

LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 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 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CONT
01 REPORT SOURCE L 6 0 5 0 0 0 4 1 6 7 0 8 2 9 8 3 8 0 9 2 8 8 3 9
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (15)
02 On August 29 and August 31, 1983, the Division 2 Diesel Generator was
03 declared inoperable when the "C" air receiver pressure dropped below the
04 160 psig limit of T.S.4.8.1.1.2.a.7(a). The redundant "D" receiver main-
05 tained pressure at 250 psig. An LCO was entered pursuant to T.S.3.8.1.2
06 as the Division 1 Diesel Generator was also inoperable. The event had no
07 affect on the health and safety of the public and did not constitute a
08 threat to plant safety. This is reported pursuant to T.S.6.9.1.13.b.

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
E E B V A L V E X Z X
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
8 3 1 3 3 0 3 L Q
17 LER/RO REPORT NUMBER 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NRC-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
C X Z Z 0 0 0 0 Y N A C 7 1 0
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10 Division 2 Diesel Generator was restored to service on 9/10/83. The
11 cause is attributed to a drifting setpoint on the electric motor driven
12 compressor discharge relief valve and a sticking check valve on the
13 inlet to the air receiver tank. The relief valve was replaced. Further
14 corrective action will be discussed in an update to LER 83-078.

15 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
B 0 0 0 0 NA A Alarmed Condition
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
N N NA NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
0 0 0 0 Z NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PERSONNEL INJURIES NUMBER DESCRIPTION
0 0 0 0 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
Z NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
PUBICITY ISSUED DESCRIPTION
N NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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PDR ADOCK 05000416
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SUPPLEMENTARY INFORMATION TO
LER 83-133/03 L-0

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 August 29, 1983, at 0200 hours the pressure in air receiver "C" for Diesel Generator 12 fell below the 160 psig limit of Technical Specification 4.8.1.1.2.a.7(a). The redundant "D" receiver remained at approximately 250 psig. The Division 2 Diesel Generator was declared inoperable and a Limiting Condition for Operation (LCO) was entered pursuant to Technical Specification 3.8.1.2 as the Division 1 Diesel Generator was also inoperative. The pressure was restored with the diesel driven air compressor and the LCO was lifted at 0400 hours.

On August 31 at 1100 hours the pressure in the "C" receiver fell below 160 psig again. The Division 2 Diesel Generator was declared inoperable to investigate the starting air system problems.

Since the "D" air receiver was maintaining pressure it was believed that the inlet check valve to the "C" receiver was sticking and not allowing a pressure charge. However, maintenance inspected the flapper and found it free. The relief valve on the discharge of the electric driven compressor was found lifting at approximately 200 psig rather than the desired 250 psig. The relief valve was replaced.

The low pressure lift point on the relief valve would have caused continuous operation of the electric driven air compressor. It is believed that the high air temperatures, due to continuous running of the compressor, caused the inlet check valve to stick to its seating surfaces. When the pressure in the tank dropped to approximately 145 psig, the differential pressure was enough to free the valve. After the valve freed, it was charged with the diesel driven compressor.

The problem with these type relief valves was previously noted in LER 83-078/03 L-0. The blowdown ring on the valve is not fixed, therefore, allowing movement of the setpoint. Corrective actions to preclude recurrence will be addressed in the update to LER 83-078. This is submitted as a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

83 SEP 2 9:22
September 28, 1983

83 OCT 3 9:29

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
LCO Entered Due to Inoperable
Division 1 and 2 Diesel
Generators
LER 83-133/03 L-0
AECM-83/0620

On August 29 and 31, 1983, the Division 2 Diesel Generator was declared inoperable when the "C" air receiver pressure dropped below the 160 psig limit of Technical Specification 4.8.1.1.2.a.7(a). The redundant "D" receiver maintained pressure at 250 psig. A Limiting Condition for Operation was entered pursuant to Technical Specification 3.8.1.2 as the Division 1 Diesel Generator was inoperable at the time. This is reported pursuant to Technical Specification 6.9.1.13.b. This is submitted as a final report. Attached is LER 83-133/03 L-0 with Supplementary Information.

Yours truly,

L. F. Dale
for L. F. Dale
Manager of Nuclear Services

EBS/SHH:sap
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)

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