

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | (NP-33-83-77) On 10/15/83 at 0720 hours during a feedwater transient which resulted in

0 3 | a Steam and Feedwater Rupture Control System actuation, Auxiliary Feedwater (AFW) Pump

0 4 | Turbine #2 started as required but immediately tripped. This placed the unit in Action

0 5 | Item "A" of Technical Specification 3.7.1.2. There was no danger to the public or

0 6 | station personnel. The redundant AFW train performed as required.

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0 8 |

7 8 9

SYSTEM CODE C H 11 9 10		CAUSE CODE E 12 11		CAUSE SUBCODE B 13 12		COMPONENT CODE M E C F U N 14 13 18				COMP. SUBCODE Z 15 19		VALVE SUBCODE Z 16 20	
LER/RO REPORT NUMBER 0 9 8 7		EVENT YEAR 8 3 21 22		SEQUENTIAL REPORT NO. 5 7 24 26		OCCURRENCE CODE 3 28 29		REPORT TYPE X 30		REVISION NO 1 32			
ACTION TAKEN X 18 33		FUTURE ACTION X 19 34		EFFECT ON PLANT Z 20 35		SHUTDOWN METHOD Z 21 36		HOURS 0 0 0 22 37 40		ATTACHMENT SUBMITTED Y 23 41		NPRD-4 FORM SUB. Y 24 42	
								PRIME COMP. SUPPLIER Z 25 43		COMPONENT MANUFACTURER Z 9 9 9 26 44 47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this occurrence is a component failure. The linkage was found to be

1 1 rather sticky which caused improper latching of the trip linkage. Cycling the linkage

1 2 freed it up considerably. The AFW Pump Turbine #2 was declared operable at 1510 hours

1 3 on 10/15/83. Cycling of the trip linkage is to be included as a part of ST 5071.04,

1 4 AFW System Monthly Test.

7 8 9 FACILITY STATUS 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 OTHER STATUS 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 METHOD OF DISCOVERY 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 DISCOVERY DESCRIPTION 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 5 E 28 0 3 2 29 NA A 31 Operator observation 32

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 2 33 34 NA

7 8 9 10 11 44

AMOUNT OF ACTIVITY (35)

NA

45 80

LOCATION OF RELEASE (36)

PERSONNEL EXPOSURES					
NUMBER			TYPE	DESCRIPTION	
1	7		Z	(38)	NA

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	40 NA

7		8		9		10		11		12			
LOSS OF OR DAMAGE TO FACILITY						(43)							
TYPE		DESCRIPTION											
1	9	Z	(42)	NA									

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 PDR ADOCK 05000346  
 S PDR

PUBLICITY  
 ISSUED DESCRIPTION (45)  
 2 0 N (44) NA

NRC USE ONLY

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

DATE OF EVENT: October 15, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Inadequate latching of Auxiliary Feed Pump Turbine (AFPT) trip linkage

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWt) = 887 and Load (Gross MWe) = 210.

Description of Occurrence: On October 15, 1983, at 0720 hours, during a feedwater transient which resulted in a Steam and Feedwater Rupture Control System (SFRCS) actuation, AFPT #2 started as required, but immediately tripped. The Control Room received an "AFPT TROUBLE" alarm and an "AFPT OVERSPEED TRIP" alarm. An operator was dispatched to investigate the alarm and found the trip throttle valve tripped. This placed the unit in Action Item "A" of Technical Specification 3.7.1.2, which requires restoration of the inoperable system to operable status within 72 hours or be in Hot Shutdown within the next 12 hours.

Designation of Apparent Cause of Occurrence: The cause of this occurrence is a component failure. The linkage was found to be rather sticky which caused improper latching of the trip linkage. Although the linkage is periodically lubricated, periodic cycling of the linkage should be performed to verify and maintain freedom of movement.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The redundant train performed as required.

Corrective Action: Maintenance and Operations personnel investigated the problem under Maintenance Work Order (MWO) 1-83-5253-00 and found the linkage to be rather sticky which prevented proper latching of the trip linkage. Cycling the linkage freed it up considerably. Several turbine starts were performed after verifying proper latching with no subsequent turbine trip. The turbine was declared operable at 1510 hours on October 15, 1983, which removed the unit from Action Item "A" of Technical Specification 3.7.1.2. Cycling of the trip linkage is to be included as part of Surveillance Test ST 5071.01, Auxiliary Feedwater System Monthly Test.

Failure Data: There have been no previous similar occurrences.

LER #83-057



December 30, 1983

Log No. K83-1859  
File: RR 2 (NP-33-83-77)

Docket No. 50-346  
License No. NPF-3

Mr. James G. Keppier  
Regional Administrator, Region III  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

As a result of a typographical error, enclosed are three copies of Revision 1 to Licensee Event Report 83-057, including revised supplemental information sheet. The revisions to the report are indicated by a "1" in the left margin of each page.

Please destroy your previous copies of this report and replace with the attached revision.

Yours truly,

Terry D. Murray  
Station Superintendent  
Davis-Besse Nuclear Power Station

TDM/ljk

Enclosure

cc: Mr. Richard DeYoung, Director  
Office of Inspection and Enforcement  
Encl: 30 copies

Mr. Norman Haller, Director  
Office of Management and Program Analysis  
Encl: 3 copies

Mr. Walt Rogers  
NRC Resident Inspector  
Encl: 1 copy

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