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GNRO-2006/00031

May 15, 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
May 15, 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-2006/00009) letter dated February 16, 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)
Reynolds	N. S.		(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-2006/00031

Grand Gulf Technical Requirement Manual Pages

dated

May 15, 2006

TRM

TR3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS) AND REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM

TR3.5.1 ECCS - Alarm and Monitoring Instrumentation

- LCO TR3.5.1 The following instrumentation subsystems shall be OPERABLE.
- a. ECCS discharge line pressure (keep filled) alarm instrumentation.
 - b. Deleted
 - c. ADS accumulator low pressure alarm instrumentation.

APPLICABILITY: When associated ECCS is OPERABLE per LCO 3.5.1,
When associated ECCS is OPERABLE per LCO 3.5.2 for the ECCS discharge line pressure (keep filled) alarm instrumentation.

ACTIONS

-----NOTES-----

- 1. LCO 3.0.3 is not applicable.
 - 2. Separate Condition entry is allowed for each ECCS instrumentation channel.
-

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more ECCS discharge line "keep filled" pressure alarm instrumentation channels inoperable.	A.1 Perform SR 3.5.1.1	Once per 24 hours
B. Deleted		
C. Deleted		
D. One or more ADS accumulator low pressure alarm system instrumentation channels inoperable.	D.1 Determine ADS accumulator pressure locally. <u>AND</u> D.2 Restore channel.	Once per 12 hours 7 days
E. Required Action and associated Completion Time of Condition D not met.	E.1 Declare the associated ECCS inoperable.	Immediately

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.5.1.3 Perform a CHANNEL FUNCTIONAL TEST of the discharge line "keep filled" pressure alarm instrumentation.	92 days
SR TR3.5.1.4 Deleted	
SR TR3.5.1.5 Perform a CHANNEL FUNCTIONAL TEST of the accumulator low pressure alarm channels.	92 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 ≤ 575 psig, and b. LPCI subsystems to be ≤ 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 ≥ 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 ≥ 38 psig, b. LPCI C subsystem and LPCS system to be ≥ 22 psig, and c. HPCS system to be ≥ 18 psig. 	18 months

-----NOTES-----

The following surveillance requirement applies to LCO 3.6.1.8. Failure to met this surveillance requirement requires entry into LCO 3.6.1.8.

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR TR3.6.1.8.1 Cycle each valve not testable during power operation through at least one complete cycle of full travel.	18 months

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SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR TR3.8.1.4 -----NOTES-----</p> <p>1. This Surveillance shall not be performed in MODE 1, 2 or 3.</p> <p>2. All DG starts may be preceded by an engine prelube period.</p> <p>-----</p> <p>Verify, when started simultaneously from standby condition, each DG achieves:</p> <p>a. in ≤ 10 seconds, voltage ≥ 3744 V and frequency ≥ 58.8 Hz; and</p> <p>b. steady state voltage ≥ 3744 V and ≤ 4576 V and frequency ≥ 58.8 Hz and ≤ 61.2 Hz.</p>	<p>After any modifications which could affect DG interdependence</p>
<p>SR TR3.8.1.5 Perform a pressure test of those portions of the diesel fuel oil system designed to Section III, subsection ND of the ASME Code in accordance with ASME Code Section XI, Article IWD-5000.</p>	<p>10 years</p>
<p>SR TR3.8.1.6 Verify each DG automatic critical protective functions trip the DG (Reference: GNRO-2005/00056, GNRI-2006/00006). The critical protective functions are Engine Overspeed and Generator Differential Current (Reference: UFSAR 8.3.1.1.4.1.f(2) and 8.3.1.2.1.b.5.(g)).</p>	<p>18 months</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. As required by Required Action B.1 and referenced in Table 6.3.1-1.	E.1 Restore the required channel to OPERABLE status.	30 days
F. As required by Required Action B.1 and referenced in Table 6.3.1-1.	F.1 -----NOTE----- LCO 3.3.6.1 Surveillance Requirements Note 2 applies. ----- Declare the associated instrument channel inoperable per LCO 3.3.6.1.	Immediately
G. As required by Required Action B.1 and referenced in Table 6.3.1-1.	G.1 -----NOTE----- LCO 3.3.6.2 Surveillance Requirements Note 2 applies. ----- Declare the associated instrument channel inoperable per LCO 3.3.6.2.	Immediately
H. Required Action E.1 associated Completion Time not met.	H.1 Initiate action to prepare an appropriate deficiency document.	Immediately

SURVEILLANCE REQUIREMENTS

-----NOTES-----
Refer to Table 6.3.1-1 to determine which SRs apply to each channel.

SURVEILLANCE	FREQUENCY
SR 6.3.1.1 Perform a CHANNEL CHECK.	12 hours
SR 6.3.1.2 Perform a CHANNEL FUNCTIONAL TEST.	31 days

TABLE 6.3.1-1
RADIATION MONITORING INSTRUMENTATION

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITION REFERENCED FROM REQUIRED ACTION B.1	ALARM SETPOINT	MEASUREMENT RANGE	SURVEILLANCE REQUIREMENTS
9. Area Monitors						
a. Fuel Handling Area Monitors						
1) New Fuel Storage Vault	(b)	1	D	≤2.5 mR/hr	10 ⁻² to 10 ³ mR/hr	SR 6.3.1.1 SR 6.3.1.2 SR 6.3.1.5
2) Spent fuel Storage Pool	(c)	1(f)	D	≤2.5 mR/hr	10 ⁻² to 10 ³ mR/hr	SR 6.3.1.1 SR 6.3.1.2 SR 6.3.1.5
3) Dryer Storage Area	(d)	1(f)(g)	D	≤15 mR/hr	10 ⁻² to 10 ³ mR/hr	SR 6.3.1.1 SR 6.3.1.2 SR 6.3.1.5
b. Control Room Radiation Monitor	At all times	1	D	≤0.5 mR/hr	10 ⁻² to 10 ³ mR/hr	SR 6.3.1.1 SR 6.3.1.2 SR 6.3.1.5

* With RHR heat exchangers in operation.

** When irradiated fuel is being handled in the primary or secondary containment.

When CCW System is in operation.

With ADHR heat exchangers in operation.

(a) With irradiated fuel in spent fuel storage pool.

(b) With fuel in the new fuel storage vault.

(c) With fuel in the spent fuel storage pool.

(d) With fuel in the dryer storage area.

(e) The actuation and isolation caused by the Function is covered under other LCOs, except Function 5. Two upscale Hi Hi, one upscale Hi Hi and one downscale, or two downscale signals from the same trip system actuate the trip system and initiate isolation of the associated isolation valves. A channel may be placed in an inoperable status for up to 6 hours for required surveillance without placing the trip system in the tripped condition, provided at least one other OPERABLE channel in the same trip system is monitoring that parameter.

(f) Two monitors are required to meet the requirements of 10CFR70.24(a)(1).

(g) Monitors that are credited 10CFR70.24(a)(1) monitors are 1D21-K626, K627 and K629.