

CONTROL BLOCK: ①

PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION

0 1 M S G S S 1 2 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 20 21 LICENSE TYPE 26 27 CAT 28

CONT

0 1 REPORT SOURCE L 6 0 5 0 0 0 4 1 6 7 1 2 0 1 8 3 9 1 2 3 0 8 3 9
 7 8 9 DOCKET NUMBER 20 21 EVENT DATE 26 27 REPORT DATE 32 33

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ①

0 2 On December 1, 1983, a loss of RPS Bus "B" and shutdown cooling occurred
 0 3 when the alternate power supply breaker tripped. The loss of shutdown
 0 4 cooling was caused by an isolation valve on the suction of the pump
 0 5 closing. Part of the valve's isolation logic is powered from the RPS
 0 6 bus. Power was transferred to the RPS motor generator set and shutdown
 0 7 cooling was restored within one hour as required by T.S.3.4.9.2. This
 0 8 is an interim report submitted pursuant to T.S.6.9.1.13.b.
 7 8 9

0 9 SYSTEM CODE E B 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE C K T B R K 14 CCBP SUBCODE A 15 VALVE SUBCODE Z 16
 7 8 9 10 11 12 13 14 15 16 17
 17 LER NO. REPORT NUMBER 8 3 27 18 8 24 19 3 26 20 L 31 21 0 32
 18 ACTION TAKEN X 18 33 FUTURE ACTION X 19 34 EFFECT ON PLANT Z 20 35 SHUTDOWN METHOD Z 21 36 HOURS 0 0 0 37 22 ATTACHMENT SUBMITTED N 23 38 NFRD-4 FORM SUB N 24 42 PRIME COMP. SUPPLIER N 25 43 COMPONENT MANUFACTURER G O B 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ②

1 0 The cause of the breaker trip has not been determined. Investigation is
 1 1 continuing. A previous similar occurrence was LER 83-137. At that time
 1 2 the distribution transformer on the alternate power source was replaced
 1 3 with a voltage regulator to decrease susceptibility to transients. An
 1 4 update report is expected to be submitted by January 30, 1984.
 7 8 9

1 5 FACILITY STATUS B 28 29 0 0 0 29 12 13 OTHER STATUS NA 30 31 METHOD OF DISCOVERY A 31 Alarm 32 DISCOVERY DESCRIPTION
 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
 1 6 ACTIVITY CONTENT Z 33 34 Z 34 NA 35 AMOUNT OF ACTIVITY NA 36 LOCATION OF RELEASE 37
 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
 1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 38 TYPE Z 39 40 DESCRIPTION NA 41
 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
 1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 41 DESCRIPTION NA 42
 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
 1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 43 DESCRIPTION NA 44
 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
 2 0 PUBLICITY ISSUED N 44 45 DESCRIPTION NA 46
 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

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 PDR ADOCK 05000416
 S PDR

NAME OF PREPARER Ron Byrd

PHONE

NRC USE ONLY



MISSISSIPPI POWER & LIGHT COMPANY

Building Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

84 JAN 4 1983
December 30, 1983
ATT: 16

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
Loss of RPS Bus "B" and
Shutdown Cooling
LER 83-188/03 L-0
AECM-83/0816

On December 1, 1983, a loss of RPS Bus "B" and shutdown cooling occurred when the alternate power supply breaker tripped. Power was transferred to the RPS motor generator set and shutdown cooling was restored within one hour as required by Technical Specification 3.4.9.2. This is reported pursuant to Technical Specification 6.9.1.13.b. Attached is LER 83-188/03 L-0 which is an interim report.

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)

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11