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September 16, 2016

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-17202-P/WCAP-17202-NP, REVISION 0-1,
"SUPPLEMENT 4 TO BISON TOPICAL REPORT RPA 90-90-P-A"
(TAC NO. MF6059)

Dear Mr. Gresham:

By letter dated June 30, 2010 [Agencywide Documents Access and Management System (ADAMS) Accession No. ML101830265], South Texas Project Nuclear Operating Company submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report (TR) WCAP-17202-P/WCAP-17202-NP, Revision 0, "Supplement 4 to BISON Topical Report RPA 90-90-P-A." Subsequent to this initial request, a revised version of the TR was submitted that incorporated issues resolved via staff requests for additional information (RAIs). The current revision, Revision 0-1, was submitted for staff review and approval by letter dated September 30, 2014 (ADAMS Accession No. ML14276A445). WCAP-17202-P/WCAP-17202-NP, Revision 0-1, is the fourth supplement to the BISON TR RPA 90-90-P-A, and in its submittal, Westinghouse stated that the main purpose of WCAP-17202-P/WCAP-17202-NP, Revision 0-1, is to address restriction 2 of the RPA 90-90-P-A Safety Evaluation (SE). In addition to addressing this restriction, the WCAP-17202-P/WCAP-17202-NP, Revision 0-1, TR details new models and methods that have been incorporated into the BISON code in order to extend its capabilities and provide more robust analyses. Westinghouse Electric Company (Westinghouse) is seeking NRC approval of the WCAP-17202-P/WCAP-17202-NP, Revision 0-1, TR for boiling water reactor (BWR) product lines 2-6 (BWR/2-6) and advanced boiling water reactors (ABWR). As a result, some of the methods and models discussed in the submittal are only applicable to the ABWR while others have dual applicability. The enclosed final SE addresses the applicability of the WCAP-17202-P/WCAP-17202-NP, Revision 0-1, TR to BWRs/2-6 only. The Office of New Reactors is to address applicability of the TR to ABWRs in a separate SE.

The NRC staff has found that TR WCAP-17202-P/WCAP-17202-NP, Revision 0-1, is acceptable for referencing in licensing applications for the BWRs/2-6 only provided that the limitations and conditions stipulated in the Section 4.1 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 TR. In accordance with the guidance provided on the NRC website, we request that Westinghouse publish accepted proprietary and non-proprietary versions of this TR 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 TR identification symbol.

As an alternative to including the RAIs and RAI responses behind the title page, if changes to the TR 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 TR. The table should reference the specific RAIs and RAI responses which resulted in any changes, as shown in the accepted version of the TR.

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/

Kevin Hsueh, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 700

Enclosures:

1. Final SE (Non-Proprietary version)
2. Final SE (Proprietary version)

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***via e-mail**

NRR-106

OFFICE	NRR/DPR/PLPB	NRR/DPR/PLPB*	DSS/SNPB*	NRR/DPR/PLPB
NAME	ELenning	DHarrison	JDean	KHsueh
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