

NRC Form 308  
(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 Station - Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 4 1 6 1 OF 0 2

PAGE (3)

TITLE (4)

Fire Barriers Omitted From Safe-Shutdown Related Cables

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)	
1	1	0	2	8	4	8	4	0	5	0	0
									NA	0 5 0 0 0	
										0 5 0 0 0	

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																	
POWER LEVEL (10)	01014	20.402(b)	20.406(a)(1)(i)	20.406(a)(1)(ii)	20.406(a)(1)(iii)	20.406(a)(1)(iv)	20.406(a)(1)(v)	20.406(c)	50.38(c)(1)	50.38(c)(2)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(ix)	73.71(b)	73.71(c)	X OTHER (Specify in Abstract below and in Text, NRC Form 365A) GGNS Operating License Sect. 2(F)

LICENSEE CONTACT FOR THIS LER (12)										TELEPHONE NUMBER	
NAME										AREA CODE	
Ronald W. Byrd/License Engineer										6101 41371-2149	

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

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
X YES (If yes, complete EXPECTED SUBMISSION DATE)	NO			0	1	3
				1	8	4

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

During a special review, certain Unit 1 safe shutdown related cable raceways were found with omitted fire rated barriers. Although these fire barriers were required by 10 CFR 50 Appendix R and the plant FSAR, they were not included in construction documents. Two areas containing these cable raceways were located on the Unit 2 side of the Control Building where the fire detection system had not been under surveillance. Due to the uncertainty of the location of these raceways, fire watches in Unit 2 had not been established in a timely manner.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

On October 15, 1984, during an ongoing Fire Protection System review relative to 10 CFR 50 Appendix R requirements, the design engineering group identified certain Unit 1 safety related cable raceways with omitted fire barriers. A Material Nonconformance Report (MNCR) was initiated by engineering and reviewed by the Operations Shift Superintendent for affects on operation. At 1600 hours on October 15, a Limiting Condition for Operation (LCO) report was written to track the hourly fire watch required by Technical Specification 3.7.7. Further information was later requested to determine reportability under 10 CFR 50.73. On November 2, 1984, it was determined that this condition was outside the design basis of the plant and it was reported accordingly.

The affected safe-shutdown related cables were those of redundant trains unprotected by fire barriers. This condition is not in accordance with Appendix R requirements. Systems affected were: the Standby Service Water System (SSW), the SSW remote shutdown flow recorder, a Residual Heat Removal (RHR) jockey pump, the Standby Diesel Generator fuel oil transfer pump, the Reactor Core Isolation Cooling System, SSW pump house ventilation, Safeguard Switchgear and Battery Room ventilation, ECCS pump room ventilation, and power feeders or control cables to ESF load centers.

After conferring with Engineering, on November 7, 1984, Operations discovered that two of the areas containing the subject cables were located on the Unit 2 side of the Control Building. The fire detection equipment in the Unit 2 areas had not been under surveillance since Technical Specifications did not address these. Also, no fire watches had been established in these areas. Operations, when reviewing the MNCR on October 15, had assumed the cables were located in Unit 1. Fire watches in the Unit 1 Auxiliary and Control Buildings were already in effect due to the nonconforming fire doors reported in Special Report 84-012/2, AECM-84/0478.

Continuous fire watches were established in the Unit 2 areas after discovery of the condition. An engineering investigation revealed four more areas in Unit 2 which contained Unit 1 safety related components. The fire detectors in the areas were successfully tested on November 12 and 13, 1984. The fire detectors are being administratively controlled as Technical Specification required instruments until a revised Technical Specification is issued. Design Change documents have been initiated to install the required fire barriers. Changes made in the MNCR program should expedite engineering evaluations. An effort is being made to provide the Shift Superintendent with more detailed information as to the extent and affect of the deficiencies identified in MNCR's.

The special review relative to Appendix R requirements is continuing. Should any additional reportable discrepancies occur, they will be included as an update to this report. The review is expected to be completed by January 31, 1985. A final report will be submitted at that time.



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

December 3, 1984

## 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  
Fire Barriers Omitted From  
Safe-Shutdown Related Cables  
LER 84-050-0  
AECM-84/0497

Attached is Licensee Event Report (LER) 84-050-0 which is an interim report.

Yours truly,

L. F. Dale  
Director

EBS/SHH:vog  
Attachment

cc: Mr. J. B. Richard (w/a)  
Mr. R. B. McGehee (w/a)  
Mr. N. S. Reynolds (w/a)  
Mr. G. B. Taylor (w/o)

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