



Global Nuclear Fuel

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Proprietary Notice

This letter transmits proprietary information in accordance with 10CFR2.390. Upon the removal of Enclosures 1 and 4, the balance of the letter may be considered non-proprietary.

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MFN 09-440

June 30, 2009

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

Subject: LANCR02 Lattice Physics Model Description Licensing Topical Report, NEDC-33376P, Revision 1, June 2009, and LANCR02 Lattice Physics Model Qualification Licensing Topical Report, NEDC-33377P, Revision 1, June 2009.

Global Nuclear Fuel-Americas (GNF-A) is developing advanced lattice physics (LANCR02) and core simulator (AETNA02) nuclear methods for application in BWRs.

This submittal includes the LANCR02 Lattice Physics Model Description and Qualification Licensing Topical Reports. LANCR02 determines the basic lattice nuclear characteristics and fuel assembly nuclear parameters for use in downstream applications, such as 3-D nodal simulators and transient analysis codes (e.g., AETNA and TRACG). Additionally, LANCR02 lattice physics information may be used directly in other downstream applications, such as the power distribution uncertainties for SLMCPR. GNF-A requests that the NRC review and approve LANCR02 to provide such inputs to downstream applications.

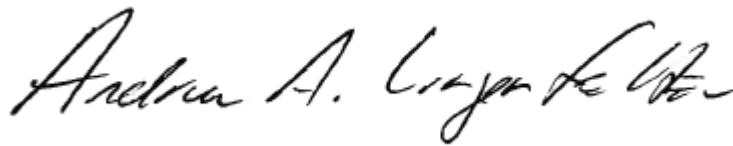
Please note that Enclosures 1 and 4 contain proprietary information of the type that GNF maintains in confidence and withholds from public disclosure. The information has been handled and classified as proprietary to GNF-A as indicated in its affidavit, also included in the reports. The affidavits contained in Enclosures 3 and 6 identify that the information contained in Enclosures 1 and 4 have been handled and classified as proprietary to GNF-A. GNF-A hereby requests that the information in Enclosures 1 and 4 be withheld from public disclosure in accordance with the provisions of 10CFR2.390 and 9.17.

Enclosure 1 is the proprietary version of the LANCR02 Lattice Physics Model Description report and Enclosure 2 is a non-proprietary version. Enclosure 3 contains the affidavit.

Enclosure 4 is the proprietary version of the LANCR02 Lattice Physics Model Qualification report and Enclosure 5 is a non-proprietary version. Enclosure 6 contains the affidavit.

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

Enclosures

1. LANCR02 Lattice Physics Model Description Licensing Topical Report, NEDC-33376P, Revision 1, June 2009- GNF Proprietary Information
2. LANCR02 Lattice Physics Model Description Licensing Topical Report, NEDO-33376, Revision 1, June 2009- Non-Proprietary Information
3. Affidavit for NEDO-33376P, dated June 30, 2009
4. LANCR02 Lattice Physics Model Qualification Licensing Topical Report, NEDC-33377P, Revision 1, June 2009- GNF Proprietary Information
5. LANCR02 Lattice Physics Model Qualification Licensing Topical Report, NEDO-33377, Revision 1, June 2009- Non-Proprietary Information
6. Affidavit for NEDO-33377P, dated June 30, 2009

cc: MC Honcharik, NRC
SS Philpott, NRC
AA Lingenfelter, GNF Wilmington
JG Head, GEH Wilmington
eDRFSection 0000-0103-4222

Document Components:

001 MFN 09-440 Cover Letter.pdf
002 MFN 09-440 Enclosure 1 Proprietary.pdf
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