

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				PAGE (3) 1 OF 0 2									
TITLE (4) Discovery of Unsealed Fire Barriers																							
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (9)													
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES NA				DOCKET NUMBER(S) 0 5 0 0 0										
0	3	1	4	8	4	8	4	0	1	4	0	0	0	4	1	3	8	4	0	5	0	0	0
OPERATING MODE (8) 4		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
POWER LEVEL (10) 0 1 0 1 0		20.402(b)				20.408(c)				80.73(a)(2)(iv)				73.71(b)									
		20.408(a)(1)(i)				80.36(a)(1)				80.73(a)(2)(v)				73.71(c)									
		20.408(a)(1)(ii)				80.36(a)(2)				80.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
		20.408(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)													
		20.408(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(viii)(B)													
		20.408(a)(1)(v)				80.73(a)(2)(iii)				80.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME Ron Byrd / Licensing Engineer										TELEPHONE NUMBER 6 0 1 4 3 7 - 2 1 4 9													
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									
YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO <input type="checkbox"/>																							

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

Field Engineering identified ten breached penetrations which function as fire barriers and/or secondary containment boundary seals. Fire watches were established in accordance with Technical Specification 3.7.7 upon discovery. The seals were restored by March 23, 1984.

The cause of this situation was personnel error. The error was contrary to approved procedures. An inspection of a number of penetrations in selected areas will be conducted to determine if other unidentified breached barriers exist.

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NRC Form 366A
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 7150-0104

EXPIRES: 5/31/95

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 1 4	— 0 0	0 2	OF 0 2

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

On March 14, 1984, Field Engineering identified seven penetrations which were not intact. On March 18, three additional breached penetrations were identified. The penetrations function as fire barriers and/or secondary containment boundary seals. Some of the barriers were intact on one side of the wall. Others were completely open through the wall.

One penetration, open under an approved work order was listed incorrectly on the closing document (i.e., AE-72E was listed as AE-72D). Two penetrations were opened to route conduit for a design change but were not identified by the work instructions. The cause for other discrepancies could not be determined. The time period in which the penetrations were opened or damaged could not be determined in most cases. However, a successful secondary containment drawdown by the Standby Gas Treatment System was performed on September 23, 1983, just prior to the startup on September 25. The reactor remained critical until November 8, 1983, and has been shutdown since.

The errors were contrary to approved procedures. The penetrations were apparently breached without the proper authorizations and without establishing fire watches as required by Technical Specification 3.7.7. The penetrations were restored by March 23, 1984. A successful secondary containment drawdown by the Standby Gas Treatment System was completed on March 27, 1984.

The "Implementation of Modifications and New Design Requirements" procedure has been revised to include guidance in performing walkdown inspections prior to design change package closeout. This guidance now includes verification that cable/raceway fire protection is installed or restored.

An inspection of a number of penetrations in selected areas will be conducted to determine if other breached penetrations exist. This is a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 13, 1984

NUCLEAR PRODUCTION 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-13
File: 0260/L-835.0
Discovery of Unsealed Fire Barriers
LER 84-014-0
AECM-84/0225

Attached is Licensee Event Report (LER) 84-014-0 which is a final report.

Yours truly,

L. F. Dale
Manager of Nuclear Services

EBS/SHH:rg
Attachment

cc: Mr. J. B. Richard (w/a)
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