

Attachment to AECM-83/0756
Page 1 of 2

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
7	8

REPORT SOURCE

80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99										
	5	0	5	0	0	0	4	1	6	7	1	0	2	6	8	3	8	1	1	2	5	8	3	9					
DOCKET NUMBER										EVENT DATE										REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On 10/26/83, the RCIC system was declared inoperable and an LCO was
03 entered pursuant to T.S.3.7.3 when attempts to secure the RCIC turbine
04 via the trip pushbutton failed. The turbine trip throttle valve latch
05 disengaged but the valve failed to fully close. Also on 11/1/83, after
06 correction of this problem the RCIC turbine began to trip on overspeed
07 during start attempts. The LCO was lifted on 11/9/83, when the plant
08 entered the shutdown mode with reactor pressure less than 135 psig.

0 9
7 8

SYSTEM CODE
C E (11)
9 10

CAUSE CODE
X (12)
11

CAUSE SUBCODE
Z (13)
12

COMPONENT CODE
V A L V E X (14)
13 16

COMP. SUBCODE
E (15)
19

VALVE SUBCODE
G (16)
20

LER NO. REPORT NUMBER
(17) [EVENT YEAR
B 3
21 22

SEQUENTIAL REPORT NO.
[]
23

1 7 0
24 26

OCCURRENCE CODE
/ (27)
27

REPORT TYPE
0 3
28 29

L (30)

REVISION NO.
[]
31

0 (32)

ACTION TAKEN
F (18)
33

FUTURE ACTION
X (19)
34

EFFECT ON PLANT
Z (20)
35

SHUTDOWN METHOD
Z (21)
36

HOURS
0 0 0 0 (22)
37 40

ATTACHMENT SUBMITTED
Y (23)
41

NPRI-4 FORM SUB.
N (24)
42

PRIME COMP. SUPPLIER
A (25)
43

COMPONENT MANUFACTURER
I 0 7 5 (26)
44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of the trip valve sticking was due to oxidation of close
1 1 tolerance parts. This is attributed to infrequent oper. of the valve.
1 2 The repetitive overspeed trips were due to the governor valve opening
1 3 too far. A mechanical stop to limit the valve position was installed as
1 4 an interim measure. An update is expected to be submitted by 2/15/84.

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

FACILITY STATUS (28) 1 5 B

% POWER 0 0 3 (29) NA OTHER STATUS (30)

METHOD OF DISCOVERY C (31) Startup Testing DISCOVERY DESCRIPTION (32)

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 2 33 4 34 NA

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

PERSONNEL EXPOSURES

NUMBER			TYPE	DESCRIPTION
1	7	000	37 Z	NA

PERSONNEL INJURIES
NUMBER DESCRIPTION (41)
1 0 0 0 40 NA
8312080131 831125

1 9 2 47 NA

7 8 9 10
PUBLICITY
ISSUED DESCRIPTION (45)
[2][0] [N][44] NA
NRC USE ONLY

NAME OF PREPARER Ron Byrd

PHONE

SUPPLEMENTARY INFORMATION TO
LER 83-170/03 L-0

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

Technical Specification Involved: 3.7.3
Reported Under Technical Specification: 6.9.1.13.b

Event Narrative:

At 2130 hours on October 26, 1983, attempts to secure the RCIC turbine failed. An operator depressed the trip pushbutton but the trip throttle valve failed to fully close. Test personnel investigating the valve position caused the valve to close when they bumped the side of the valve. It was determined that the latch had disengaged but the valve stuck before fully closing.

The RCIC system was declared inoperable and an LCO was entered pursuant to Technical Specification 3.7.3. The HPCS system was operable. The valve was disassembled, cleaned, and reinstalled on November 1. The valve internals were oxidized causing the tight tolerances. This oxidation is attributed to infrequent operation.

Following cleaning of the valve the turbine began to trip on overspeed during start attempts. It was determined that the governor valve was opening too far allowing the turbine speed to increase to the trip setpoint. As an interim measure, a mechanical stop was installed to limit the valve position (approximately 40% of full open). Long-term solutions are under evaluation.

On November 9, 1983, at 0400 hours, the plant entered cold shutdown with reactor pressure less than 135 psig. RCIC was therefore no longer required to be operable. The shutdown was planned rather than due to the requirement of the action statement. RCIC had been inoperable for 13 days 6.5 hours.

An update is expected to be submitted by February 15, 1984. This is submitted as an interim report pursuant to Technical Specification 6.9.1.13.b.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

83 NOV 31 November 25, 1983

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
RCIC System Declared
Inoperable
LER 83-170/03 L-0
AECM-83/0756

On October 26, 1983, the Reactor Core Isolation Cooling (RCIC) system was declared inoperable and a Limiting Condition for Operation was entered pursuant to Technical Specification 3.7.3 when attempts to secure the RCIC turbine via the trip pushbutton failed. The turbine trip latch disengaged but the valve failed to fully close. On November 1, 1983, after correction of this problem the RCIC turbine began to trip on overspeed during start attempts. This is reported pursuant to Technical Specification 6.9.1.13.b. Attached is interim LER 83-170/03 L-0 with Supplementary Information.

Yours truly,

L. F. Dale

L. F. Dale
Manager of Nuclear Services

EBS/SHH:sap
Attachment

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

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