

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M S G G S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 LICENSE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 56

CON'T

0 1 7 8

REPORT SOURCE L 6 0 5 0 0 0 4 1 6 7 1 2 0 1 8 3 8 0 3 2 1 8 4 9

60 61 DOCKET NUMBER 62 63 EVENT DATE 64 65 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

01 On December 1, 1983, a loss of RPS Bus "B" and shutdown cooling occurred
02 when the alternate power supply breaker tripped. The loss of shutdown
03 cooling was caused by an isolation valve on the suction of the pump
04 closing. Part of the valve's isolation logic is powered from the RPS
05 bus. Power was transferred to the RPS motor generator set and shutdown
06 cooling was restored within one hour as required by T.S.3.4.9.2. This
07 is submitted pursuant to T.S.6.9.1.13.b as a final report.

9 9		SYSTEM CODE E B		11	CAUSE CODE X		12	CAUSE SUBCODE Z		13	COMPONENT CODE C K T B R K					14	COMP. SUBCODE A		15	VALVE SUBCODE Z		16			
17		LER NO. REPORT NUMBER		EVENT YEAR 8 3		21 22		23		24		26		27		28		29		30		31		32	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER									
X		Z		Z		Z		0 0 0 0		N		N		N		G 0 B 0									
33		34		35		36		37		41		42		43		44		45		46		47		48	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10] Voltage transients on the RPS bus have caused several RPS breaker trips

11] (See LER 83-137 & LER 84-002). To prevent trips on short transients, the

12] time delay settings for the breakers have been increased from 0.1 sec-

13] onds to 3.5 seconds. Additional enhancements being performed such as an

14] increased range for trip setpoints are discussed in LER 84-002.

7	8	9	FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
1	5	6	28	0	0	0	29	NA	30	A	31	Alarm	32																																							
7	8	9	ACTIVITY CONTENT										AMOUNT OF ACTIVITY										LOCATION OF RELEASE																													
1	6	7	33	NA	34	NA	35	NA	36																																											
7	8	9	RELEASED OF RELEASE																																																	

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	37	2	38	NA	39

PERSONNEL INJURIES									
NUMBER			DESCRIPTION						
1	2	3	4	5	6	7	8	9	10
0	0	0	40	NA					

LOSS OF OR DAMAGE TO FACILITY									
TYPE		DESCRIPTION							
1	9	2	42	NA					
7	8	9	10						

8403300117 840321
PDR ADOCK 05000416
S PDR

		PUBLICITY			NRC USE ONLY	
ISSUED	DESCRIPTION	(45)				
20	N	NA	(44)			

NAME OF PREPARER Ron Byrd

PHONE:

NRC USE ONLY

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●
●



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

84 MAR 26 AIO: J9
March 21, 1984

NUCLEAR PRODUCTION DEPARTMENT

U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-13
File: 0260/L-835.0
Update Report - Loss of RPS Bus "B"
and Shutdown Cooling
LER 83-188/03 X-1
AECM-84/0171

This letter submits an update to a previous report submitted on December 30, 1983. The event for which the report was submitted occurred on December 1, 1983, when a loss of RPS Bus "B" and shutdown cooling occurred when the alternate power supply breaker tripped. Power was transferred to the RPS motor generator set and shutdown cooling was restored within one hour as required by Technical Specification 3.4.9.2. This was reported pursuant to Technical Specification 6.9.1.13.b.

Our investigation into the cause of the event is complete. Corrective action to prevent RPS breaker trips on short voltage transients has been implemented. Additional enhancements being performed are discussed in LER 84-002. Attached is LER 83-188/03 X-1 which is a final report.

Yours truly,

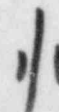
L. F. Dale
Manager of Nuclear Services

EBS/SHH:rg
Attachment

cc: See next page

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MISSISSIPPI POWER & LIGHT COMPANY

cc: Mr. J. B. Richard (w/a)
Mr. R. B. McGehee (w/o)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

Mr. Richard C. DeYoung, Director (w/a)
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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