



Entergy Operations, Inc.  
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Port Gibson, MS 39150

Kevin Mulligan  
Site Vice President  
Grand Gulf Nuclear Station  
Tel. (601) 437-7400

GNRO-2014/00031

April 11, 2014

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

SUBJECT: Response to Electronic Request for Additional Information Regarding  
Maximum Extended Load Line Limit Plus Amendment Request, dated  
3/18/2014  
Grand Gulf Nuclear Station, Unit 1  
Docket No. 50-416  
License No. NPF-29

REFERENCES: 1 Electronic Request for Additional Information Regarding Maximum  
Extended Load Line Limit Plus Amendment Request Dated 3/18/2014  
(TAC MF2798)  
2 Entergy Letter, "Maximum Extended Load Line Limit Analysis Plus  
(MELLLA+) License Amendment Request," GNRO-2013/00012, dated  
September 25, 2013 (ADAMS Accession No. ML13269A140).

Dear Sir or Madam:

Entergy Operations, Inc. is providing in Attachment 1 the revised mark-up pages and in Attachment 2, the revised clean technical specification pages requested in the Reference 1 Request for Additional Information (RAI).

This letter contains no new commitments. If you have any questions or require additional information, please contact Mr. Jeffery Seiter at 601-437-2344.

I declare under penalty of perjury that the foregoing is true and correct; executed on April 11, 2014.

Sincerely,

A handwritten signature in black ink, appearing to be "KJM/jas", followed by a long horizontal line that ends in a stylized flourish.

KJM/jas

Attachments: 1 Request for Additional Information - Revised Technical Specification Mark-up  
Pages  
2 Request for Additional Information - Revised Technical Specification Clean  
Pages

cc: (see next page)

cc: with Attachment

U.S. Nuclear Regulatory Commission  
ATTN: Mr. Marc L. Dapas  
Regional Administrator, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

U.S. Nuclear Regulatory Commission  
ATTN: Mr. A. Wang, NRR/DORL  
Mail Stop OWFN/8 G14  
Washington, DC 20555-0001

NRC Senior Resident Inspector  
Grand Gulf Nuclear Station  
Port Gibson, MS 39150

State Health Officer  
Mississippi Department of Health  
P. O. Box 1700  
Jackson, MS 39215-1700

**Attachment 1 to**

**GNRO-2014/00031**

**Request for Additional Information - Revised Technical Specification Mark-up Pages**

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
I. As required by Required Action D.1 and referenced in Table 3.3.1.1-1.	I.1 Initiate action to fully insert all insertable control rods in core cells containing one or more fuel assemblies.	Immediately
J. As required by Required Action D.1 and referenced in Table 3.3.1.1-1.	<p>J.1 Initiate alternate method to detect and suppress thermal hydraulic instability oscillations.</p> <p><u>AND</u></p> <p>J.2 ----- NOTE ----- LCO 3.0.4 is not applicable. -----</p> <p>Restore required channels to OPERABLE.</p>	<p>12 hours</p> <p>120 days</p>
K. Required Action and associated Completion Time of Condition J not met.	K.1 Reduce THERMAL POWER to < 21% RTP.	4 hours

Replace with INSERT TS-1.

INSERT TS-1

J. As required by Required Action D.1 and referenced in Table 3.3.1.1-1.	J.1	Initiate action to implement the Manual BSP regions defined in the COLR	Immediately
	<u>AND</u>		
	J.2	Implement the Automated BSP Scram region using the modified APRM Flow Biased simulated Thermal Power - High rip function setpoints defined in the COLR.	12 hours
	J.3	Initiate action to submit an OPRM report in accordance with Specification 5.6.7.	Immediately
K. Required Action and associated Completion Time of Condition J not met.	K.1	Initiate action to implement the Manual BSP Regions defined in the COLR.	Immediately
	<u>AND</u>		
	K.2	Reduce operation to below the BSP Boundary defined in the COLR.	12 hours
	<u>AND</u>		
	K.3	----- NOTE ----- LCO 3.0.4 is not applicable. -----  Restore required channels to OPERABLE.	120 days
L. Required Action and associated Completion Time of Condition J not met.	L.1	Reduce THERMAL POWER to < 16.8% RTP.	4 hours

5.6 Reporting Requirements

5.6.6 Reactor Coolant System (RCS) Pressure and Temperature Limits Report (PTLR)

- a. RCS pressure and temperature limits for heatup, cooldown, low temperature operation, criticality, and hydrostatic testing as well as heatup and cooldown rates shall be established and documented in the PTLR for the following:
  - i) Limiting Conditions for Operations Section 3.4.11, "RCS Pressure and Temperature (P/T) Limits"
  - ii) Surveillance Requirements Section 3.4.11, "RCS Pressure and Temperature (P/T) Limits"
- b. The analytical methods used to determine the RCS pressure and temperature limits shall be those previously reviewed and approved by the NRC, specifically those described in the following document:
  - i) NEDC-33178P-A, "GE Hitachi Nuclear Energy Methodology for Development of Reactor Pressure Vessel Temperature Curves" Revision 1, June 2009
- c. The PTLR shall be provided to the NRC upon issuance for each reactor vessel fluence period and for any revision or supplement thereto.

5.6.7 Oscillation Power Range Monitor (OPRM) Report

When an OPRM report is required by CONDITION J of LCO 3.3.1.1, "RPS Instrumentation," it shall be submitted within 90 days of entering CONDITION J. The report shall outline the pre-planned means to provide backup stability protection, the cause of the inoperability, and the plans and schedule for restoring the required instrumentation channels to OPERABLE status.

**Attachment 2 to**

**GNRO-2014/00031**

**Request for Additional Information - Revised Technical Specification Clean Pages**

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
I. As required by Required Action D.1 and referenced in Table 3.3.1.1-1.	I.1 Initiate action to fully insert all insertable control rods in core cells containing one or more fuel assemblies.	Immediately
J. As required by Required Action D.1 and referenced in Table 3.3.1.1-1.	J.1 Initiate action to implement the Manual BSP regions defined in the COLR  <u>AND</u> J.2 Implement the Automated BSP Scram region using the modified APRM Flow Biased simulated Thermal Power - High rip function setpoints defined in the COLR.  J.3 Initiate action to submit an OPRM report in accordance with Specification 5.6.7.	Immediately  12 hours  Immediately
K. Required Action and associated Completion Time of Condition J not met.	K.1 Initiate action to implement the Manual BSP Regions defined in the COLR.  <u>AND</u> K.2 Reduce operation to below the BSP Boundary defined in the COLR.  <u>AND</u> K.3 ----- NOTE ----- LCO 3.0.4 is not applicable. -----  Restore required channels to OPERABLE.	Immediately  12 hours  120 days
L. Required Action and associated Completion Time of Condition J	L.1 Reduce THERMAL POWER to < 16.8% RTP.	4 hours



5.6 Reporting Requirements

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5.6.6 Reactor Coolant System (RCS) Pressure and Temperature Limits Report (PTLR)

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5.6.7 Oscillation Power Range Monitor (OPRM) Report

When an OPRM report is required by CONDITION J of LCO 3.3.1.1, "RPS Instrumentation," it shall be submitted within the following 90 days. The report shall outline the preplanned means to provide backup stability protection, the cause of the inoperability, and the plans and schedule for restoring the required instrumentation channels to OPERABLE status.

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