



**HITACHI**

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U.S. Nuclear Regulatory Commission  
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**Subject: Transmittal of GEH Licensing Topical Report NEDO-33373, "Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks," Revision 5, September 2010**

The purpose of this letter is to submit the GE Hitachi Nuclear Energy (GEH) Licensing Topical Report (LTR), NEDO-33373, "Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks," Revision 5, September 2010. Revision 4 of this LTR was previously submitted via Reference 1.

Revision 5 of LTR NEDO-33373 is provided in Enclosure 1. The purpose of this revision is to update the decay heat load utilized in the analyses.

If you have any questions or require additional information, please contact me.

Sincerely,

*Richard E. Kingston*

Richard E. Kingston  
Vice President, ESBWR Licensing

D068  
NRO

Reference:

1. MFN 10-092, Transmittal of GEH Licensing Topical Report NEDO-33373, "Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks," Revision 4, March 2010, dated March 18, 2010

Enclosure:

1. GEH Licensing Topical Report NEDO-33373, "Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks," Revision 5, September 2010

cc: AE Cubbage      USNRC (with enclosures)  
JG Head            GEH/Wilmington (with enclosures)  
DH Hinds           GEH/Wilmington (with enclosures)  
TL Enfinger        GEH/Wilmington (with enclosures)  
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