

LICENSEE EVENT REPORT

CONTROL BLOCK																											
LICENSEE NAME					LICENSE NUMBER					LICENSE TYPE					EVENT TYPE												
01	0	H	D	B	S	L	1	0	0	-	0	0	N	P	F	-	0	3	4	1	1	1	1	1	0	3	
CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER					EVENT DATE					REPORT DATE											
01	CONT	L	L	0	5	0	-	0	3	4	6	0	8	1	5	7	7	0	9	0	9	7	7				
EVENT DESCRIPTION																											
07	On August 15, 1977, the Main Steam Line 2 Isolation Valve, MS100, closed																										
08	due to a control air leak. This placed the station in the Action State-																										
09	ment of Technical Specification 3.7.1.5. The valve was declared inopera-																										
10	ble and left in the closed position. (NP-33-77-55)																										
06																											
SYSTEM CODE		CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER					COMPONENT MANUFACTURER					VIOLATION								
07	C	D	E	V	A	L	V	O	P	N	R	3	4	0	N												

CAUSE DESCRIPTION																											
08	The instrument air moisture trap bowl had failed at the threads. The																										
09	valve closes on a loss of instrument air.																										
10																											

FACILITY STATUS		POWER		OTHER STATUS					METHOD OF DISCOVERY					DISCOVERY DESCRIPTION													
11	B	0	0	0	NA	1	NA	NA																			
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY					LOCATION OF RELEASE																		
12	Z	Z	NA	NA																							
PERSONNEL EXPOSURES		TYPE		DESCRIPTION																							
13	0	0	0	Z	NA																						
PERSONNEL INJURIES		DESCRIPTION																									
14	0	0	0	NA																							
OFFSITE CONSEQUENCES																											
15	NA																										
LOSS OR DAMAGE TO FACILITY																											
TYPE		DESCRIPTION																									
16	Z	NA																									
PUBLICITY																											
17	NA																										
ADDITIONAL FACTORS																											
18	NA																										
19																											

NAME Jacque Lingenfelter/ Stan Batch PHONE (419) 259-5000, Ext. 251

TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-33-77-55

DATE OF EVENT: August 15, 1977

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Main Steam Isolation Valve MS100 failing closed due to control air leak.

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

Description of Occurrence: At 1315 hours on August 15, 1977, Main Steam Line 2 Isolation Valve MS100 closed due to a control air leak. This placed the station in the Action Statement of Technical Specification 3.7.1.5 which requires both Main Steam Isolation Valves to be operable in Mode 3, Hot Standby.

Main Steam Isolation Valve MS100 was declared inoperable and left in the closed position. Station Instrument and Control personnel were notified of the failure.

Designation of Apparent Cause of Occurrence: The investigation by Instrument and Control personnel found that the valve operator instrument air moisture trap had failed at the plastic bowl threads. This component failure caused a loss of instrument air to the valve which closes (fails safe) without air pressure acting on the operator.

Analysis of Occurrence: The purpose of the Main Steam Isolation Valves is to isolate the affected steam generator in the event of a main steam line break downstream of the isolation valve. Since the main steam isolation valve failed closed and remained closed, no threat to the health and safety of the public or to station personnel occurred.

Corrective Action: Maintenance Work Order 77-1695 was written to investigate the main steam isolation valve closure and repair as needed. It was decided the moisture traps were not needed and should be removed on both main steam isolation valves. This work was completed on August 17, 1977. Facility Change Request 77-231 was initiated for written approval of the moisture trap.

Failure Data: No previous similar events have occurred.