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MFN 12-117  
November 2, 2012

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Subject: Implementation of PRIME Models and Data in Downstream Methods,  
NEDO-33173, Supplement 4-A, Revision 1, November 2012

By Reference 1, the NRC issued the final Safety Evaluation for GE-Hitachi Nuclear Energy Americas LLC (GEH) Licensing Topical Report (LTR) NEDO-33173, Supplement 4, "Implementation of PRIME Models and Data in Downstream Methods." An accepted version of the LTR incorporating the Safety Evaluation was published in Reference 2.

As stated in Reference 1:

"At the conclusion of the code update and software testing process the NRC staff will audit the final documentation to ensure that the code updates were performed in accordance with the approved process described in Supplement 4."

The NRC conducted an audit of the PRIME implementation in downstream analysis codes on July 17-18, 2012. The NRC staff determined that the PRIME models had been correctly implemented. By Reference 3, the NRC issued a letter documenting the completion of the NRC staff's audit satisfying the condition stated above and in Reference 1. The NRC requested in Reference 3 that GEH publish a revision of NEDO-33173, Supplement 4-A, and include this letter with the NRC staff's final SE after the title page.

If you have any questions, please contact Edward Schrull at (910) 819-5744 or me.

Sincerely,

James F. Harrison  
Vice President, Fuel Licensing  
Regulatory Affairs  
GE-Hitachi Nuclear Energy Americas LLC

Project No. 710

References:

1. Letter, RA Nelson (NRC) to JG Head (GEH), Subject: Final Safety Evaluation for GE Hitachi Nuclear Energy Americas Topical Report NEDO-33173, Supplement 4, "Implementation of PRIME Models and Data in Downstream Methods" (TAC No. ME1704), MFN 11-218, September 9, 2011.
2. Letter, JF Harrison (GEH) to NRC Document Control Desk, Subject: Implementation of PRIME Models and Data in Downstream Methods, NEDO-33173, Supplement 4-A, September 2011, MFN 11-219, September 23, 2011.
3. Letter, S Bahadur (NRC) to JG Head (GEH), Subject: NRC Audit of GE-Hitachi Nuclear Energy Americas Topical Report NEDO-33173, Supplement 4-A, "Implementation of PRIME Models and Data in Downstream Methods" (TAC No. ME9033), MFN 12-123, October 22, 2012.

Enclosure

1. Implementation of PRIME Models and Data in Downstream Methods, NEDO-33173, Supplement 4-A, Revision 1, November 2012, Non-Proprietary Information - Class I (Public)

cc: SS Philpott, NRC  
AA Lingenfelter, GNF/Wilmington  
JG Head, GEH/Wilmington  
BR Moore, GEH/Wilmington  
PT Tran, GEH/Vallecitos  
eDRF Section 0000-0103-4574-R2

**Document Components:**

001 MFN 12-117 Cover Letter.pdf

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