

LICENSEE EVENT REPORT

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

0	1	0	H	D	B	S	1	0	0	-	0	0	N	P	F	-	0	3	4	1	1	1	1	4	1	5
7	8	9	LICENSEE CODE					14	15	LICENSE NUMBER								25	26	LICENSE TYPE				30	57	CAT 58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 0221 hours on 9/28/78, FTRC1A1, the flow transmitter on Reactor Coolant System (RCS)

0 3 | Loop 2 in Reactor Protection System (RPS) Channel 1 failed low. The unit was placed

0 4 | in Action Statement 2 of Technical Specification 3.3.1.1. The unit was removed from

0 5 | the action statement at 0224 hours on 9/28/78 due to a subsequent reactor trip which

0 6 | placed the unit in Mode 3. RPS Channel 1 failed low in the safe direction. RPS

0 7 | Channels 2, 3, and 4 were operable during the period that RPS Channel 1 was inoperable;

0 8 | (NP-33-78-117)

0	J	I	A	E	E	I	N	S	T	R	U	E	Z																			
7	8	SYSTEM CODE		9	10	CAUSE CODE		11	12	CAUSE SUBCODE		13	COMPONENT CODE				18	COMP. SUBCODE		19	VALVE SUBCODE		20									
17	LER RO REPORT NUMBER		7	8	EVENT YEAR		21	22	SEQUENTIAL REPORT NO.		0	9	9	OCCURRENCE CODE		0	3	REPORT TYPE		L	REVISION NO.		0									
ACTION TAKEN		A	FUTURE ACTION		Z	EFFECT ON PLANT		A	SHUTDOWN METHOD		C	HOURS		0	0	9	0	ATTACHMENT SUBMITTED		Y	NPRD-4 FORM SUB.		Y	PRIME COMP. SUPPLIER		N	COMPONENT MANUFACTURER		B	0	4	5
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47																		

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The amplifier in FTRC1A1 was found to be defective and was replaced. Under Mainten-

1 1 | ance Work Order I&C539-78, Instrument and Control personnel replaced the amplifier

1 2 | on FTRC1A1. The transmitter was recalibrated, response timed, string checked, and

1 3 | the surveillance test completed. The transmitter was returned to operable status

1 4 | at 0612 hours on 10/2/78.

1	5	E	1	0	0	NA	A	NA														
7	8	FACILITY STATUS		9	10	% POWER		11	12	OTHER STATUS		30	METHOD OF DISCOVERY				31	DISCOVERY DESCRIPTION				32
1	6	Z	Z	NA	NA																	
7	8	ACTIVITY RELEASED		9	10	CONTENT OF RELEASE		11	12	AMOUNT OF ACTIVITY				35	LOCATION OF RELEASE				36			
1	7	0	0	0	Z	NA																
7	8	PERSONNEL EXPOSURES		9	10	NUMBER		11	12	TYPE		13	DESCRIPTION				39					
1	8	0	0	0	0	NA																
7	8	PERSONNEL INJURIES		9	10	NUMBER		11	12	DESCRIPTION				41								
1	9	0	0	0	0	NA																
7	8	LOSS OF OR DAMAGE TO FACILITY		9	10	TYPE		11	12	DESCRIPTION				43								
1	9	Z	NA																			
7	8	PUBLCITY ISSUED		9	10	DESCRIPTION				45												
2	0	N	NA																			
7	8	ISSUED		9	10	DESCRIPTION				45												

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TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-78-117

DATE OF EVENT: September 28, 1978

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Reactor Protection System Channel 1 Flow Transmitter FTRC1A1 failed low.

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2772, and Load (MWE) = 931.

Description of Occurrence: At 0221 hours on September 28, 1978, FTRC1A1, the flow transmitter on Reactor Coolant System (RCS) Loop 2 hotleg in Reactor Protection System (RPS) Channel 1 failed low. The unit was placed in Action Statement 2 of Technical Specification 3.3.1.1, which requires the operability of flux- Δ flux-flow monitors while in Modes 1 and 2.

The unit was removed from the Action Statement at 0224 hours on September 28, 1978 due to a subsequent reactor trip which placed the unit in Mode 3.

Designation of Apparent Cause of Occurrence: Through simulation of a pressure signal to the transmitter and monitoring of the voltage output, it was determined that the amplifier (Bailey Part #6625480B2) in FTRC1A1 was defective.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. RPS Channel 1 failed low, in the safe direction. RPS Channels 2, 3, and 4 were operable during the period that RPS Channel 1 was inoperable.

Corrective Action: Under Maintenance Work Order I&C539-78, Instrument and Control personnel replaced the amplifier on FTRC1A1. The transmitter was recalibrated, response timed and string checked, and Surveillance Test ST 5030.05, "RCS Flow to RPS Refueling Period Calibration" completed. The transmitter was returned to operable status at 0612 hours on October 2, 1978.

Failure Data: FTRC1A3 was reported to have been inoperable due to a defective amplifier in Licensee Event Report NP-33-78-24. FTRC1B3 was reported to have been inoperable in Licensee Event Reports NP-33-77-67 and NP-33-77-105, but fuse holder problems were the causes of these occurrences.

LER #78-099