

LICENSEE EVENT REPORT

Attachment to AECM-83/0787

Page 1 of 2

CONTROL BLOCK:

PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 M S E S E 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 LICENSE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

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01 REPORT SOURCE 1 9 0 5 0 0 0 4 1 4 7 0 6 2 5 8 3 8 1 2 1 2 8 3 9
7 8 DOCKET NUMBER 60 61 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On 6-25-83, an aux. trip unit for high drywell pressure indicated a trip
03 condition yet no RPS response occurred when a half-scam should have
04 been present. The event occurred during performance of an 18 month surv.
05 test which was being run for future entrance into a different operat-
06 ional condition and was not needed for the plant mode. The event had no
07 effect on the health and safety of the public and did not constitute a
08 threat to plant safety. This is reported pursuant to T.S.6.9.1.13.a.
7 8 9

09 SYSTEM CODE 11 CAUSE CODE 12 CAUSE SUBCODE 13 COMPONENT CODE 14 COMP. SUBCODE 15 VALVE SUBCODE 16
7 8 9 I A E E I N S T R U X Z
17 LER/RO REPORT NUMBER 21 22 EVENT YEAR 23 24 SEQUENTIAL REPORT NO. 25 26 OCCURRENCE CODE 27 28 REPORT TYPE 29 30 REVISION NO. 31 32
18 19 ACTION TAKEN 20 EFFECT ON PLANT 21 SHUTDOWN METHOD 22 HOURS 23 ATTACHMENT SUBMITTED 24 NPED-4 FORM SUB. 25 PRIME COMP. SUPPLIER 26 COMPONENT MANUFACTURER
C Z Z Z 0 0 0 0 Y N N R 3 6 9
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause was a defective Rosemount auxiliary trip unit. The trip unit
11 was replaced and the same surveillance was satisfactorily performed. The
12 failed unit has been reworked. This is a final report.
13
14

15 FACILITY STATUS 28 29 % POWER 30 OTHER STATUS 31 METHOD OF DISCOVERY 32 DISCOVERY DESCRIPTION
6 0 0 0 NA A 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
16 ACTIVITY CONTENT 33 34 AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
17 PERSONNEL EXPOSURES 37 38 DESCRIPTION 39
0 0 0 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
18 PERSONNEL INJURIES 40 41 DESCRIPTION 42
0 0 0 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
19 LOSS OF OR DAMAGE TO FACILITY 43 44 DESCRIPTION 45
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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
20 PUBLICITY 46 47 DESCRIPTION 48
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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
21 ISSUED 49 50 DESCRIPTION 51
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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

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NRC USE ONLY

NAME OF PREPARER L. F. Daughtery

PHONE

SUPPLEMENTARY INFORMATION TO
LER 83-079/03 X-2

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

Reported Under Technical Specification: 6.9.1.13.a

Event Narrative:

This is an update to a previous report submitted on September 15, 1983. The event for which the report was submitted is described in the following paragraph.

On June 25, 1983, an auxiliary trip unit for high drywell pressure (1C71-PIS-N650D) indicated a trip condition yet the RPS system did not respond. A reactor half-scam should have been present. The problem was discovered during surveillance testing, when the expected result did not occur. The trip unit was further investigated in the shop and it was found that when a trip condition was inserted the output of the trip unit did not change. This particular trip function was not required for the plant mode at the time of the event and was only being tested for a future mode change to "STARTUP". The faulty trip unit was replaced and the surveillance test was satisfactorily run.

Further investigation revealed that the following internal components of the trip unit had failed; two operational amplifiers, one potentiometer, one timer and one diode. The exact cause of these component failures could not be determined.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

December 12, 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
Update Report - RPS Trip Fails
to Occur on High Drywell
Pressure Indication During
Performance of a
Surveillance Test
LER 83-079/03 X-2
AECM-83/0787

This letter submits an update to a previous report submitted on September 15, 1983. The event for which the report was submitted occurred on June 25, 1983, when an auxiliary trip unit for high drywell pressure indicated a trip condition yet there was no RPS response when a half-scam should have been present. The event occurred during performance of an 18 month surveillance test which was being run for future entrance into a different Operational Condition. The surveillance was not required for the plant mode at the time of the event. The event was reported pursuant to Technical Specification 6.9.1.15.a.

The failed trip unit has been reworked. Investigation into the cause is complete. This is a final report. Attached is LER 83-079/03 X-2 with Supplementary Information.

Yours truly,

L. F. Dale

L. F. Dale
for Manager of Nuclear Services

EBS/SHH:sap
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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