

Entergy Operations, Inc. 7003 Bald Hill Road P.O. Box 756 Port Gibson, MS 39150 Tel 601 437 6299

Christina L. Perino Manager Licensing

GNRO-2012/00108

September 14, 2012

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

SUBJECT: Licensee Event Report 2012-007-00 Standby Service Water System Administratively Inoperable For A Period Longer Than Allowed By Technical Specifications Grand Gulf Nuclear Station, Unit 1 Docket No. 50-416 License No. NPF-29

Dear Sir or Madam:

Attached is Licensee Event Report (LER) 2012-007-00 which is a final report. This report is submitted in accordance with 10 CFR 50.73(a)(2)(i)(B).

This letter does not contain any commitments. Should you have any questions regarding this report, please call Christina L. Perino at 601-437-6299.

Sincerely,

in The

CLP/ras

Attachment:

Licensee Event Report (LER) 2012-007-00

cc: (See Next Page)

GNRO-2012/00108 Page 2 of 2

cc: Mr. Elmo Collins Regional Administrator, Region IV U. S. Nuclear Regulatory Commission 1600 East Lamar Boulevard Arlington, TX 76011-4511

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

U. S. Nuclear Regulatory Commission ATTN: Mr. A. B. Wang, NRR/DORL (w/2) Mail Stop OWFN 8 B1 Washington, DC 20555-0001 Attachment To GNRO-2012/00108

Licensee Event Report (LER) 2012-007-00

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	E EVENT R	EPORT (LER) SHEET	U.S. NUCLE	AR REGULATORY COMMISSIO
1. FACILITY NAME	2. DOCKET	6. LER NU	MBER	3. PAGE
Grand Gulf Nuclear Station, Unit 1	05000 416	YEAR SEQUEN NUMBE		2 OF 4
		2012 00	7 00	
NARRATIVE				
A. Reportable Occurrence				
This Licensee Event Report (50.73(a)(2)(i)(B) as an operation B. Description of Structure(s In accordance with the Grand Safety Analysis Report (FSA) designed to provide a continu components necessary for pl and accident conditions. Dur system must provide the coo features to perform their inter	tion or condition), System(s) and d Gulf licensing R), the Standb Jous flow of co ant safety eith ring accident of ling water neo	on prohibited by and Component(s by Service Water boling water to the per during norma conditions, the St	Technical Sp ated in the C (EIIS:BI) sy ose systems operation o andby Servio	Decifications. Grand Gulf Final stem was s and r under abnormal ce Water (SSW)
C. Initial Conditions				
The reactor was in Mode 1 a power. Although the SSW s have been no passive failure	system was ad	ministratively inc	perable sinc	uprate (EPU) e 1987, there
D. Description of Occurrence	e			
The operation or condition pr modifying the single passive				

modifying the single passive failure criterion to restrict passive failures to pump seal leakage and valve packing failures for the SSW components from the Grand Gulf Nuclear Station (GGNS) Final Safety Analysis Report (FSAR) in 1987 without prior Nuclear Regulatory Commission (NRC) approval. The SSW system was administratively inoperable since 1987 when an inappropriately performed 10 CFR 50.59 evaluation was put in place to change the definition of a passive failure.

During the 2012 Component Design Basis Inspection (CDBI) at GGNS, the NRC reviewed the 10 CFR 50.59 safety evaluation performed for FSAR change dated August 18, 1987 per NPEFSAR 87/0067. This change affected FSAR Section 9.2.1 in removing detail for single passive failures for SSW components.

The inspection team noted that the responses to questions 1 and 2 in the evaluation provided justification (in part) from NUREG-0138 and SECY-77-439 for the "NO" responses. Justification concluded that no increase in probability of occurrence or consequences of an accident previously evaluated in the FSAR would occur. The "NO" responses allowed changes to be made without prior NRC approval.

1. FACILITY NAME	2. DOCKET	a	LER NUMBER		3. PAGE
rand Gulf Nuclear Station, Unit 1	2. DUURET	YEAR	SEQUENTIAL	U. FAUE	
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RRATIVE					
Description of Occurrence (cor	ntinued)				
NUREG-0138 and SECY 77-4 criterion does not require signif a Loss Of Coolant Accident (LO unlikely. The 10 CFR 50.59 sa to justify making changes to FS methodology for postulating sin credible passive SSW failures to pump seal or valve seal leak E. Cause of Occurrence The apparent cause for this iss	ficant rupture OCA), as this afety evaluati SAR Section ngle phase fa that can resi kage, not rup	es of mod s combine ion used 9.2.1. T ailures of ult in a los oture of S	lerate energ ed event wo the NUREG hese chang the SSW sy ss of fluid po SW system	y piping uld be e: and SE es revise vstem to ost-accid piping.	subsequent to xtremely CY documents ed the state that ent, are limited
used for justification in the 10 (understanding their applicabilit	CFR 50.59 s		•		
The NUREG-0138 document of systems such as the SSW Systems such as the SSW Systems single passive failures of Emer would be appropriate to resport safety evaluation which would changes were made to the GG	tem at GGN gency Core nd with a "YE have require	S. These Cooling S S" answ	e documents Systems (EC er to questic	were backs were backs were backs bac	ased on herefore, it d 2 in the
This issue is considered a late	nt human pe	rformanc	e error from	1987.	
F. Corrective Actions					
A Request has been submitted passive failure methodology.	to the NRC	seeking	approval of	changes	s to the SSW
An extent of condition sample misapplication of industry docu					
G. Safety Assessment					
The event posed no threat to p determined to be Operable wit	h Compensa	itory Mea	sures in pla	ce. Prio	

ACILITY NAME uclear Station, Unit 1 v Assessment (continue bilistic Risk Assessmer ency associated with a l bod of SSW failure durin uptures. htly, GGNS utilizes flow eturn to detect leakages han 1200 gpm, an Off N een created. hensatory actions provid ctions, and guidance for s beyond evaporative lo ctions in the ONEP are	nt (PRA) deter large LOCA, a ing the 24 hou v differential in s greater than Normal Event f de system leak r locating and osses.	YEAR 20 mined th is defined ir period a strument 1200 gal Procedur kage mor isolating	d in PRA-G after a LOC ation betwe lons per mi e (ONEP) f nitoring, ma system lea	REV. NO. 00 00 00 00 00 00 00 00 00 00 00 00 00	S06, the E-10/year for SW discharge n). For leakages SW basin level ter addition
v Assessment (continue bilistic Risk Assessmer ency associated with a l bod of SSW failure durin uptures. htly, GGNS utilizes flow eturn to detect leakages han 1200 gpm, an Off N een created. eensatory actions provid ctions, and guidance for s beyond evaporative lo ctions in the ONEP are	05000 416 ed) ht (PRA) deter large LOCA, a ing the 24 hou v differential in s greater than Normal Event F de system leak r locating and osses.	20 20 20 20 20 20 20 20 20 20 20 20 20 2	At, when co at, when co d in PRA-Gr after a LOC after a LOC ation betwe lons per mi e (ONEP) f nitoring, ma system lea	■ NO. 00 00 00 00 00 00 00 00 00 0	with the annual S06, the E-10/year for SW discharge n). For leakages SW basin level ter addition
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