303). By letter dated May 6, 2015, the NRC staff issued a revised acceptance for review of WCAP-17203-P/WCAP-17203-NP, Revision 0-2 (ADAMS Accession No. ML15111A272) that captured Westinghouse's request for the review of this TR to be applicable to the operating boiling-water reactors.

The enclosed final SE addresses the applicability of the WCAP-17203-P/WCAP-17203-NP, Revision 0-2, "Fast Transient and ATWS Methodology," TR.

The NRC staff has found that WCAP-17203-P/WCAP-17203-NP, Revision 0-2, "Fast Transient and ATWS Methodology," is acceptable for referencing in licensing applications provided that the limitations and conditions stipulated in the Section 4.0 and applicability defined in the enclosed NRC final SE are met along with the proper documentation.

NOTICE: Enclosure transmitted herewith contains SUNSI. When separated from Enclosure, this transmittal 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 by Jason Drake for/

Dennis C. Morey, Chief
Licensing Processes Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation

Docket No. 99902038

Enclosures:
As stated

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TRANSIENT AND ATWS METHODOLOGY" (CAC NO. MF5910) DATED
AUGUST 9, 2018

DISTRIBUTION:

PUBLIC (Letter, Enclosure 1 and Attachment ONLY)

NON-PUBLIC (Enclosure 2)

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RidsResOd

ADAMS Accession Nos.:

PKG ML18204A018

LTR ML18204A031

Prop SE ML18204A033

Comment Resolution Table ML18204A197

Nonprop SE ML18207A882

***concurrence via e-mail**

NRR-106

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