

CONTROL BLOCK: 

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 (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	-	0	3	4	6	7	0	9	1	7	7	9	8	1	0	1	2	7	9	9
60	61									68	69						74	75						80
DOCKET NUMBER											EVENT DATE						REPORT DATE							

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On September 17, 1979 at 2330 hours, the output relay lamp for relay K303A in Steam and Feedwater Rupture Control System (SFRCS) Channel 3 was extinguished which indicated that K303A was in the tripped condition. This placed the unit in Action Statement 13 of T.S. 3.3.2.2 which allows operation to continue provided the inoperable section of the channel is placed in the tripped condition within one hour. There was no danger to the health and safety of the public or station personnel. Auxiliary Feedwater Valve AF608 would have performed as designed. (NP-33-79-108)

SYSTEM CODE C H 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	
EVENT YEAR 7 9		SEQUENTIAL REPORT NO. 0 9 3		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0			
ACTION TAKEN C 18		FUTURE ACTION A 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 22		ATTACHMENT SUBMITTED Y 23	
NPRD-4 FORM SUB. Y 24		PRIME COMP. SUPPLIER N 25		COMPONENT MANUFACTURER C 5 6 0 26							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause was an inoperable optical isolator on the relay driver board of SFRCS Chan-  
1 1 nel 3. Under Maintenance Work Order IC-428-79, the failed board was replaced. The  
1 2 new board was functionally bench tested and declared operable at 1300 hours on Septem-  
1 3 ber 18, 1979. The inoperable board was further tested and the inoperable optical iso-  
1 A lator was found and replaced, and the repaired board returned to stock.

FACILITY STATUS			% POWER			OTHER STATUS			METHOD OF DISCOVERY			DISCOVERY DESCRIPTION		
1	5	E	28	1	0	0	29	NA	B	31	Operator observation			
ACTIVITY CONTENT			RELEASED OF RELEASE			AMOUNT OF ACTIVITY			LOCATION OF RELEASE					
1	6	Z	33	Z	34	NA	44		45	NA	36			
PERSONNEL EXPOSURES			TYPE			DESCRIPTION								
1	7	0	0	0	37	Z	38	NA						
PERSONNEL INJURIES			DESCRIPTION											
1	8	0	0	0	40	NA	41							
LOSS OF OR DAMAGE TO FACILITY			DESCRIPTION											
1	9	Z	42	NA	43									
PUBLICITY			ISSUED			DESCRIPTION								
2	0	N	44	NA	45									

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-108

DATE OF EVENT: September 17, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of output relay driver card 2-10 circuit 3 in the Steam and Feedwater Rupture Control System (SFRCS) Channel 3

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2772, and Load (Gross MWE) = 910.

Description of Occurrence: At 2330 hours on September 17, 1979, during performance of Surveillance Test ST 5099.01, "Miscellaneous Instrument Shift Checks", it was found that the output relay lamp for relay K303A in SFRCS Channel 3 was extinguished showing that K303A was in the tripped condition. The K303A relay is one of the two out of two relay logic on the open circuit of AF608, auxiliary feedwater isolation valve to OTSG 1-1.

This placed the unit in Action Statement 13 of Technical Specification 3.3.2.2 which allows operation to continue provided the inoperable section of the channel is placed in the tripped condition within one hour.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was an inoperable optical isolator (Consolidated Controls Corporation part number FCD820) on their relay driver board part number 6N177.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The failure of the component automatically put the affected circuit in a tripped condition. AF608 would have performed as designed during an actual SFRCS trip.

Corrective Action: On September 18, 1979, under Maintenance Work Order (MWO) IC-428-79, it was found that the relay driver board 2-10 circuit 3 in SFRCS Channel 3 was inoperable. A new board serial number 050 was taken from stock, functionally bench tested, and placed in service for the inoperable board serial number 012. The card was functionally tested per MWO IC-428-79 and returned to operability at 1330 hours on September 18, 1979. The inoperable board serial number 012 was repaired under MWO IC-112-79 in which an inoperable optical isolator part number FCD820 was found. The board was then tested and placed back into stock.

Failure Data: There has been one previous failure of an optical isolator, see Licensee Event Report NP-33-79-106.