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GNRO-2006/00052

September 21, 2006

U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Technical Requirements Manual Update to the NRC for Period Dated
September 21, 2006

Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29

Dear Sir and Madam:

Pursuant to Grand Gulf Nuclear Station (GGNS) Technical Requirements Manual Section 1.04, Entergy Operations, Inc. hereby submits an update of all changes made to GGNS Technical Specification TRM since the last submittal (GNRO-2006/00031) letter dated May 15, 2006 to the NRC from GGNS. This update is consistent with update frequency listed in 10CFR50.71(e).

This letter does not contain any commitments.

Should you have any questions, please contact Michael Larson at (601) 437-6685.

Yours truly,

A handwritten signature in black ink, appearing to be "CAB/MJL".

CAB/MJL

attachment: Technical Requirement Manual Pages

cc: next page

cc:

Compton	J. N.		(w/o)
Levanway	D. E.	(Wise Carter)	(w/o)
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NRC Senior Resident Inspector Grand Gulf Nuclear Station Port Gibson, MS 39150	
U.S. Nuclear Regulatory Commission ATTN: Dr. Bruce S. Mallett (w/2) 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011-4005	ALL LETTERS
U.S. Nuclear Regulatory Commission ATTN: Mr. Bhalchandra Vaidya , NRR/DORL (w/2) ATTN: ADDRESSEE ONLY ATTN: Courier Delivery Only Mail Stop OWFN/7D-1 11555 Rockville Pike Rockville, MD 20852-2378	ALL LETTERS – COURIER DELIVERY (FEDEX, ETC.) ADDRESS ONLY - ****DO NOT USE FOR U.S. POSTAL SERVICE ADDRESS***** NOT USED IF EIE USED

ATTACHMENT to GNRO-2006/00052

Grand Gulf Technical Requirement Manual Pages

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR TR3.3.2.1.6	Perform a CHANNEL FUNCTIONAL TEST.	366 days
SR TR3.3.2.1.7	Perform a CHANNEL FUNCTIONAL TEST.	92 days
SR TR3.3.2.1.8	Perform a CHANNEL FUNCTIONAL TEST.	Within 7 days prior to startup
SR TR3.3.2.1.9	-----NOTE----- Neutron detectors may be excluded. ----- Perform a CHANNEL CALIBRATION.	92 days
SR TR3.3.2.1.10	-----NOTES----- 1. Neutron detectors are excluded. 2. APRM recirculation flow transmitters are excluded. 3. For Function 1.a, the digital components of the flow control trip reference cards are excluded. ----- Perform a CHANNEL CALIBRATION.	184 days
SR TR3.3.2.1.11	Perform a CHANNEL CALIBRATION.	18 months
SR TR3.3.2.1.12	Perform APRM recirculation flow transmitter calibration.	18 months
SR TR3.3.2.1.13	Adjust the flow control trip reference card to conform to reactor flow.	Once within 7 days after reaching equilibrium conditions following a refueling outage

TABLE TR3.3.2.1-2 (Continued)

CONTROL ROD BLOCK INSTRUMENTATION

<u>FUNCTIONAL UNIT</u>	<u>APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS</u>	<u>REQUIRED CHANNELS PER TRIP SYSTEM</u>	<u>CONDITIONS REFERENCED FROM REQUIRED ACTION A.1</u>	<u>SURVEILLANCE REQUIREMENTS</u>	<u>ALLOWABLE VALUES</u>	<u>TRIP SETPOINT</u>
3. <u>INTERMEDIATE RANGE MONITORS</u> (continued)						
d. Downscale	2(d), 5(d)***	6	B	SR TR3.3.2.1.3 SR TR3.3.2.1.9	≥ 3/125 of full scale	≥ 5/125 of full scale
4. <u>SCRAM DISCHARGE VOLUME</u>						
a. Water Level-High	1, 2, 5*	2	D	SR TR3.3.2.1.6 SR TR3.3.2.1.11	≤ 33.5 inches	≤ 32 inches
5. <u>REACTOR COOLANT SYSTEM RECIRCULATION FLOW</u>						
a. Upscale	1	3	D	SR TR3.3.2.1.7 SR TR3.3.2.1.10 SR TR3.3.2.1.12	≤ 114% of rated flow	≤ 111% of rated flow

TABLE TR3.3.6.3-1

TECHNICAL SPECIFICATION RHR CONTAINMENT SPRAY
SYSTEM INSTRUMENTATION TRIP SETPOINTS

<u>FUNCTION</u>	<u>TRIP SETPOINT</u>
1. Drywell Pressure - High	≤ 1.39 psig
2. Containment Pressure - High	≤ 7.84 psig
3. Reactor Vessel Water Level - Low Low Low, Level 1	≥ -150.3 inches*
4. System A and B Timers	≥ 10.75 minutes and ≤ 10.95 minutes

*See Bases Figure B 3.3.1.1

TR3.4 REACTOR COOLANT SYSTEM (RCS)

TR3.4.6 RCS Pressure Isolation Valve (PIV) Leakage, Pressure Monitors and Interlocks.

LCO TR3.4.6 The high/low pressure interface valve pressure monitors and interlocks shall be OPERABLE.

APPLICABILITY: MODES 1 and 2,
 MODE 3, except valves in the residual heat removal (RHR) shutdown cooling flowpath when in, or during the transition to or from, the shutdown cooling mode of operation.

