

NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Grand Gulf Nuclear Plant - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 1 6	PAGE (3) 1 OF 0 3
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TITLE (4) Unit 2 Ultimate Heat Sink Components Required for Unit 1 Operability

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0 8	3 0	8 5	8 5	0 3 3	0 1	1 1	1 0	1 8	N/A		0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 1 POWER LEVEL (10) 0 9 6	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
	20.402(b)	20.406(e)	50.73(a)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	50.38(e)(1)	50.73(a)(2)(v)	73.71(c)						
	20.406(a)(1)(ii)	50.38(e)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	20.406(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)							
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)							
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
L. F. Daugherty/Compliance Superintendent	6 0 1 1	4 1 3 7 1 - 2 1 3 1 4	

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO					

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 30, 1985, it was determined that portions of the Unit 2 Standby Service Water (SSW) System required to support the seismic qualification of the Unit 1 SSW System were not under the operational control of the plant (i.e., had not been turned over to MP&L). A review of the SSW Systems P&ID's, stress calculations and piping drawings identified five Unit 1 stress problems where Unit 2 piping elements were included with respect to treatment of the seismic analysis boundary anchor points. Nuclear Plant Engineering has determined that Unit 2 equipment and piping in the SSW basin, as installed, was compatible with Unit 1 SSW design requirements. Furthermore, the Unit 2 SSW piping required to support Unit 1 operation, was not in an unanalyzed condition that would have significantly compromised plant safety.

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NRC Form 366A
(9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Grand Gulf Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 1 6 8 5 -	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	0 2	OF	0 3
		8 5 -	0 3 3 -	0 1			

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Description of Occurrence

On August 30, 1985, it was determined that portions of the Unit 2 Standby Service Water (SSW) System required to support the seismic qualification of Unit 1 SSW were not under the operational control of the plant.

Initial Conditions

The plant was operating at approximately 96 percent reactor power.

Status of Redundant or Backup Systems

Not Applicable

Nature of Occurrence

On June 6, 1985, while preparing for the removal and modification of the Unit 2 SSW pumps it was determined that additional piping areas in the SSW basin should be included in the Unit 1 scope of operation.

At the request of plant management, Nuclear Plant Engineering reviewed the Unit 1 SSW System to identify any additional Unit 2 equipment, components or systems required for the continued operations of the plant. A review of the SSW P&ID's, stress calculations, and piping drawings identified five Unit 1 stress problems where Unit 2 piping elements were included with respect to treatment of the seismic analysis boundary. Walkdowns of the Unit 2 equipment and systems in the SSW basin area were performed to verify actual system configuration. Additionally, items related to Seismic II/I considerations were also included in the review and walkdown. The only significant items identified during the walkdown were two valves (Q2P41-F012 and F005A) and two strainers (Q2P41-G501A and G501B) that were missing. The subject piping for which continuity was not maintained by removal of valves and strainers is for Unit 2 only and is not in service. Only the Seismic II/I criteria is required to be met in this case. Corrective actions were taken by installing threaded rods with double nuts through mating flanges where the valves were missing, and bolting a ring spacer and mating flange where the strainers were removed.

An evaluation performed by Nuclear Plant Engineering confirmed the engineering acceptability of the Unit 2 piping identified to support Unit 1. The evaluation took into consideration the discrepancies that were noted. Nuclear Plant Engineering concluded that the Unit 2 SSW piping required to support Unit 1 operations was not in an unanalyzed condition that would have significantly compromised plant safety.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

Immediate Corrective Actions Taken

An evaluation of the Unit 2 SSW piping required to support Unit 1 was performed to determine if an unanalyzed condition existed. The equipment required to support Unit 1 operation was released to the plant.

Apparent Cause

During the turnover of the SSW basin, this scope of piping was not included in the release package.

Supplemental Corrective Action

Programmatic controls for addressing the Unit 1/Unit 2 interface concerns have been evaluated and a program has been established to control Unit 2 equipment which affects Unit 1 operation. Procedures 01-S-07-1, 01-S-07-4 and 07-S-08-15 have been modified by issuance of Temporary Change Notices (TCNs) to address Unit 1/Unit 2 interface concerns. These TCNs will be incorporated into the procedures within 90 days. Bechtel has modified their Work Plan Procedure WP/P-27 to ensure that the release of Unit 2 systems or components are in compliance with the Bechtel 9645 Quality Assurance Program. Final resolution of the Unit 1/Unit 2 interface concern will be tracked by Corrective Action Requests (CAR) 2183 and 2192.

Since the Control Building contains a significant amount of Unit 2 equipment in proximity to Unit 1 equipment, a review of Unit 2 construction status in the Control Building since room turnover was conducted by Bechtel Construction, with no areas of concern identified. In addition, MP&L elected to perform a combined MP&L/Bechtel walkdown of two rooms in the Control Building which share Unit 1 and Unit 2 equipment. This walkdown identified no areas of concern, providing further assurance that no safety hazards had inadvertently been introduced to Unit 1 equipment as a result of Unit 2 construction activities.

Safety Assessment

The Unit 2 SSW piping required to support Unit 1 operations was not in an unanalyzed condition that would have significantly compromised the safety of the plant.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

November 1, 1985

NUCLEAR LICENSING & SAFETY DEPARTMENT

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

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
File: 0260/L-835.0
Unit 2 Ultimate Heat Sink
Components Required for
Unit 1 Operability
LER 85-033-1
AECM-85/0347

Attached is Licensee Event Report (LER) 85-033-1 which is a final report.

Yours truly,

L. F. Dale
Director

EBS/SHH:bms
Attachment

cc: Mr. O. D. Kingsley, Jr. (w/a)
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Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
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