

***Proprietary Notice***

*This letter forwards proprietary information in accordance with 10CFR2.390. Upon the removal of Enclosure 1, the balance of this letter may be considered non-proprietary.*

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MFN 07-500

Docket No. 52-010

September 27, 2007

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

Subject: **Licensing Topical Report NEDE-33197P, Revision 1, Gamma Thermometer System for LPRM Calibration and Power Shape Monitoring**

The purpose of this letter is to transmit Revision 1 of GEH's Licensing Topical Report (LTR) NEDE-33197P, "Gamma Thermometer System for LPRM Calibration and Power Shape Monitoring," as referenced in General Electric letter MFN 07-265, dated June 1, 2007.

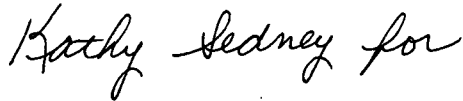
Revision 1 of NEDE-33197P incorporates responses to various NRC RAIs. NEDE-33197P is being submitted as a proprietary document as shown in Enclosure 1. Enclosure 1 contains proprietary information as defined in 10CFR2.390. The affidavit contained in Enclosure 3 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GEH. GEH hereby requests that the proprietary information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17. Enclosure 2 contains a non-proprietary version of the gamma thermometer LTR.

Enclosure 4 provides ESBWR DCD changes to reflect NEDE-33197P, Revision 1.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "James C. Kinsey for".

James C. Kinsey  
Vice President, ESBWR Licensing

Reference:

1. MFN 07-265, Letter from James C. Kinsey to U.S. Nuclear Regulatory Commission, *Updated Integrated Plan and Schedule – ESBWR Design Certification Application*, June 1, 2007

Enclosures:

1. GEH Nuclear Energy, "Gamma Thermometer System for LPRM Calibration and Power Shape Monitoring," NEDE-33197P, Revision 1, September 2007 – Proprietary Version
2. GEH Nuclear Energy, "Gamma Thermometer System for LPRM Calibration and Power Shape Monitoring," NEDO-33197, Revision 1, September 2007 – Non-Proprietary Version
3. Affidavit – David H. Hinds – dated September 27, 2007
4. DCD Tier 2 Changes to Reflect NEDE-33197P, Revision 1

cc: AE Cabbage      USNRC (with enclosures)  
RE Brown      GEH/Wilmington (with enclosures)  
GB Stramback      GEH/San Jose (with enclosures)  
eDRF Section No. 0000-0041-9903, Revision 1