ACTIONS

-----NOTES-----

1. LCO 3.0.3 is not applicable.
 2. Separate Condition entry is allowed for each channel.
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CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more pressure monitors or interlocks inoperable.	A.1 Restore channel to OPERABLE status.	30 days
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 3.	12 hours
	<u>AND</u> B.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.4.6.1 Perform CHANNEL FUNCTIONAL TEST on the high/low pressure interface valves leakage pressure monitor alarm and interlock setpoints per Table TR3.4.6-2 and Table TR3.4.6-3.	366 days
SR TR3.4.6.2 Perform CHANNEL CALIBRATION on the high/low pressure interface valves leakage pressure monitor alarm and interlock setpoints per Table TR3.4.6-2 and Table TR3.4.6-3.	18 months

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.5.1.3 Perform a CHANNEL FUNCTIONAL TEST of the discharge line "keep filled" pressure alarm instrumentation.	366 days
SR TR3.5.1.4 Deleted	
SR TR3.5.1.5 Perform a CHANNEL FUNCTIONAL TEST of the accumulator low pressure alarm channels.	366 days
SR TR3.5.1.6 Perform a CHANNEL CALIBRATION of the discharge line high pressure alarm instrumentation. Verify the high pressure setpoints; <ul style="list-style-type: none"> a. LPCS system to be \leq 575 psig, and b. LPCI subsystems to be \leq 475 psig. 	18 months
SR TR3.5.1.7 Deleted	
SR TR3.5.1.8 Perform a CHANNEL CALIBRATION of the accumulator low pressure alarm channels. Verify an alarm setpoint of \geq 150 psig on decreasing pressure.	18 months
SR TR3.5.1.9 Perform a CHANNEL CALIBRATION of "keep filled" low pressure alarm instrumentation. Verify the low pressure setpoint; <ul style="list-style-type: none"> a. LPCI A and B subsystem to be \geq 38 psig, b. LPCI C subsystem and LPCS system to be \geq 22 psig, and c. HPCS system to be \geq 18 psig. 	18 months

-----NOTE-----
 The following surveillance requirements apply to LCO 3.6.1.9. Failure to meet these surveillance requirements requires entry into LCO 3.6.1.9.

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR TR3.6.1.9.1	Perform a CHANNEL CHECK of the inboard and outboard pressure instrumentation.	24 hours
SR TR3.6.1.9.2	Perform a CHANNEL FUNCTIONAL TEST of the inboard and outboard pressure instrumentation.	366 days
SR TR3.6.1.9.3	DELETED	Not Applicable
SR TR3.6.1.9.4	DELETED	Not Applicable
SR TR3.6.1.9.5	-----NOTE----- Not required to be performed in MODES 1, 2 or 3. ----- Cycle each motor operated valve through at least one complete cycle of full travel.	92 days
SR TR3.6.1.9.6	-----NOTE----- The following test is not performed with the MSIV LCS subsystems lined up to the main steam lines and is normally performed as part of SR 3.6.1.9.3. ----- Verify that each blower develops, at the rated capacity, ≥ 15 " H ₂ O vacuum at ≥ 200 scfm on the outboard subsystem.	18 months
SR TR3.6.1.9.7	Perform a CHANNEL CALIBRATION of the inboard and outboard pressure instrumentation.	18 months

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.6.2.1.1 Perform a CHANNEL CHECK.	24 hours
SR TR3.6.2.1.2 Perform a CHANNEL FUNCTIONAL TEST.	366 days
SR TR3.6.2.1.3 Perform a CHANNEL CALIBRATION.	18 months

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.6.2.2.1 Perform a CHANNEL CHECK.	24 hours
SR TR3.6.2.2.2 Perform a CHANNEL FUNCTIONAL TEST.	366 days
SR TR3.6.2.2.3 Perform a CHANNEL CALIBRATION.	18 months

SURVEILLANCE REQUIREMENTS

-----NOTE-----

When a channel is placed in an inoperable status solely for performance of required surveillances, entry into associated Conditions and Required Actions may be delayed for up to 2 hours, provided that the trip Function capability is maintained.

SURVEILLANCE		FREQUENCY
SR 6.3.7.1	Perform a CHANNEL CHECK.	12 hours
SR 6.3.7.2	Perform a CHANNEL FUNCTIONAL TEST.	366 days
SR 6.3.7.3	Perform a CHANNEL CALIBRATION. The Allowable Value shall be ≤ 56.7 inches and ≥ 55.3 inches. The Trip Setpoint shall be 56.0 inches, nominal. The Trip Output Relay Time Delay shall be ≤ 1.1 seconds and ≥ 0.90 seconds with a nominal setting of 1.0 second.	18 months
SR 6.3.7.4	Perform a LOGIC SYSTEM FUNCTIONAL TEST and simulated automatic operation of all channels.	18 months

6.3 INSTRUMENTATION

6.3.12 ULTRASONIC FLOWMETER

LCO 6.3.12 Two Ultrasonic Flowmeters (UFMs) shall be OPERABLE.

APPLICABILITY: MODE 1, at THERMAL POWER above 25% RTP.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. With one or both UFMs inoperable.</p>	<p>A.1 If THERMAL POWER is greater than 90% RTP, verify all feedwater flow fouling and temperature correction factors are available.</p> <p><u>AND</u></p> <p>A.2 Restore both UFMS to OPERABLE status.</p> <p><u>OR</u></p> <p>A.3 If THERMAL POWER is less than or equal to 90% RTP, restore both UFMs to OPERABLE status.</p>	<p>Immediately</p> <p><u>AND</u></p> <p>Every 12 hours</p> <p>72 hours</p> <p>Immediately</p>
<p>B. Required Action and Completion Times for Condition A not met.</p>	<p>B.1 Reduce or maintain THERMAL POWER to less than or equal to 3833 MWt.</p> <p><u>AND</u></p> <p>B.2 Substitute feedwater flow fouling and temperature correction factors with a value of 1.0.</p>	<p>Immediately</p> <p>Immediately</p>