

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 0 H D B S 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

LICENSEE CODE

LICENSE NUMBER

LICENSE TYPE

CAT 58

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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 (NP-33-82-15) On 3/2/82 at 2116 hours, RE 2007 in Safety Features Actuation System

0 3 (SFAS) Channel 4 failed low. The low radiation bistable tripped which gave the alarm

0 4 to the Control Room operator. Per Technical Specification 3.3.2.1 the high radiation

0 5 bistable was tripped. At 1905 hours on 3/6/82 and at 1046 hours on 3/7/82, RE 2007

0 6 again failed low. There was no danger to the health and safety of the public or sta-

0 7 tion personnel. The remaining three SFAS channels were operable throughout these

0 8 occurrences.

0 9 I B 11 E 12 X 13 I N S T R U 14 E 15 Z 16

17 8 2 0 1 3 0 3 L 0

A 18 X 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 N 25 V 1 1 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The cause of the failure on 3/2/82 was determined to be a broken wire in the cable

1 1 connector in penetration box P4LIGX. Under MWO IC-193-82, the cable connector was re-

1 2 terminated and the SFAS channel returned to service on 3/4/82. The detector was re-

1 3 placed 3/7/82 under MWO IC-216-82. ST 5031.04 was run and the SFAS channel returned

1 4 to service on 3/10/82.

1 5 E 28 0 6 8 29 NA A 31 Operator Observation 32

1 6 Z 33 Z 34 NA NA NA 36

1 7 0 0 0 37 Z 38 NA 39

1 8 0 0 0 40 NA 41

1 9 Z 42 NA 43

2 0 N 44 NA 45

NRC USE ONLY

DVRs

8204120318 820331
PDR ADOCK 05000346
S PDR

id T. Eldred

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TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-15

DATE OF EVENT: March 2, 6, and 7, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Radiation element RE 2007 in Safety Features Actuation System (SFAS) Channel 4 failed low

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 1885 and Load (Gross MWE) = 611.

Description of Occurrence: At 2116 hours on March 2, 1982, RE 2007 in SFAS Channel 4 failed low. The low radiation bistable tripped which gave the alarm to the Control Room operator. Per Technical Specification 3.3.2.1, action (b), the high radiation bistable was tripped.

At 1905 hours on March 6, 1982 and at 1046 hours on March 7, 1982, RE 2007 again failed low.

Designation of Apparent Cause of Occurrence: The cause of the March 2 failure was determined to be a broken wire in the cable connector in penetration box P4LIGH. This could have been caused by the wire being slightly shorter, thus taking more strain than the other wires in the connector.

The cause of the March 6 failure was loose high and low range circuit boards in the detector and dirty contacts between these circuit boards and the mother board. This was caused by the failure to replace the foam pads which keep these boards from vibrating.

The cause of the March 7 failure is believed to be a result of the March 6 failure which probably overstressed the circuit board components.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The remaining three SFAS channels were operable throughout these occurrences.

Corrective Action: Under Maintenance Work Order (MWO) IC-193-82, the cable connector was re-terminated, and the detector recalibrated. The SFAS channel was returned to service on March 4, 1982, after the successful performance of the applicable sections of Surveillance Test ST 5031.04. Under MWO IC-215-82, the boards were re-installed correctly after cleaning the connectors. A calibration check was run on the detector and the SFAS channel returned to service on March 7, 1982. Under MWO IC-216-82, the detector was replaced on March 7, 1982. Surveillance Test ST 5031.04 was run, and the SFAS channel returned to service on March 10, 1982. The detector

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is being returned to Victoreen for analysis and repair. Temporary Modification T-6125 was added to Surveillance Test ST 5031.04 to ensure that the foam pads on the boards are reinstalled when calibrating or working on these detectors.

Failure Data: A previous occurrence was reported in Licensee Event Report NP-33-82-01 (82-002).

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