

LICENSEE EVENT REPORT

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

0 H D B S 1 2 0 0 - 0 0 N P F - 0 3 3 4 1 1 1 1 4 5
 LICENSEE CODE 14 LICENSE NUMBER 25 LICENSE TYPE 30 57 CAT 58

CON'T

REPORT SOURCE L 6 0 5 0 - 0 3 4 6 7 1 2 0 7 7 7 9 0 1 0 3 7 8

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

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At 1130 hours on December 6, 1977 and at 0230 hours on December 7, 1977, the Reactor Protection System (RPS) Channel 3, Flow Loop B failed low. This placed the unit in Action Statement 2 of Technical Specification 3.3.1.1. The channel was tripped to comply with the above Action Statement. There was no danger to the health and safety of the public or to unit personnel. The only system affected was the RPS, which was now a one out of three trip logic. (NP-33-77-105).

08		9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE	
7	8			9	10	11	12	13	14	15	16	17	18	19	20	21	22
0	9	I	A	E	B	I	N	S	T	R	U	X		Z			
7	8																
17		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		7	7	1	0	5	0	3	L		0		A	Z	Z		
18		21		24		27		30		33		36		39		42	
19		22		25		28		31		34		37		40		43	
20		23		26		29		32		35		38		41		44	
21		24		27		30		33		36		39		42		45	
22		25		28		31		34		37		40		43		46	
23		26		29		32		35		38		41		44		47	
24		27		30		33		36		39		42		45		48	
25		28		31		34		37		40		43		46		49	
26		29		32		35		38		41		44		47		50	
27		30		33		36		39		42		45		48		51	
28		31		34		37		40		43		46		49		52	
29		32		35		38		41		44		47		50		53	
30		33		36		39		42		45		48		51		54	
31		34		37		40		43		46		49		52		55	
32		35		38		41		44		47		50		53		56	
33		36		39		42		45		48		51		54		57	
34		37		40		43		46		49		52		55		58	
35		38		41		44		47		50		53		56		59	
36		39		42		45		48		51		54		57		60	
37		40		43		46		49		52		55		58		61	
38		41		44		47		50		53		56		59		62	
39		42		45		48		51		54		57		60		63	
40		43		46		49		52		55		58		61		64	
41		44		47		50		53		56		59		62		65	
42		45		48		51		54		57		60		63		66	
43		46		49		52		55		58		61		64		67	
44		47		50		53		56		59		62		65		68	
45		48		51		54		57		60		63		66		69	
46		49		52		55		58		61		64		67		70	
47		50		53		56		59		62		65		68		71	
48		51		54		57		60		63		66		69			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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1 0 The cause of both occurrences was component failure. The fuse holder, which supplies

1 1 power to RPS Channel 3, Loop B, Flow Transmitter, had faulty contact. Power was

1 2 restored and the applicable portion of the RPS Monthly Test was performed satisfac-

1 3 torily. The channel was declared operable at 0359 hours on December 7, 1977, remov-

ing the unit from Action Statement 2 of Technical Specification 3.3.1.1.

7 8 9
FACILITY STATUS (1) 5 (29) B (30) 0 4 0 (31) NA OTHER STATUS (32) A (33) Operator Observation
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
ACTIVITY CONTENT (1) 6 (2) Z (3) Z (4) NA AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (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 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
PERSONNEL EXPOSURES (1) 7 (2) 0 (3) 0 (4) 0 (5) Z (6) NA DESCRIPTION (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
PERSONNEL INJURIES (1) 8 (2) 0 (3) 0 (4) 0 (5) NA DESCRIPTION (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
LOSS OF OR DAMAGE TO FACILITY (1) (2) (3) (4) NA DESCRIPTION (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
PUBLCITY (1) (2) (3) (4) NA DESCRIPTION (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
ISSUED (1) (2) (3) (4) NA DESCRIPTION (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
8002040732 NRC USE ONLY

TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-33-77-105

DATE OF EVENT: December 6 and 7, 1977

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Reactor Protection System Channel 3, Loop B, Flow Indication Failed Low

Conditions Prior to Occurrence: On December 6, 1977, the unit was in Mode 1, with Power (MWT) = 554 and Load (MWE) = 135. On December 7, the unit was in Mode 1, with Power (MWT) = 1100 and Load (MWE) = 365.

Description of Occurrence: On December 6, 1977 at 1130 hours and on December 7, 1977 at 0230 hours, the Reactor Protection System (RPS) Channel 3, Loop B, Flow Indication failed low. These occurrences placed the unit in Action Statement 2 of Technical Specification 3.3.1.1. In accordance with Action Statement 2 of Technical Specification 3.3.1.1, RPS Channel 3 was tripped within one hour. The Instrument and Control Section was notified of the occurrences.

Designation of Apparent Cause of Occurrence: The cause of both of these occurrences was component failure. On December 6, 1977, Instrument and Control personnel found that the spring in the base of the fuse holder which supplies power to RPS Channel 3 Loop B, Flow Transmitter FT-RC1B3 was making poor contact. On December 7, 1977, the cap of the same fuse holder was found to be making poor contact. Thus, in both occurrences, the flow transmitter had lost its AC power supply.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. When RPS Channel 3 was tripped, the Reactor Protection System was placed in a "one out of three" condition. Had any one additional channel tripped, the plant would have been shutdown.

Corrective Action: On December 6, 1977, the spring in the base of the fuse holder was replaced. After Surveillance Test ST 5030.02 "RPS Monthly Test" Section 6.11 was completed, the channel was declared operable, and reset at 1450 hours. On December 7, 1977, the fuse holder cap was replaced. At 0359 hours, ST 5030.02, the RPS Monthly Functional Test, Section 6.11 was completed and RPS Channel 3, Loop B, flow string was declared operable. These actions removed the unit from the Action Statement of Technical Specification 3.3.1.1.

Failure Data: There have been no previous failures of springs in fuse holders.