

LICENSEE EVENT REPORT

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

0 1 N E F C S 1 2 0 0 0 0 0 0 0 0 0 0 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 37 CAT 38

CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 5 7 0 6 2 5 7 9 8 0 7 1 2 7 9 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During normal operation, Hot Leg temp. indications C/TI-122H failed low. This
0 3 indication is required by Technical Specifications 2.15. It was found that a
0 4 blown fuse in the power supply for the loop had failed and upon further invest-
0 5 gation that the power supply had failed. The power supply was replaced and system
0 6 returned to normal.

0 9 SYSTEM CODE I A 11 CAUSE CODE E 12 CAUSE SUBCODE G 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE P 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20
17 LER NO. REPORT NUMBER 7 9 21 22 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS 22 ATTACHMENT SUBMITTED NPRI-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
A 18 Z 19 Z 20 Z 21 0 0 0 0 0 Y 23 N 24 N 25 C 4 9 0 26
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The GE/MAC power supply Model GR700 failed during operation. The power supply
1 1 was replaced and the system tested to ensure operability.
1 2
1 3
1 4

1 5 FACILITY STATUS E 28 % POWER 1 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION During Normal Operation 32
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
1 6 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36
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
1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
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
1 8 PERSONNEL INJURIES NUMBER 0 0 0 0 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
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
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 PUBLICITY ISSUED N 44 DESCRIPTION NA 45
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

NAME OF PREPARER M. R. Core

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NRC USE ONLY

LER 79-013
Omaha Public Power District
Fort Calhoun Station Unit No. 1
Docket No. 05000285

Attachment No. 1

Safety Analysis

At the time of failure, all redundant indications were in proper working order.

The Reactor Protective System is designed such that no one single failure can render the system inoperable. This failure only slightly degraded one channel out of four of the reactor protective system. The Channel C Reactor Protective System during the failure was placed in a 2 out 3 logic to ensure that minimum degree of redundancy requirements would always be met.

Al Andrews

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Attachment No. 2

Corrective Action

Immediately after discovery of the failure, the power supply was checked and found to have a blown power transistor. The power supply was replaced, the channel checked for proper indication and the bypass keys removed. The indications will continue to be monitored by Surveillance Test.

Al Andrews

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Attachment No. 3

Failure Data

The failed assembly was a GE/MAC model GR700 power supply. A power transistor, a 2N2197, failed in the supply causing the fuse to blow and rendering the supply inoperative. This is the first reportable failure of its kind at Fort Calhoun Station.

A. Andrews