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: Ø 7 1 7 7 9 (8) | REPORT DATE: Ø 8 1 3 7 9 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 At 0120 hours on 7/17/79, Post-Accident Containment Radiation Monitor RE 5029 was
03 taken out of service due to failure of the pump. This placed the unit in the Action
04 Statement of T.S. 3.3.3.6 which requires that two post-accident containment monitor-
05 ing systems be operable in Modes 1, 2, or 3. There was no danger to the health and
06 safety of the public or station personnel. The other containment post-accident moni-
07 tor RE 5030 was operable throughout this occurrence. (NP-33-79-95)
08

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	B B (11)	E (12)	B (13)	P U M P X X (14)	H (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 9	—	Ø 8 1	/	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
C (18)	X (19)	Z (20)	Z (21)	Ø Ø Ø Ø	Y (23)	Y (24)	A (25)	V 1 1 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of this occurrence was component failure of the pump bearings caused by a
11 loss of lubrication due to high ambient temperature. The pump was removed, rebuilt,
12 test run, and reinstalled. At 1640 hours on 7/17/79, RE 5029 was declared operable,
13 removing the unit from the Action Statement. Improved pump bearings with high
14 temperature lubricant are to be installed in the near future.

15	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	1 Ø Ø (29)	NA	A (31)	Operator observation

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

18	NUMBER	DESCRIPTION (41)
	Ø Ø Ø (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

19	TYPE	DESCRIPTION
	Z (42)	NA

7908210460

761343

PUBLICITY

20	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	NA	

DVR 79-116 NAME OF PREPARER James Adams PHONE: 419-259-5000, Ext. 252

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-95

DATE OF EVENT: July 17, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Containment Post-Accident Radiation Monitor RE 5029 was inoperable

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2772, and Load (Gross MWE) = 919

Description of Occurrence: At 0120 hours on July 17, 1979, Post-Accident Radiation Monitor RE 5029 was taken out of service because of pump failure.

This placed the unit in the Action Statement of Technical Specification 3.3.3.6 which requires that two post-accident containment monitoring systems be operable in Modes 1, 2, or 3. The Action Statement requires that the inoperable radiation monitor be returned to service within 30 days or the unit must be placed in Hot Shutdown (Mode 4) within the next 12 hours.

Designation of Apparent Cause of Occurrence: Upon disassembly of the failed pump, it was discovered the failure was caused by the bearing losing lubrication due to high ambient temperature.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. This instrument does not control any equipment but is used for monitoring purposes only. No other systems were affected by this occurrence. No incident requiring use of this instrumentation occurred during the time the monitor was inoperable. The other containment post-accident radiation monitor, RE 5030, was operable during the period that RE 5029 was inoperable.

Corrective Action: Under Maintenance Work Order 79-2519, the pump was removed, rebuilt, test run, and reinstalled. At 1640 hours on July 17, 1979, Section 6.4 of Surveillance Test ST 5032.16, Radiation Monitor Functional Test" was completed and RE 5029 was declared operable. This removed the unit from the Action Statement of Technical Specification 3.3.3.6.

Improved pump bearings with high temperature rated lubricant are on site. Installation is expected in the near future. Facility Change Request (FCR) 78-521 has been written to reduce pump speed in order to reduce the load on the pump bearings. The necessary materials to complete FCR 78-521 are expected to be delivered by mid-August, 1979.

Failure Data: This is a repetitive failure. Previous pump related problems with the radiation monitors have been reported in Licensee Event Reports NP-33-78-30, NP-33-78-54, NP-33-78-77, NP-33-78-143, NP-33-79-37, and NP-33-79-42.

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LER #79-081