



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Andy Lingenfelter
Vice President, Fuel Engineering
Global Nuclear Fuel – Americas, LLC
Castle Hayne Road, Wilmington, NC 28401
(910)675-5954 Fax: (910)675-6614
Andy.Lingenfelter@gnf.com

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

Subject: Removal of Penalty Being Applied to GE14 Critical Power Correlation for Outlet Peaked Axial Power Shapes

Since February 2002 (Reference 1), GNF has been applying a penalty to the GEXL14 Critical Power bias and uncertainty used in the determination of the Safety Limit Critical Power Ratio for outlet peaked axial power shapes. This penalty was to be applied until outlet peaked data was acquired and incorporated into the correlation statistics. The required outlet peaked data has been acquired at Stern Laboratories Inc., documented to the US NRC, and approved (Reference 2). The acceptance version of the GNF GEXL14 Correlation for GE14 Fuel Topical Report, NEDC-32851P-A, has been transmitted by Reference 3.

Accordingly, beginning immediately, GNF will no longer apply the penalty to the GEXL14 bias and uncertainty in the determination of the Safety Limit Critical Power Ratio for outlet peaked axial power shapes.

If you have any questions about the information provided here, please contact me at (910) 675-5954 or Jim Harrison at (910) 675-6604.

Sincerely,

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

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References

1. Letter from GA Watford (GNF) to Document Control Desk (US NRC), Final Presentation Material For GEXL Presentation – February 11, 2002, FLN-2002-004, February 12, 2002.
2. Letter from HK Nieh (US NRC) to AA Lingenfelter (GNF), Final Safety Evaluation for Global Nuclear Fuel (GNF) Topical Report (TR) NEDC-32851P, Revision 2, “GEXL14 Correlation for GE14 Fuel”(TAC NO. MD5486), August 3, 2007.
3. Letter from AA Lingenfelter (GNF) to Document Control Desk (US NRC), Acceptance Version of Global Nuclear Fuel (GNF) Topical Report (TR) NEDC-32851P, Revision 2, “GEXL14 Correlation for GE14 Fuel”, (TAC NO. MD5486), FLN-2007-029, September 14, 2007

cc: MC Honcharik, USNRC
JGM Andersen, GNF/Wilmington
PL Campbell, GEH, Washington
RE Brown, GEH/Wilmington
JF Harrison, GEH/Wilmington
eDRF Section 0000-0074-7445