

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 Station - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 4 1 6 1 OF 0 2				PAGE (3) 1 OF 0 2	
TITLE (4) Shutdown Cooling Isolation															
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 NA				DOCKET NUMBER(S) 0 5 0 0 0		
0 3	0 6	8 5	8 5	0 1 2	0 0	0 4	0 5	8 5					0 5 0 0 0		
OPERATING MODE (9) 4		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)													
POWER LEVEL (10) 0 0 0		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)			
		20.405(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)		73.71(c)			
		20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)					
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)					
LICENSEE CONTACT FOR THIS LER (12)															
NAME Ronald 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 NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS						
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)

A spurious trip signal from a leak detection RHR equipment room high differential temperature switch isolated the Shutdown Cooling System. The temperature was verified to be normal and Shutdown Cooling was restored in approximately five minutes.

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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 5 -	0	1	2	-	0	0
						0	2 OF 0 2

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

Description of Reportable Occurrence

At 1300 on March 6, 1985, a spurious trip signal from an RHR equipment room high differential temperature switch isolated Shutdown Cooling Valve E12-F009. The automatic isolation of this containment isolation valve by a leak detection signal is considered an ESF Actuation.

Initial Conditions

The plant was in Cold Shutdown at 128°F.

Status of Redundant or Backup Systems

Shutdown Cooling Loop B was out of service for a scheduled surveillance. Reactor Water Cleanup was serving as an alternate method of decay heat removal. Shutdown Cooling Loop A was in operation.

Nature of Occurrence

Shutdown Cooling Loops A and B share a common suction line including inboard and outboard containment isolation valves. Either valve may be actuated by a leak detection single channel trip signal. Isolation of either valve causes a loss of Shutdown Cooling. A spurious trip signal from the RHR equipment room high differential temperature switch isolated the Shutdown Cooling inboard isolation valve.

Immediate Corrective Actions Taken

An operator reset the trip and verified the area temperature to be normal. Shutdown Cooling Loop A was restored to operation at 1305.

Apparent Cause

An investigation failed to determine the cause of the spurious signal. The switch is a Riley Panalarm Division Model 86 VTFF-1641.

A similar event occurred on February 7, 1985 (LER 85-006) when a different instrument (also manufactured by Riley Panalarm Division) isolated the RCIC system on a RHR equipment room high differential temperature.

Supplement Corrective Action

An engineering evaluation will be performed to address the reliability of this type of Riley temperature instrumentation. Further corrective actions, as deemed appropriate, will be taken.

Safety Assessment

There were no safety consequences. The unit had been in Cold Shutdown since February 13, 1985. Residual heat was minimal.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

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

April 5, 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
Shutdown Cooling Isolation
LER 85-012-0
AECM-85/0108

Attached is Licensee Event Report (LER) 85-012-0 which is a final report.

Yours truly,

L. F. Dale
Director

EBS/SHH:vog
Attachment

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