NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | O H D B S 1 (2) | Ø Ø - Ø Ø N P F - Ø 3 (3) | 4 1 1 1 1 (4) | CAT (5)

LICENSEE CODE 7–14; LICENSE NUMBER 15–25; LICENSE TYPE 26–30; CAT 57–58

CON'T 0 1 REPORT SOURCE L (6) | DOCKET NUMBER Ø 5 Ø - Ø 3 4 6 (7) | EVENT DATE 1 Ø 2 5 7 7 (8) | REPORT DATE 1 1 2 2 7 7 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On October 23, 1977 during the performance of ST 5071.01, AF3872 initially failed to

0 3 stroke when it was given an open signal. AF3872 was manually stroked whereupon it

0 4 would stroke normally. Test gauges indicated leakage past Check Valves which caused

0 5 a backpressure. Although the starting of the Auxiliary Feed Pump would equalize the

0 6 differential across the valve, Stop Valve AF3872 was declared inoperable for mainte-

0 7 nance at 1400 hours on October 25, 1977, placing the Station in the Action Statement

0 8 of Technical Specification 3.7.1.2. (NP-33-77-83)

0 9	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	C H (11)	E (12)	B (13)	V A L V Ø P (14)	E (15)	D (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 7	—	Ø 8 3	/	Ø 3	L	—	Ø

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	Ø Ø Ø Ø	Y (23)	N (24)	A (25)	L 2 Ø Ø (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The inability of the Stop Valve AF3872 to stroke was due to component failure. Stop

1 1 Valve AF3872 is designed to open with 1500 PSI backpressure; however, the open

1 2 torque switch would torque out with 800 PSIG backpressure. The torque switch was

1 3 replaced on October 27, 1977.

1 4

1 5	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	B (28)	Ø Ø Ø (29)	NA	B (31)	NA

1 6	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

1 7	NUMBER	TYPE	DESCRIPTION (39)
	Ø Ø Ø (37)	Z (38)	NA

PERSONNEL INJURIES

1 8	NUMBER	DESCRIPTION (41)
	Ø Ø Ø (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE	DESCRIPTION
	Z (42)	NA

8002040725

PUBLICITY

2 0	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	NA	

DWR 146-1 NAME OF PREPARER L. Johnson PHONE: 259-5000, Ext. 277

TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-33-77-83

DATE OF EVENT: October 25, 1977

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of AF3872, Auxiliary Feed Pump 1-2 to Steam Generator

Conditions Prior to Occurrence: The plant was in Mode 3, with Power (MWT) = 0 and Load (MWE) = 0.

Description of Occurrence: On October 23, 1977 during the performance of ST 5071.01, Auxiliary Feedwater System Monthly Test, Stop Valve AF3872 initially failed to stroke when it was given an open signal. Stop Valve AF3872 was manually stroked whereupon it would stroke normally. Pressure gauges were installed between AF3872 and Steam Generator 1-2. These gauges indicated leakage past Check Valves AF43 and AF75 which caused a pressure of approximately 800 PSIG. Although the starting of the Auxiliary Feed Pump would equalize the differential across the valve, Stop Valve AF3872 was declared inoperable for maintenance at 1400 hours on October 25, 1977, placing the Station in the Action Statement of Technical Specification 3.7.1.2.

Designation of Apparent Cause of Occurrence: The inability of the Stop Valve AF3872 to stroke was due to component failure. Stop Valve AF3872 is designed to open with 1500 PSI backpressure; however, the open torque switch would torque out with 800 PSIG backpressure.

Analysis of Occurrence: There was no danger to the health and safety of the public or to Station personnel. The redundant AFP (1-1) was available for emergency operation if required.

Corrective Action: The torque switch was replaced on October 27, 1977. At 0630 hours on October 27, 1977, Stop Valve AF3872 was stroked and it operated properly, removing the Station from the Action Statement of Technical Specification 3.7.1.2.

Failure Data: There have been no previously reported inoperabilities of a motor operated valve caused by a defective torque switch.