



## Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

### Proprietary Notice

This letter transmits proprietary information in accordance with 10 CFR 2.390. Upon the removal of Enclosure 1, the balance of the letter may be considered non-proprietary.

MFN 11-194

October 21, 2011

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

**Subject:** GNF2 Advantage Generic Compliance with NEDE-24011-P-A (GESTAR II), NEDC-33270P, Revision 4, October 2011

This letter transmits Revision 4 to the GNF2 Advantage Generic Compliance with NEDE-24011-P-A (GESTAR II). Section 1.1 of GESTAR II defines a set of fuel licensing acceptance criteria for evaluating new fuel designs and for determining the applicability of generic analyses to these new designs. As stated in GESTAR II, "Fuel design compliance with the fuel licensing acceptance criteria constitutes USNRC acceptance and approval of the fuel design without specific USNRC review." All of the criteria defined in GESTAR II have been met for the GNF2 fuel design as characterized by Revision 4 to the Compliance report.

All changes to Revision 3 (Reference 1) are noted in the Revisions summary table and by revision bars in the right margin of the report.

Please note that Enclosure 1 contains proprietary information of the type that GNF-A maintains in confidence and withholds from public disclosure. The information has been handled and classified as proprietary to GNF-A as indicated in its affidavit, which is also included in the report. The affidavit contained in Enclosure 3 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GNF-A. GNF-A hereby requests that the information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17.

Enclosure 1 is the proprietary version of the GNF2 Compliance report and Enclosure 2 is a non-proprietary version. Enclosure 3 contains the affidavit.

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If you have any questions about the information provided here, please contact me at (910) 819-5954 or Jim Harrison at (910) 819-6604.

Sincerely,



Andrew A. Lingenfelter  
Vice President, Fuel Engineering  
Global Nuclear Fuel – Americas, LLC

Project No. 712

#### References

1. Letter from AA Lingenfelter (GNF) to Document Control Desk (NRC), Subject: “Amendment 33 to NEDE-24011-P, General Electric Standard Application for Reactor Fuel (GESTAR II) and GNF2 Advantage Generic Compliance with NEDE-24011-P-A (GESTAR II), NEDC-33270P, Revision 3, March 2010,” MFN 10-045, March 5, 2010.

#### Enclosures

1. GNF2 Advantage Generic Compliance with NEDE-24011-P-A (GESTAR II), NEDC-33270P, Revision 4, October 2011 - GNF Proprietary Information – Class III (Confidential)
2. GNF2 Advantage Generic Compliance with NEDE-24011-P-A (GESTAR II), NEDC-33270, Revision 4, October 2011 - Non-Proprietary Information – Class I (Public)
3. Affidavit dated October 2011

cc: SS Philpott, NRC  
PL Campbell, GEH Washington  
JG Head, GEH Wilmington  
JF Harrison, GEH Wilmington  
GA Luciano, GNF Wilmington  
RM Fawcett, GNF Wilmington  
eDRFSection 0000-0065-5410 Revision 4

#### **Document Components:**

001 MFN 11-194 Cover Letter.pdf  
002 MFN 11-194 Enclosure 1 Proprietary.pdf  
003 MFN 11-194 Enclosure 2 Non-Proprietary.pdf  
004 MFN 11-194 Enclosure 3 Affidavit.pdf