



Global Nuclear Fuel

Brian R. Moore, Ph.D.

Global Nuclear Fuel – Americas, LLC
General Manager, Core & Fuel Engineering
P.O. Box 780, M/C A55
Wilmington, NC 28401 USA

M180189
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T 910 232-2115
Brian.Moore@ge.com

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

Subject: Additional Modification to the Proposed Administrative Amendment 48 to NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel (GESTAR II)

Reference 1 proposed changes to Appendix A of the US Supplement to GESTAR II to incorporate editorial corrections to the Supplemental Reload Licensing Report (SRLR) and Fuel Bundle Information Report (FBIR) templates.

GNF would like to make one additional modification to Section 11 of the SRLR template in Appendix A to provide additional clarity regarding the Safety Limit Minimum Critical Power Ratio (SLMCPR) parameter in the SRLR. The incremental change in SRLR Section 11 is

from:

Two loop operation safety limit: [n.nn]

Single loop operation safety limit: [n.nn]

to:

Two loop operation cycle-specific SLMCPR: [n.nn]

Single loop operation cycle-specific SLMCPR: [n.nn]

The enclosed page for Section 11 is a composite of this change and those proposed in Reference 1. This change does not affect the fundamental technical content. Only the affected Section 11 page of Appendix A has been included.

If you have any questions about the information provided here, please contact me at (910) 819-6684 or Lisa Schichlein at (910) 819-4815.

Sincerely,

Brian R. Moore, Ph.D
General Manager, Core & Fuel Engineering
Global Nuclear Fuel – Americas, LLC

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Project No. 712

Docket No. 99901376

Reference:

1. Letter, Brian R. Moore (GNF) to Document Control Desk (NRC), Subject: Proposed Administrative Amendment 48 to NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel (GESTAR II), M180106, June 6, 2018.

Enclosure:

1. Additional Modification to Proposed Amendment 48 to GESTAR II US Supplement Appendix A – Non-Proprietary Information – Class I (Public)

cc: J Golla, USNRC
MP Catts, GEH/Wilmington
JF Harrison, GEH/Wilmington
KE Halac, GEH/Wilmington
LK Schichlein, GEH/Wilmington
PLM Specification 004N8158 R1

ENCLOSURE 1

M180189

Additional Modification to Proposed Amendment 48 to
GESTAR II US Supplement Appendix A

Non-Proprietary Information – Class I (Public)

11. Cycle SLMCPR and OLMCPR Summary Values^{7 8}

Two (or Full) loop operation **safety limit cycle-specific SLMCPR:** [n.nn]

Single (or Reduced) loop operation **safety limit cycle-specific SLMCPR:** [n.nn]

Stability MCPR Design Basis: See Section 15

ECCS MCPR Design Basis: See Section 16 (Initial MCPR)

~~SLO Pump Seizure OLMCPR: See Pump Seizure Appendix (line included if applicable)~~

Non-pressurization Events:

Exposure range: BOC to EOC	
	<i>{Appropriate Fuel Design(s)}</i>
Control Rod Withdrawal Error <i>{Optional}</i> (RBM setpoint at [nnn] %)	[n.nn]
Loss of Feedwater Heating (See Appendix [a])	[n.nn]
Fuel Loading Error (misoriented)	[n.nn] (or “Not Limiting” or “N/A”)
Fuel Loading Error (mislocated)	[n.nn] (or; “Not Limiting” or “N/A (See Section 13)”))
Rated Equivalent SLO (or RLO) Pump Seizure⁹	[n.nn] (or “Not Limiting”)

⁷ Exposure range designation is defined in Table 7-1.

⁸ For single loop operation, the MCPR operating limit is [n.nn] greater than the two loop value.

⁹ **The cycle-independent OLMCPR for the recirculation pump seizure event for {Appropriate Fuel Design} is [n.nn] based on the cycle-specific SLO (or RLO) SLMCPR. When adjusted for the off-rated power/flow conditions of SLO (or RLO), this limit corresponds to a rated OLMCPR of [n.nn]. This limit does not require an adjustment for the SLO (or RLO) SLMCPR.**