

## LICENSEE EVENT REPORT

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

0 1 0 H D B S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 57 CAT 58

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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

0 1 REPORT SOURCE L 6 0 5 0 0 0 3 4 6 7 0 6 0 4 8 1 8 0 7 0 1 8 1 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 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 (NP-33-81-40) At 1410 hours during the performance of ST 5031.14, it was noted that the

0 3 relay status lamp 302A did not change state when a trip signal was applied. As a result

0 4 the trip output to AF 599 (auxiliary feedwater discharge to Steam Generator 2) from the

0 5 Steam and Feedwater Rupture Control System (SFRCS) Channel 2 was inoperable. This

0 6 placed the unit in the action statement of Technical Specification 3.3.2.2. There was

0 7 no danger to the health and safety of the public or station personnel. SFRCS Channels

0 8 1/3 and Auxiliary Feedwater Train 1 were operable.

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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

0 9 SYSTEM CODE I E 11 CAUSE CODE E 12 CAUSE SUBCODE A 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE X 15 VALVE SUBCODE 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 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

17 LEAD REPORT NUMBER 8 1 0 3 2 0 3 L 0

18 ACTION TAKEN C 18 X 19 FUTURE ACTION Z 20 EFFECT ON PLANT Z 21 SHUTDOWN METHOD Z 22 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER C 5 6 0 26

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause was determined to be a failed relay driver card in SFRCS Channel 2. Under

1 1 MWO IC-458-81, the defective relay driver board was replaced. The channel was declared

1 2 operable on 6/4/81 at 2240 hours. The defective relay driver board will be tested to

1 3 determine the failed component.

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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 4 FACILITY STATUS E 28 % POWER 0 7 3 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION During performance of ST 5031.14 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 5 ACTIVITY CONTENT Z 33 OF RELEASE Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36

1 6 PERSONNEL EXPOSURES NUMBER 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 7 PERSONNEL INJURIES NUMBER 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 8 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 9 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 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

8107140441 810701  
PDR ADOCK 05000346  
S PDR

NRC USE ONLY

DVR 81-076 NAME OF PREPARER Daniel J. Trautman PHONE (419) 259-5000, Ext. 235

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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-40

DATE OF EVENT: June 4, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Inoperable trip output to AF 599 (auxiliary feedwater discharge to Steam Generator 2) from Steam and Feedwater Rupture Control System (SFRCS) Channel 2 during performance of ST 5031.14 Section 6.3

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2046 and Load (Cross MWE) = 669

Description of Occurrence: On June 4, 1981 at approximately 1410 hours during the performance of ST 5031.14, SFRCS Monthly Functional Test, Section 6.3, it was noted that the relay status lamp 302A did not change state when a trip signal was applied. The above mentioned relay status lamp determines the trip status of an open signal to AF 599 (auxiliary feedwater discharge to Steam Generator 2) from SFRCS Channel 2. This would have prevented AF 599 from receiving an open signal had it first received a close signal on a double ended main steam line break followed by a repressurization of Steam Generator 2. This placed the unit in the action statement of Technical Specification 3.3.2.2 which required the inoperable channel to be placed in the tripped condition within one hour while in Modes 1, 2, and 3. The unit was in Mode 1 at the time of the occurrence. After what was initially determined to be satisfactory testing performed, the channel was declared operable, however, further evaluation of the necessary repairs led to the conclusion that the testing requirements were not adequate. The channel was again declared inoperable to perform response time testing. Upon satisfactory completion of response time testing, the channel was declared operable.

Designation of Apparent Cause of Occurrence: The apparent cause of the occurrence was determined to be a failed relay driver card in SFRCS Channel 2.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. SFRCS Channels 1/3 and Auxiliary Feedwater Train 1 were operable at the time of the occurrence.

Corrective Action: Maintenance Work Order IC-458-81 was issued to investigate in which case it was found that Relay Driver Board (P/N GN177) location 2-1 was defective. The defective relay driver board was replaced. The SFRCS Monthly Functional Test was again performed for this channel satisfactorily. The channel was declared operable on June 4, 1981 at 2240 hours. The defective relay driver board will be tested to determine the failed component.

Failure Data: There have been no previous failures of this type.