

LICENSEE EVENT REPORT

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

0	1	0	H	D	B	S	1	2	0	0	-	0	0	N	P	F	-	0	3	3	4	1	1	1	1	4	5
7	8	9	LICENSEE CODE						14	15	LICENSE NUMBER						25	26	LICENSE TYPE				30	57 CAT 58			

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 1727 hours on 1/16/79 when Makeup Pump 1 was started for surveillance testing, a 1/2" nipple at the discharge of the attached gear driven lube oil pump failed which caused an oil spray requiring shutdown of the pump. The unit was placed in the Action! Statement of Tech Spec 3.1.2.4. There was no danger to the health and safety of the public or unit personnel. Makeup Pump 1-2 was operable. A shutdown of the unit for a planned outage was in progress when the event occurred. (NP-33-79-17)

0	9	P	C	11	E	12	X	13	P	I	P	E	X	X	14	A	15	Z	16	7	9	0	1	3	0	3	L	0																
7	8	SYSTEM CODE		9	10	CAUSE CODE		11	CAUSE SUBCODE		12	COMPONENT CODE				13	COMP. SUBCODE		19	VALVE SUBCODE		20	EVENT YEAR		21	22	SEQUENTIAL REPORT NO.		23	24	25	26	27	OCCURRENCE CODE		28	29	REPORT TYPE		30	31	REVISION NO.		32
LER/RO REPORT NUMBER		ACTION TAKEN		33	FUTURE ACTION		34	EFFECT ON PLANT		35	SHUTDOWN METHOD		36	HOURS		37	ATTACHMENT SUBMITTED		40	NPRD-4 FORM SUB.		42	PRIME COMP. SUPPLIER		43	COMPONENT MANUFACTURER		44	45	46	47													

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause is suspected to be fatigue failure caused by vibration of the piping. The nipple and bushing that it threads into were replaced. An inspection of lube oil systems on both makeup pumps was made for evidence of any potential failures and none were found.

1	5	G	28	0	0	0	29	NA	30	B	31	Surveillance Test ST 5011.01	32				
7	8	FACILITY STATUS		9	% POWER		10	OTHER STATUS		13	METHOD OF DISCOVERY		45	46	DISCOVERY DESCRIPTION		80

1	6	Z	33	Z	34	NA	35	NA	36				
7	8	ACTIVITY CONTENT		9	RELEASED OF RELEASE		10	AMOUNT OF ACTIVITY		44	LOCATION OF RELEASE		80

1	7	0	0	0	37	Z	38	NA	39					
7	8	PERSONNEL EXPOSURES		9	NUMBER		10	TYPE		11	DESCRIPTION		13	80

1	8	0	0	0	40	NA	41				
7	8	PERSONNEL INJURIES		9	NUMBER		10	DESCRIPTION		12	80

1	9	Z	42	NA	43						
7	8	LOSS OF OR DAMAGE TO FACILITY		9	TYPE		10	DESCRIPTION		12	80

2	0	N	44	NA	45						
7	8	PUBLICITY		9	ISSUED		10	DESCRIPTION		12	80

DVR 79-020

NAME OF PREPARER

James Adams

PHONE

419-259-5000, Ext. 252

NRC USE ONLY

7902210 254

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-17

DATE OF EVENT: January 16, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Makeup Pump 1 was inoperable

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

Description of Occurrence: At 1727 hours on January 16, 1979, Makeup Pump 1 was started for an operational test in accordance with ST 5011.01, "Boron Injection Flowpath Test". Failure of a 1/2" nipple at the discharge of the attached gear driven lube oil pump caused an oil spray which required shutdown of the pump.

At 1730 hours, Makeup Pump 1 was declared inoperable. The unit was placed in the Action Statement of Technical Specification 3.1.2.4, which requires that two Makeup Pumps be operable in Modes 1, 2, 3, and 4 (Mode 4 with Reactor Coolant System pressure \geq 150 psig). The Action Statement requires that the inoperable pump to be in an operable status within 72 hours or the unit be in Hot Standby (Mode 3) within the next six hours.

Designation of Apparent Cause of Occurrence: The cause of the failure of the pipe nipple is suspected to be fatigue failure caused by vibration of the piping. Proper materials were installed, and there is no visual evidence of improper installation or any excessive mechanical force.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. Makeup Pump 2 was operable. A shutdown of the unit for a planned outage was in progress when the event occurred. The unit went into Mode 5 (cold shutdown) at 1815 hours on January 17, 1979.

Corrective Action: On January 18, 1979, under Maintenance Work Order 79-1298, the nipple that failed and bushing that it threads into were replaced. An inspection of lube oil systems on both makeup pumps was made for evidence of any potential failures and found none. After satisfactory completion of ST 5011.01, on Makeup Pump 1, the pump may be declared operable, removing the unit from the Action Statement of Technical Specification 3.1.2.4.

Failure Data: Although there have been previous reports concerning lube oil leaks, (NP-33-78-107 - oil leak inboard deflector disc and NP-33-77-073 - oil leak outboard bearing end plate), this is the first occurrence of a piping failure.