

## LICENSEE EVENT REPORT

Attachment to AECM-84/0004

Page 1 of 1

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  
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  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE 57 CAT 58

CONT

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

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On August 17, 1983, during a surveillance, the M4-R4 contacts in Agastat  
0 3 Relay 95X for MOV 1E22-F010 were found failed in the open state. The  
0 4 contacts must close to remove the overload protection from the valve  
0 5 circuit as required by T.S.3.8.4.2. The affected system was inoperable  
0 6 for other reasons. This is reported pursuant to T.S.6.9.1.13.b and was  
0 7 reported in PRD 83/12 under 10 CFR 21. This is a final report.

0 8  
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

0 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  
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE  
I B X Z R E L A Y X C Z  
17 LER RO REPORT NUMBER 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  
EVENT YEAR SEQUENTIAL REPORT OCCURRENCE CODE REPORT TYPE REVISION NO.  
8 3 1 2 1 0 3 X 2  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED FORM 4 SUB PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
C C Z Z 0 0 0 0 N N A A 1 0 9  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The relay failure was due to mech. interface of a nylon movable contact  
1 1 arm & the barrier strip on the melamine phenol relay base. The failures  
1 2 are applicable to Agastat GP series relays manufactured prior to 8/77.  
1 3 Replacement of safety-related, normally energized pre 8/77 Agastat  
1 4 GP series relays is expected to be completed prior to the next Startup.

1 5 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION  
8 0 0 0 NA B Surveillance Testing  
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  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE  
2 Z Z 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  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION  
0 0 0 37 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  
PERSONNEL INJURIES NUMBER DESCRIPTION  
0 0 0 40 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  
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  
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  
2 0  
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

8401240455 840112  
PDR ADOCK 05000416  
S PDR

NRC USE ONLY

NAME OF PREPARER Ron Byrd

PHONE:



# MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

January 12, 1984  
84 JAN 16 15:34

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  
Update Report - M4-R4 Contacts  
in Agastat Relay 95X for  
MOV 1E22-F010 Found Failed  
in Open State  
LER 83-121/03 X-2  
AECM-84/0004

This letter submits an update to previous reports submitted on September 16 and November 10, 1983. The event for which the reports were submitted occurred on August 17, 1983 during a surveillance when the M4-R4 contacts in Agastat Relay 95X for MOV 1E22-F010 were found failed in the open state. The contacts must close to remove the overload protection from the valve circuit as required by Technical Specification 3.8.4.2. The event was reported pursuant to Technical Specification 6.9.1.13.b.

Our investigation into the cause of the relay failure is complete. Replacement of safety-related, normally energized, pre-August 1977 Agastat GP series relays is expected to be completed prior to the next Startup. Attached is LER 83-121/03 X-2 which is a final report. AECM-84/0024, dated January 6, 1984, provides additional information on the Agastat GP series relays and the replacement program.

Yours truly,

*L. F. Dale*

L. F. Dale  
Manager of Nuclear Services

EBS/SHH:sad  
Attachment

cc: (See Next Page)

MISSISSIPPI POWER & LIGHT COMPANY

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Mr. R. B. McGehee (w/o)  
Mr. T. B. Conner (w/o)  
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