

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) Grand Gulf Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 1 6	PAGE (3) 1 OF 0 2
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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	DOCKET NUMBER(S)	
0 7	10	2 8	4 8	0 3	3	0 10	0 7	3 1	8 4	0 5 0 0 0

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)																				
4	0 0 0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 20.406(a)(1)(v)	<input checked="" type="checkbox"/> 20.406(e)	<input type="checkbox"/> 20.406(c)(1)	<input type="checkbox"/> 20.406(c)(2)	<input type="checkbox"/> 20.73(a)(2)(i)	<input type="checkbox"/> 20.73(a)(2)(ii)	<input type="checkbox"/> 20.73(a)(2)(iii)	<input checked="" type="checkbox"/> 20.73(a)(2)(iv)	<input type="checkbox"/> 20.73(a)(2)(v)	<input type="checkbox"/> 20.73(a)(2)(vii)	<input type="checkbox"/> 20.73(a)(2)(viii)(A)	<input type="checkbox"/> 20.73(a)(2)(viii)(B)	<input type="checkbox"/> 20.73(a)(2)(x)	<input type="checkbox"/> 73.71(b)	<input type="checkbox"/> 73.71(e)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME Ronald W. Byrd/Licensing Engineer	AREA CODE 6 10 11	TELEPHONE NUMBER 4 13 17 1-12 11 14 19	

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

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 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.

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PDR ADOCK 05C00416
S PDR

NRC Form 366A
(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	00	02	OF 02

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

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR LICENSING & SAFETY DEPARTMENT

July 31, 1984

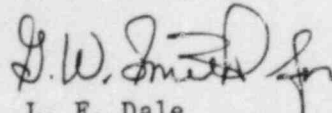
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U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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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