

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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7	8	9	LICENSEE CODE					14	15	LICENSEE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58		59

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REPORT SOURCE

60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (70)

02 On July 1, 1983, the Control Room operators were unable to maintain
03 the air receiver pressure for Diesel Generator 11 greater than 160
04 psig as required by T.S.4.8.1.1.2.a.7. Diesel Generator 12 was already
05 inoperable due to a maintenance tag out of the SSW "B" Subsystem. Due to
06 the inoperable status of the two diesel generators, Action (a) of
07 T.S.3.8.1.2 was entered. This is being submitted pursuant to
08 T.S.6.9.1.13.b as a final report.

2 9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE			
8		E E 11		E 12		B 13		V A L V E X 14				X 15		B 16			
17		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.							
LER RO REPORT NUMBER		8 3		0 7 8		0 3		X		2							
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NFRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
E 18		Z 19		Z 20		Z 21		0 0 0 22		Y 23		N 24		A 25		C 7 1 0 26	
33		34		35		36		37 38 39 40		41		42		43		44 45 46 47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10] The cause was setpoint drift and damaged seals of the relief valves.
11] Relocation of the air pressure sensing point in Sept. 1983 reduced com-
12] pressor cycling thereby reducing the valve's setpoint drift and damage
13] to seats caused by its frequent operation. The event has not recurred
14] since.

FACILITY STATUS (1) 5 (6) 28 % POWER (0) 0 (0) 29 NA OTHER STATUS (30)
 METHOD OF DISCOVERY (A) (31) System Operation DISCOVERY DESCRIPTION (32)
 ACTIVITY CONTENT RELEASED OF RELEASE (1) 6 (2) 33 (3) 34 NA AMOUNT OF ACTIVITY (35)
 LOCATION OF RELEASE (36)
 PERSONNEL EXPOSURES NUMBER (1) 7 (0) 0 (0) 37 (2) 38 NA DESCRIPTION (39)
 PERSONNEL INJURIES NUMBER (1) 4 (0) 0 (0) 40 NA DESCRIPTION (41)
 LOSS OF OR DAMAGE TO FACILITY TYPE (1) 9 (2) 42 NA DESCRIPTION (43)
 PUBLICITY ISSUED (2) 0 (3) 44 NA DESCRIPTION (45)
 8404090344 840330
 PDR ADOCK 05000416
 S PDR
 IE22
 NRC USE ONLY

NAME OF PREPARER R. W. Byrd

PHONE

Supplementary Information to
LER 83-078/03 X-2

Mississippi Power & Light Company
Grand Gulf Nuclear Station - Unit 1
Docket No. 50-416

Technical Specification Involved: 3.8.1.2
Reported Under Technical Specification: 6.9.1.13.b

Event Narrative

On July 1, 1983, operators were unable to maintain pressure in an air receiver for Diesel Generator 11 greater than 160 psig. A relief valve was passing air which prevented the compressors from restoring pressure to the tank.

The pressure sensing point for the compressor start/stop logic at that time was on a line between the two air receivers and did not always reflect true tank pressure. A false low pressure signal caused the compressor to operate continuously or cycle frequently. The type relief valve used allows a set-point drift when the valve lifts repeatedly.

In September 1983, Design Change 83/0261 relocated the sensing point to the air receiving tanks to provide a true reading. Compressor cycling was reduced significantly and the event has not recurred. This action is considered adequate to correct the root cause of the event. Material Non-Conformance Report (MNCR) 00503-83 was initiated to determine if additional corrective actions are required. None are planned at this time. This is submitted as a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

March 30, 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 - Air Receiver
Pressure for Diesel Generator 11
not Maintained as Required by
Technical Specifications
LER 83-078/03 X-2
AECM-84/0197

This letter submits an update to a previous report submitted on October 5, 1983. The event for which the report was submitted occurred on July 1, 1983, when the Control Room operators were unable to maintain the air receiver pressure for Diesel Generator 11 greater than 160 psig as required by Technical Specification 4.8.1.1.2.a.7. Diesel Generator 12 was inoperable at that time due to a maintenance tag out of the SSW "B" Subsystem. Due to the inoperable status of the two diesel generators, Action (a) of Technical Specification 3.8.1.2 was entered. The event was reported pursuant to Technical Specification 6.9.1.13.b.

The purpose of this update is to revise the corrective action described in the previous update. This is a final report. Attached is LER 83-078/03 X-2 with Supplementary Information.

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

AECM-84/0197

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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)

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