



HITACHI

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MFN 10-319

Docket No. 52-010

October 22, 2010

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

Subject: Submittal of Approved Version of GEH Licensing Topical Report NEDO-33373-A, "Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks," Revision 5, October 2010

The purpose of this letter is to submit the approved version of the subject Licensing Topical Report (LTR). The NRC issued the final Safety Evaluation Report in Reference 1 and requested that GE Hitachi Nuclear Energy publish an accepted version of the LTR incorporating the Safety Evaluation, which is provided in Enclosure 1. The accepted version also includes incorporation of markups previously submitted to the NRC in Reference 2.

If you have any questions about the information provided, please contact me.

Sincerely,

Richard E. Kingston

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Vice President, ESBWR Licensing

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NRO

References:

1. Letter from U.S. Nuclear Regulatory Commission to Mr. Jerald G. Head, "*Final Safety Evaluation for GE Hitachi Nuclear Energy Licensing Topical Report NEDO-33373, Revision 5, 'Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks'*," October 20, 2010
2. MFN 10-326, Letter from Richard E. Kingston to U.S. Nuclear Regulatory Commission, "*Transmittal of Markup for Licensing Topical Report NEDO-33373, Revision 5, 'Dynamic, Load-Drop and Thermal-Hydraulic Analyses for ESBWR Fuel Racks'*," October 15, 2010

Re:

Enclosure:

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

cc:

AE Cubbage	USNRC (with enclosures)
J G Head	GEH/Wilmington (with enclosures)
DH Hinds	GEH/Wilmington (with enclosures)
TL Enfinger	GEH/Wilmington (with enclosures)
eDRF Section	0000-0124-5897