

NRC Form 365
(9-83)U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Grand Gulf Nuclear Station - Unit 1	0 5 0 0 0 4 1 6	1 OF 12

TITLE (4)
Reactor Scram on Loss of Instrument Air

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											
0	7	10	2	8	4	8	4	0	3	3	0	0	0	7	3	1	8	4	NA	0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)									
POWER LEVEL (10)	0 0 0	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)						
		20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)						
		20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	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)(x)							

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
Ronald W. Byrd/Licensing Engineer	610 11	413 17 1-12 11 1419	

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
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO					

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

A reactor scram and a Secondary Containment isolation occurred during Cold Shutdown when the instrument air pressure dropped after transferring air service from the Unit 2 air compressor to the Unit 1 air compressor. The Unit 1 air compressor failed to maintain system pressure and the Unit 2 compressor could not be restarted in time to restore pressure. An investigation revealed the Unit 1 air dryer outlet valve to be closed. The reason or time the valve was closed could not be determined. Instructions will be revised to require the valve to be locked open on each Unit. This is the only manual valve between the air dryer trouble alarm (indicative of low pressure at the dryer outlet) and the Unit 1/Unit 2 cross connection.

8408080538 840731
PDR ADDCK 05C00416
S PDR

NRC Form 365A
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Grand Gulf Nuclear Station - Unit 1	05000416	84	033	000	2	OF	02

TEXT (If more space is required, use additional NRC Form 365A's) (17)

While in Cold Shutdown and transferring instrument air service from the Unit 2 compressor to the Unit 1 compressor, an inadvertent loss of system pressure occurred resulting in a reactor scram and a Secondary Containment isolation. The Unit 2 compressor was shut down as the transfer was made, yet the Unit 1 compressor failed to maintain the system pressure greater than 60 psig. An investigation for proper valve lineup and an attempt to restart the Unit 2 air compressor prior to the pressure drop to 60 psig was made but was unsuccessful. The scram occurred at 1125 hours when the scram pilot valves drifted open due to low pressure and caused a high scram discharge volume.

The valve lineup investigation revealed that the Unit 1 air dryer outlet valve, P53-F496, was closed. The system operating instructions required this valve to be open. The reason or time the valve was closed could not be determined. To prevent a recurrence, the system operating instructions will be revised to require the valve to be locked open on each Unit. This is the only manual valve between the air dryer trouble alarm (indicative of low pressure at the dryer outlet) and the Unit 1/Unit 2 cross connection.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR LICENSING & SAFETY DEPARTMENT

July 31, 1984

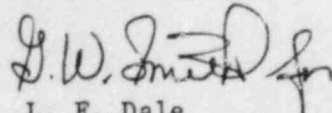
Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-13
File: 0260/L-835.0
Reactor Scram on Loss of
Instrument Air
LER 84-033-0
AECM-84/0403

Attached is Licensee Event Report (LER) 84-033-0 which is a final report.

Yours truly,


L. F. Dale
Director

EBS/SHH:rg
Attachment

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

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