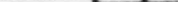


LICENSEE EVENT REPORT

Attachment to AECM-83/0441

Page 1 of 2

CONTROL BLOCK: 

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | M S G G S 1 2 | 0 0 - | 0 0 | 0 0 | 0 - | 0 0 | 3 | 4 | 1 1 | 1 1 | 4 | 5
R 9 | LICENSEE CODE 14 15 | LICENSE NUMBER 25 26 | LICENSE TYPE 30 57 CAT 58

CON'T

REPORT SOURCE L 6 0 5 0 0 0 4 1 6 7 0 7 2 1 8 3 8 0 8 0 2 8 3 9
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES: (10)

02 On July 21, 1983, an inadvertent actuation of the Division II LOCA Logic
03 occurred. The event required entrance into Action (2) of T.S.3.4.9.2
04 since an operating loop of shutdown cooling was not restored within 1
05 hour (SDC was restored in 1 hr. and 12 min.). An LCO was not entered as
06 required, therefore, the event is being reported pursuant to T.S.6.9.1.
07 12.b. The event had no affect on the health and safety of the public and
08 did not constitute a threat to plant safety.

7 8 9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE	
0 9		S F 11		A 12		C 13		Z Z Z Z Z Z 14				Z 15		Z 16	
7 8		9 10		11		12		13 16				19		20	
17 LER/RQ REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.					
8 3		8 3 21		0 8 6 24		0 1 28		T 30		0 32					
21		22		23		26		27		28		30		31	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER	
X 18		Z 19		Z 20		Z 21		0 0 0 22		Y 23		N 24		Z 25	
33		34		35		36		37 40		41		42		43	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS								27							
44		45		46		47		48		49		50		51	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause was personnel error. Maintenance personnel accidentally jumped
11 bus bars on the back of trip units B21-N691B and F thus causing the
12 LOCA signal. This is submitted as a final report pursuant to
13 T.S.6.9.1.12.b. This is a final report.

1 4 7 8 9
FACILITY STATUS 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
% POWER 0 0 0 29 NA
OTHER STATUS 30
METHOD OF DISCOVERY A 31 System Oper./Oper Observation 32
ACTIVITY CONTENT 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
RELEASED OF RELEASE 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
AMOUNT OF ACTIVITY 35
LOCATION OF RELEASE 36
PERSONNEL EXPOSURES 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
NUMBER 0 0 0 37 38 NA
TYPE 39
DESCRIPTION 39
PERSONNEL INJURIES 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
NUMBER 0 0 0 40 NA
TYPE 41
DESCRIPTION 41
LOSS OF OR DAMAGE TO FACILITY 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
TYPE 42 NA
DESCRIPTION 42
PUBLICATION 1 5 6 28 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 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
ISSUED 2 0 1 44 NA
DESCRIPTION 45
NRC USE ONLY
8308110022 830802
PDR ADOCK 05000416
S PDR

NAME OF PREPARER M. V. Rohrer

PHONE

NRC USE ONLY

1000

SUPPLEMENTARY INFORMATION TO
LER 83-086/01 T-0

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

Technical Specification Involved: 3.4.9.2
Reported Under Technical Specification: 6.9.1.12.b

Event Narrative:

On July 21, 1983, at approximately 1700 hours, an inadvertent LOCA signal was received on the Division II LOCA Logic. The actuation resulted from troubleshooting efforts underway to determine the cause of problems encountered during previous actuations. While troubleshooting, technicians inadvertently shorted across bus bars (with a screwdriver) on the back of the Rosemount trip units in panel 1H13-P618. This effectively jumpered points 6 and 5 on power supply JY-K704, which is the output voltage to the LOCA trip units and other various instrument nests. Following this, trip units B21-N691B and F went downscale along with the rest of the trip units in the instrument nest powered from JY-K704. Trip units B21-N691B and F are reactor level wide-range trip units and as the voltage decayed off, the trip units (B21-N691B, F) reached their trip setpoint, yet there was still enough residual voltage to power relays E12-K7 and K8 which energized when B21-N691B and F dipped below their setpoint. Following this, fuse F37 (power fuse to instrument nest) blew, however, the LOCA signal was sealed in at this time. All other instrument nests (trip units) powered from JY-K704 went into "GROSS FAIL" instead of their respective power fuses blowing. This event required entering the action statement for Technical Specification 3.4.9.2 as no shutdown cooling (SDC) loops were in operation for a period of approximately 1 hour.

The fuse was replaced, all systems were restored to "STANDBY", and the RHR "B" Loop was placed into shutdown cooling operation with RWCU demonstrated as the alternate method of decay heat removal. All expected results did occur. An LCO was not entered as required, therefore, the event is reported pursuant to Technical Specification 6.9.1.12.b (SDC was restored in 1 hour and 12 minutes). This is submitted as a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

August 2, 1983

USNRC REGION II
ATLANTA, GEORGIA
03 AUG 8 49:17

NUCLEAR PRODUCTION DEPARTMENT

Office of Inspection & Enforcement
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
Inadvertent Actuation of
Division II LOCA Logic
LER 83-086/01 T-0
AECM-83/0441

On July 21, 1983, an inadvertent actuation of the Division II LOCA Logic occurred. The event required entrance into Action (2) of Technical Specification 3.4.9.2 since an operating loop of shutdown cooling was not restored within one (1) hour (Shutdown Cooling was restored in 1 hour and 12 minutes). A Limiting Condition for Operation was not entered as required, therefore, this event is reported pursuant to Technical Specification 6.9.1.12.b. Attached is LER 83-086/01 T-0 with Supplementary Information.

Yours truly,

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)
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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