



**HITACHI**

**GE Hitachi Nuclear Energy**

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MFN 16-028

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

Subject: Withdrawal of Supplement 1 to NEDC-33173P, Void Fraction Uncertainty Based on 10x10 Fuel Pressure Drop Data

In April 2010, GE Hitachi Nuclear Energy (GEH) submitted Supplement 1 to NEDC-33173P to the NRC for review and approval (Reference 1). By September 2010, the NRC accepted the Topical Report (TR) for review (Reference 2), estimating approximately 580 staff hours for the complete technical review. The schedule in the acceptance letter estimated the NRC staff would issue its request for additional information (RAI) by February 28, 2011 and issue the draft safety evaluation by August 29, 2011.

In July 2012, the NRC provided a draft RAI for proprietary review and, in August 2012, GEH provided comments and discussion to the NRC based on the draft RAI. The subject RAI was never formally issued. Through August 2012, GEH was invoiced and paid over \$180,000 in review fees for this TR, an amount effectively equal to the original NRC estimate for the complete review.

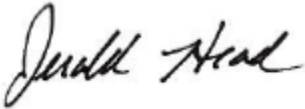
In July 2013, the NRC made three GEH TRs inactive, including the subject Supplement 1 to NEDC-33173P.

In late 2015, the NRC asked GEH to have a meeting so the NRC and GEH could discuss whether to restart the review or withdraw the request for the NRC to review Supplement 1 to NEDC-33173P. On March 15, 2016, GEH met with the NRC and made a presentation of the methodology and basis for Supplement 1 to NEDC-33173P. At that meeting, and contrary to the original acceptance review, the NRC staff expressed concerns regarding a successful review of the approach included in Supplement 1 to NEDC-33173P. At the end of that meeting, the NRC requested some time to caucus on the subject and a follow on call was scheduled for April 5, 2016. The comments made by the NRC during the April 5, 2016 call were essentially the same as those expressed at the March 15, 2016 meeting.

Based on the feedback from the current NRC staff, GEH is withdrawing the request that the NRC review Supplement 1 to NEDC-33173P.

If you have any questions, please contact me or Jim Harrison at 910-620-1826.

Sincerely,



Jerald G. Head  
Senior Vice President  
Regulatory Affairs  
GE Hitachi Nuclear Energy

Project No. 710

Commitments: No additional commitments are made in this letter.

References:

- 1 Letter from J.F. Harrison (GEH) to Document Control Desk (NRC), Subject: Supplement 1 to NEDC-33173P, Void Fraction Uncertainty Based on 10x10 Fuel Pressure Drop Data, MFN 10-119, April 5, 2010.
- 2 Letter from JR Jolicoeur, (NRC) to JG Head (GEH), Subject: Acceptance For Review of GE Hitachi Nuclear Energy Topical Report NEDC-33173P, Supplement 1, "Void Fraction Uncertainty Based On 10x10 Fuel Pressure Drop Data" (TAC NO. ME3980), September 2, 2010.

cc:

J Golla, US NRC  
BR Moore, GNF/Wilmington  
JF Harrison, GEH/Wilmington  
PL Campbell, GEH/ Washington  
PLM Specification NEDC-33173P\_SUPPL1 Revision 0.1