NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 LICENSEE CODE: O H D B S 1 (2) LICENSE NUMBER: Ø Ø - Ø Ø N P F - Ø 3 (3) LICENSE TYPE: 4 1 1 1 1 (4) CAT (5)

CON'T 01 REPORT SOURCE: L (6) DOCKET NUMBER: Ø 5 Ø - Ø 3 4 6 (7) EVENT DATE: 1 1 1 9 7 9 (8) REPORT DATE: 1 2 1 8 7 9 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 At 2030 hours on November 19, 1979 while performing surveillance testing, valve MS106
03 failed to open. This placed the unit in the action statement of Technical Specifica-
04 tion 3.7.1.2 which requires that with one pump inoperable, the inoperable pump be re-
05 paired within 72 hours or the unit be in hot shutdown within the next 12 hours. There
06 was no danger to the health and safety of the public or station personnel. Auxiliary
07 Feed Pump (AFP) 1-2 was operable during the inoperability of AFP 1-1.
08 (NP-33-79-130)

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	C H (11)	B (12)	C (13)	V A L V O P (14)	A (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 9	—	1 1 2	/	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
D (18)	G (19)	Z (20)	Z (21)	Ø Ø Ø Ø	Y (23)	Y (24)	A (25)	L 2 Ø Ø (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The motor operator torque switches were adjusted and surveillance testing successfully
11 performed on 11/20/79, removing the unit from the action statement. However, disas-
12 sembly of the motor operator revealed that the cause was actually the worm gear spacer
13 was installed upside down. The drive sleeve was machined and the worm gear spacer
14 was reinstalled correctly.

15 FACILITY STATUS: G (28) % POWER: Ø Ø Ø (29) OTHER STATUS (30): NA METHOD OF DISCOVERY: B (31) DISCOVERY DESCRIPTION (32): Surveillance Test ST 5071.01

16 ACTIVITY RELEASED: Z (33) CONTENT OF RELEASE: Z (34) AMOUNT OF ACTIVITY (35): NA LOCATION OF RELEASE (36): NA

PERSONNEL EXPOSURES
17 NUMBER: Ø Ø Ø (37) TYPE: Z (38) DESCRIPTION (39): NA

POOR ORIGINAL 1617 226

PERSONNEL INJURIES
18 NUMBER: Ø Ø Ø (40) DESCRIPTION (41): NA

7912260 .258

LOSS OF OR DAMAGE TO FACILITY (43)
19 TYPE: Z (42) DESCRIPTION: NA

PUBLICITY
20 ISSUED: N (44) DESCRIPTION (45): NA

NRC USE ONLY

DVR 79-172 NAME OF PREPARER: John O'Neill PHONE: 419-259-5000, Ext. 293

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-130

DATE OF EVENT: November 19, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Auxiliary Feed Pump 1-1 inoperable

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

Description of Occurrence: At 2030 hours on November 19, 1979 while performing Surveillance Test ST 5071.01, "Auxiliary Feedwater System Monthly Test", valve main steam (MS) 106 failed to open.

This placed the unit in the action statement of Technical Specification 3.7.1.2 which requires that with one pump inoperable, the inoperable pump be repaired within 72 hours or the unit be in hot shutdown within the next 12 hours. The technical specification requires operability of both Auxiliary Feed Pumps (AFPs) while in Modes 1, 2, and 3.

Designation of Apparent Cause of Occurrence: The cause of this occurrence was initially thought to be the torque switch being set too light. However, after taking the limitorque apart, it was found that the worm gear spacer was installed upside down causing a mushrooming effect on the drive sleeve. This mushroomed area was dragging on the worm gear causing it to turn harder, requiring more torque. This caused the limitorque to torque out prior to opening the valve.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. Auxiliary Feed Pump 1-2 was operable during the inoperability of AFP 1-1.

Corrective Action: Under Maintenance Work Order (MWO) 79-3546, the torque settings were adjusted. Surveillance Test ST 5071.01 was successfully performed on November 20, 1979, and the AFP 1-1 was declared operable. The unit was then removed from the action statement of Technical Specification 3.7.1.2.

Under MWO 79-3704, which was completed on December 12, 1979, the mushroomed drive sleeve was machined for proper tolerance and the worm gear spacer was reinstalled correctly. Surveillance Test ST 5071.01 will be performed to ensure operability of AFP 1-1 as soon as the plant is in Mode 3.

A modification will be made to maintenance procedure MP 1410.32, "Removal and Repair of Limitorque Valve Controls", to ensure the worm gear spacer on all similar limitorques will be installed correctly.

Failure Data: There has been one other similar occurrence reported under Licensee Event Report NP-33-79-85.