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7	8	60	61	DOCKET NUMBER						68	69	EVENT DATE						74	75	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 (NP-33-82-13) On 2/25/82 at 0320 hours during the performance of ST 5013.04, Control Rod Exercising Test, Control Rod 5-2 dropped to 0% withdrawn. The station entered the

0 3 Action Statement of Technical Specification 3.1.3.1. The dropped rod in quadrant X-Y

0 4 caused Quadrant Power Tilt to increase to approximately 9% in quadrant WX and ZW in

0 5 excess of the transient limit but less than the maximum limit of Technical Specifica-

0 6 tion 3.2.4. There was no danger to the health and safety of the public or station

0 7 personnel. The control rod failed in a safe manner causing the rod to drop.

0 8

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE	
0	9	R	B	E	X	C	K	T	B	R	K	Z	Z
11		12		13		14				15		16	
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.					
8	2	0	1	1	0	3	L	0					
21		22		23		24		25					
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS					
A	Z	B	A	0	1	0	Y	Y	Z				
18		19		20		21		22					
ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER							
Y	Y	Z	Z	9	9	9	9						
41		42		43		44							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of the rod drop was a blown fuse in the transfer switch module assembly "B"

11 phase. This appears to be a random fuse failure as the unit has not experienced diffi-

12 culties prior to this event. The blown fuse was replaced at 0530 hours. Rod 5-2 was

13 declared operable at 0550 hours on February 25, 1982. At 0650 hours, the quadrant

14 power tilt had returned to below the steady state limit.

7 8 9
FACILITY STATUS 30
1 5 E 28
% POWER OTHER STATUS
0 6 8 29 NA
METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
B 31 Surveillance Test ST 5013.04
80

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

1 6 2 3 4 5 6 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

NA

LOCATION OF RELEASE (36)

PERSONNEL EXPOSURES										
NUMBER			TYPE	DESCRIPTION						
1	2	3	4	5	6	7	8	9	10	
				(37)	Z	(38)	NA			

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	2	3	4	5	6
		0	0	0	40 NA

1 9		2		3		4		5		6		7		8		9		10		11		12	
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PUBLICITY 8204080406 820325
 ISSUED DESCRIBED PDR ADOCK 05000346
 2 0 N 44 NA S PDR

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-13

DATE OF EVENT: February 25, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Ratchet trip of Control Rod Group 5 Rod 2 during a monthly control rod exercising test

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 1885 and Load (Gross MWE) = 610.

Description of Occurrence: On February 25, 1982 at 0320 hours during the performance of ST 5013.04, Control Rod Exercising Test, Control Rod 5-2 dropped to 0% withdrawn. Since the reactor control was in manual to perform the control rod exercising, the reactor power was manually reduced after the rod drop to less than 60% of full power. Technical Specification 3.1.3.1 requires all control rods to be operable and positioned within $\pm 6.5\%$ (indicated position) of their group average height while in Modes 1 and 2. Rod 5-2 could not be recovered and was declared inoperable, placing the unit in the action statement of Technical Specification 3.1.3.1. The shutdown margin was verified to be $\geq 1\% \Delta K/K$ at 0335 hours on February 25, 1982.

The dropped rod in quadrant X-Y caused quadrant power tilt to increase to approximately 9% in quadrants WX and ZW, in excess of the transient limit but less than the maximum limit of Technical Specification 3.2.4. At 0530 hours, the high flux trip was reduced to $\leq 65.5\%$ per the action statement of Technical Specification 3.2.4.

Designation of Apparent Cause of Occurrence: The cause of the rod drop was determined to be a blown fuse in the transfer switch module assembly "B" phase. This caused the ratchet trip of Rod 5-2 during the Control Rod Exercising Test. The fuse could have been blown prior to exercising the rod since such a deficiency would not become visible until rod motion is attempted. This appears to be a random fuse failure; the unit has not experienced difficulties with these fuses prior to this event.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The control rod failed in a safe manner, causing the rod to drop. Quadrant power tilt remained below the maximum limit throughout the transient.

Corrective Action: The blown fuse was replaced at 0530 hours. Control Rod 5-2 was successfully latched and pulled to Group 5 height proving Rod 5-2 and transfer switch module assembly operability. Rod 5-2 was declared operable at 0550 hours on February 25, 1982, removing the station from the action statement of

Technical Specification 3.1.3.1. At 0605 hours, the quadrant power tilt returned to below the transient limit. At 0650 hours on February 25, 1982, quadrant power tilt had returned to below the steady state limit, and the station was removed from the action statement of Technical Specification 3.2.4.

Failure Data: There have been no previous similar occurrences.

LER #82-011