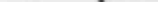


LICENSEE EVENT REPORT

Attachment to AECM-83/0602

Page 1 of 2

CONTROL BLOCK: 

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

0 1 M S G G S 1 2 0 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T

0 1 7 8

REPORT SOURCE

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

60 61 DECRYPT NUMBER 68 69

EVENT DATE 74 75

REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On September 6, 1983, a design deficiency was identified in the Drywell

03 Air Cooler Condensate Monitoring Leak Detection System. Inadequate

04 condensate flow paths from the Drywell Cooler drip pans to the leak

05 detection monitor prevents the system from performing its intended func-

06 tion of detecting reactor coolant leakage. The system is not required by

07 T.S.3.4.3.1 to be operable in Cold Shutdown. This is reported pursuant

08 to T.S.6.9.1.12.b.

09		SYSTEM CODE C U 11		CAUSE CODE B 12		CAUSE SUBCODE A 13		COMPONENT CODE Z Z Z Z Z Z 14				COMP. SUBCODE Z 15		VALVE SUBCODE Z 16			
17		LER/NO REPORT NUMBER B 3 21 22		SEQUENCE REPORT NO. 1 2 3 24 25 26		OCCURRENCE CODE 0 1 28 29		REPORT TYPE T 30		REVISION NO. 0 32							
ACTION TAKEN F 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22		ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER Z 9 9 9 26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause is due to inadequate system design. The preoperational test

1 1 verified the ability of the electronics to monitor flow but did not

1 2 include the metering of water at each cooling unit to verify adequate

1 3 flow paths. Necessary modifications and testing are complete. This is

1 4 submitted as a final report.

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 1 5 8 26

% POWER 0 0 0 29

OTHER STATUS NA

METHOD OF DISCOVERY A 31

DISCOVERY DESCRIPTION Incidental Observation 32

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

1 6 2 33 2 34 NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	37	Z	38	NA	

PERSONNEL INJURIES		DESCRIPTION (41)	
NUMBER			
1	8	0	0
0	0	0	40
		NA	

7 8 9 11 12

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE DESCRIPTION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

IE 22

7 8 9 10 80
PUBLCITY 8310030296 830920
45 8310030296 830920
8310030296 830920
NRC USE ONLY

ISSUED DESCRIPTION PDR ADDCK 0000 PDR
20 N 44 NA S
7 8 9 10 68 69
E22500

NAME OF PREPARER

Ron Byrd

PHONE

NRC USE ONLY

028-1 16 045

Supplementary Information to
LER 83-123/01 T-O

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

Technical Specification Involved: 3.4.3.1
Reported Under Technical Specification: 6.9.1.12.b

Event Narrative

The deficiency was discovered when personnel noted condensate overflowing from the Drywell Cooler drip pans. Condensate flows from the drip pans to a drywell leak detection monitoring system to identify leakage in the Drywell. An investigation revealed that the flow paths from the drip pans to the flow monitor were inadequate.

The preoperational test 1M51PT01 verified the ability of the electronics to monitor flow but did not include the metering of water at each cooling unit to verify adequate flow paths.

Design Change Package 83/4079 was issued to correct the deficiency. The modifications are complete. This is submitted as a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR PRODUCTION DEPARTMENT

September 20, 1983

USNRC REGION II
ATLANTA, GEORGIA
SEP 23 49:56

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
Design Deficiency in the Drywell
Air Cooler Condensate Monitoring
Leak Detection System
LER 83-123/01 T-0
AECM-83/0602

On September 6, 1983, a design deficiency was identified in the Drywell Air Cooler Condensate Monitoring Leak Detection System. Inadequate condensate flow paths from the Drywell Cooler drip pans to the leak detection monitor prevents the system from performing its intended function of detecting reactor coolant leakage. The system is not required to be operable in the present mode of Cold Shutdown per Technical Specification 3.4.3.1. This is reported pursuant to Technical Specification 6.9.1.12.b. Attached is LER 83-123/01 T-0 with Supplementary Information.

Yours truly,

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

EBS/SHH:rg
Attachment

cc: See next page

OFFICIAL COPY

It 22
11

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
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Washington, D. C. 20555

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