

LICENSEE EVENT REPORT

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

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CON'T 01 REPORT SOURCE L 8 0 5 0 0 0 4 1 6 7 0 9 0 6 8 3 8 0 9 2 0 8 3 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (76) 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 I 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 LER/NO REPORT NUMBER 17 EVENT YEAR 8 3 21 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NFRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER Z 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) 10 The cause is due to inadequate system design. The preoperational test 11 verified the ability of the electronics to monitor flow but did not 12 include the metering of water at each cooling unit to verify adequate 13 flow paths. Necessary modifications and testing are complete. This is 14 submitted as a final report.

15 FACILITY STATUS 8 28 % POWER 0 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Incidental Observation 32

16 ACTIVITY CONTENT RELEASED OF RELEASE 2 33 AMOUNT OF ACTIVITY NA 34 LOCATION OF RELEASE NA 36

17 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39

18 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43

20 PUBLICITY ISSUED N 44 DESCRIPTION NA 45 NAME OF PREPARER Ron Byrd PHONE NRC USE ONLY

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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

USHRO REGION II
ATLANTA, GEORGIA
SEP 23 9:56

NUCLEAR PRODUCTION DEPARTMENT

September 20, 1983

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

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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)
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