

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 M I D C C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5

CON'T

01 L 6 0 5 0 0 0 3 1 5 7 1 0 0 2 8 2 8 1 0 2 9 8 2 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 DURING THE PERFORMANCE OF N.I.S. INCORE-EXCORE DETECTOR CALIBRATION SURVEILLANCE TEST,
03 THE PROTECTION SET 4 BISTABLES FOR OVERTEMPERATURE DELTA T AND OVERPOWER DELTA T
04 TRIPPED. THIS CONDITION WAS NON-CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION
05 3.3.1.1, TABLE 3.3-1 ITEMS 7 & 8. THE PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED.
06 PREVIOUS OCCURRENCE OF A SIMILAR NATURE INCLUDE: 315/81-037.

07 _____
08 _____

09 I A 11 E 12 G 13 I N S T R U 14 X 15 Z 16

17 8 2 1 0 9 2 2 0 3 3 L 1 0

18 A 19 Z 20 Z 21 0 0 0 0 22 Y 23 Y 24 N 25 W 1 2 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 INVESTIGATION REVEALED THAT THE ISOLATION AMPLIFIER THAT FEEDS THE UPPER ION CHAMBER
11 NUCLEAR FLUX SIGNAL TO THE DELTA T-T AVG PROTECTION SET 4 WAS EXTREMELY SENSITIVE TO
12 VIBRATION. THE ISOLATION AMPLIFIER, MANUFACTURED BY WESTINGHOUSE ELECTRIC CORP.,
13 WAS REPLACED. THE CHANNEL 4 POWER RANGE DRAWER WAS VERIFIED TO BE OPERATING COR-
14 RECTLY AND RETURNED TO SERVICE. (SEE ATTACHED SUPPLEMENT)

15 B 28 0 4 8 29 NA 30 B 31 OPERATOR OBSERVATION 32

16 Z 33 Z 34 NA 35 NA 36

17 0 0 0 37 Z 38 NA 39

18 0 0 0 40 NA 41

19 Z 42 NA 43

20 N 44 NA 45

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NRC USE ONLY

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ATTACHEMENT TO LER# 82-092/03L-0

SUPPLEMENT TO CAUSE DESCRIPTION

INVESTIGATION REVEALED THAT THE ISOLATION AMPLIFIER THAT FEEDS THE UPPER ION CHAMBER NUCLEAR FLUX SIGNAL TO THE DELTA T/TAVG PROTECTION SET 4 WAS EXTREMELY SENSITIVE TO VIBRATION. MOVING THE CHANNEL 4 POWER RANGE DRAWER RESULTED IN THE LOSS OF SIGNAL FROM THE ISOLATION AMPLIFIER TO THE SETPOINT GENERATOR. THE LOSS OF SIGNAL CAUSED THE BISTABLES TO TRIP WHICH RESULTED IN A CONSERVATIVE CONDITION. THE ISOLATION AMPLIFIER, MANUFACTURED BY WESTINGHOUSE ELECTRIC CORPORATION, WAS REPLACED. THE CHANNEL 4 POWER RANGE DRAWER WAS VERIFIED TO BE OPERATING CORRECTLY AND RETURNED TO SERVICE.