

# LICENSEE EVENT REPORT

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

01 0 H D B S 1 2 0 0 - 0 0 N P F - 0 3 3 4 1 1 1 1 4 9  
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  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T  
01 L 6 0 5 0 - 0 3 4 6 7 1 0 1 7 7 9 8 1 1 1 3 7 9 9  
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  
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On October 17, 1979 at 1410 hours, Safety Features Actuation System (SFAS) Channel 2  
03 Radiation Detector RE 2005 spiked tripping SFAS Channel 2 containment radiation bi-  
04 stable. This placed the unit in the Action Statement of T.S. 3.3.3.1.b9 which requires  
05 the failed section of the channel be left in the tripped state. There was no danger  
06 to the health and safety of the public or station personnel. The containment radia-  
07 tion instrument strings associated with the other three SFAS Channels were operable  
08 which meets the minimum operational requirements. (NP-33-79-118)  
7 8 9

09 I B 11 B 12 A 13 I N S T R U 14 E 15 Z 16  
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  
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE  
17 7 9 1 0 1 0 3 L 0  
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  
LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.  
18 D 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 N 25 V 1 1 1 5 26  
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  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of the occurrence was component failure of the detector. Under Maintenance  
11 Work Order (MWO) IC-464-79, the failed detector was replaced. The new detector was  
12 declared operable by the successful performance of ST 5031.01 at 0515 hours on October  
13 20, 1979. MWO IC-466-79 was issued to repair the failed detector.  
7 8 9

14 D 28 0 0 0 29 NA A 31 Operator observation 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  
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION  
15 Z 33 Z 34 NA NA NA NA 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  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE  
16 0 0 0 37 Z 38 NA NA 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  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION  
17 0 0 0 40 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  
PERSONNEL INJURIES NUMBER DESCRIPTION  
18 0 0 0 42 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  
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION  
19 Z 44 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  
PUBLCITY ISSUED DESCRIPTION  
20 N 44 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

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NRC USE ONLY

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-118

DATE OF EVENT: October 17, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Safety Features Actuation System (SFAS) Channel 2 Containment Radiation Detector RE 2005 inoperable

Conditions Prior to Occurrence: The unit was in Mode 3, with Power (MWT) = 0, and Load (Gross MWe) = 0.

Description of Occurrence: On October 17, 1979 at 1410 hours, SFAS Channel 2 Radiation Detector RE 2005 spiked (tripping SFAS Channel 2 containment radiation bistable) and returned to normal. The spiking was over full range of the readout and RE 2005 was declared inoperable. This placed the unit in the Action Statement of Technical Specification 3.3.3.1.b9 which requires the operability of all four SFAS containment radiation instrument strings in all modes. The SFAS channel 2 containment radiation bistable was left in the tripped state as required by the Action Statement. The containment radiation instrument strings associated with the other three SFAS channels were operable, meeting the minimum operational requirements.

Designation of Apparent Cause of Occurrence: The apparent cause of this occurrence is component failure of the detector. The failed detector is being examined by the Instrument and Control shop and as of this time the problem has not been pinpointed.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The containment radiation monitoring instrument strings associated with the other three SFAS channels are operable. RE 2005 failed in the high (safe) direction.

Corrective Action: Under Maintenance Work Order IC-464-79, the detector was replaced. The new detector was declared operable by the successful performance of ST 5031.01 at 0515 hours on October 20, 1979. Maintenance Work Order IC-466-79 was issued to troubleshoot and repair the failed detector. The low range board and the auxiliary board in the detector were found to be defective. These boards were replaced and a detector calibration was accomplished. The detector was returned to stock as a spare and the failed boards were returned to Victoreen Company for repair. The maintenance work order was completed on November 5 and closed on November 7, 1979.

Failure Data: Previous failures of RE 2005 were reported in Licensee Event Reports NP-33-78-140, NP-33-79-92, and NP-33-79-103.

LER #79-101

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