

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	0	H	D	B	S	1	2	0	0	-	0	0	0	0	0	-	0	0	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

CONT

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

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 (NP-33-78-111) On 9/2/78, containment post-accident radiation monitor RF 5029 was ob-
03 served to have erratic flow and was declared inoperable by the Shift Supervisor. The
04 unit was then placed in the action statement of Technical Specification 3.3.3.6. There
05 was no danger to the health and safety of the public or station personnel. The redun-
06 dant post-accident radiation monitor, RE 5030, was operable.

[illegible]

SYSTEM CODE 0 9		CAUSE CODE B B		CAUSE SUBCODE E		COMPONENT CODE M O T O R X						SUBCODE Z		SUBCODE Z	
7 8		9 10		11 12		13 14 15 16 17 18						19 20		21 22	
(17) LER/RO REPORT NUMBER		EVENT YEAR 7 8		—		SEQUENTIAL REPORT NO. 0 9 4		—		OCCURRENCE CODE 0 3		REPORT TYPE X		—	
23 24		25 26		27 28		29 30		31 32		33 34		35 36		37 38	
ACTION TAKEN A		FUTURE ACTION X		EFFECT ON PLANT Z		SHUTDOWN METHOD Z		HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y		NPRD-4 FORM SUB. Y		PRIME COMP. SUPPLIER A	
39 40		41 42		43 44		45 46		47 48		49 50		51 52		53 54	
(27) CAUSE DESCRIPTION AND CORRECTIVE ACTIONS															

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause is due to component failure of the motor on the pump. These motors have been

1 1 drawing excessive current and failing at the high ambient temperatures. Under MWOs

1 2 78-2139 and 78-2167 new bearings and a new solenoid valve were installed. FCRs 78-159

1 3 and 78-521 have been implemented to replace the bearings and reduce the speed of the

pumps in the radiation monitors, respectively.

7 8 9
FACILITY STATUS
1 5 E 28
% POWER
1 7 5 29
OTHER STATUS 30
METHOD OF DISCOVERY
A 31 NA
DISCOVERY DESCRIPTION 32

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

1 6 2 (33) Z (34) NA 44

LOCATION OF RELEASE (36)

NA 45 80

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7		37	Z	38	NA			

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE		DESCRIPTION
1	9	Z (42) NA

2 8 9 10

NEC USE ONLY

ISSUED DESCRIPTION (45) PUBLICITY NRC USE ONLY

8108170102 810802
PDR ADOCK 050003 46
S PDR a Lynn Schwenning
PHONE: (419) 259-5000, Ext. 251

TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-33-78-111

DATE OF EVENT: September 2, 1978

FACILITY: Davis-Besse Unit 1

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

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2089, and Load (MWE) = 700.

Description of Occurrence: At 1356 hours on September 2, 1978, Containment Post-Accident Radiation Monitor RE 5029 was observed to have erratic flow and, therefore, declared inoperable by the Shift Foreman. The unit was then placed in the Action Statement of Technical Specification 3.3.3.6, which requires post-accident monitoring instrumentation to be operable while the unit is in Modes 1, 2 or 3. The Action Statement requires that the inoperable unit be restored within 30 days or the unit must be placed in Hot Shutdown within the next 12 hours.

1 | Designation of Apparent Cause of Occurrence: The apparent cause of this occurrence is a component failure of the motor on the pump. These motors have been drawing excessive current and failing at the high ambient temperatures.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. The other post-accident radiation monitor, RE 5030, was operable during the period that RE 5029 was inoperable.

Corrective Action: Under Maintenance Work Order 78-2139 and 78-2167 new bearings and a new solenoid valve were installed. The unit from the Action Statement of Technical Specification 3.3.3.6 after completion of Surveillance Test ST 5032.01, "Monthly Functional Test of the Radiation Monitoring System", at 0145 hours on September 16.

1 | Facility Change Request (FCR) 78-159 has been implemented to replace the inboard and outboard pump motor bearings with Fafnir #203PP and #205PP bearings. These bearings were packed with a grease which has a higher temperature rating. In addition, the speed of the pumps in RE 5029 and RE 5030 was reduced as a result of FCR 78-521. This change will reduce the motor load and consequently decrease the pump wear and internal heating.

Failure Data: There have been numerous component failures of the Radiation Monitors, however, those pertaining to motor related failures include NP-33-78-30, NP-33-78-77 and NP-33-78-105.