

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | 0HDBS1 | 200-0000-0000 | 3411111 | 4 | 5

8 9      14 15      25 26      30 57 CAT 58

CONT  
C 1 | REPORT SOURCE L | 05000346 | 7080978 | 8080481 | 9

7 8      60 61      66 69      74 75      80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | (NP-33-78-105) At 0245 hours on 8/9/78 while performing surveillance testing, opera-

03 | tions personnel discovered that the pump for RE 5030 was inoperable. This placed the

04 | unit in the action statement of T.S. 3.3.3.6. There was no danger to the health and

05 | safety of the public or unit personnel. This instrument does not control any equipment;

06 | but is used for monitoring purposes only. The other containment post-accident radia-

07 | tion monitor, RE 5029, was operable during the period that RE 5030 was inoperable.

09 | SYSTEM CODE BB 11 | CAUSE CODE E 12 | CAUSE SUBCODE B 13 | COMPONENT CODE MOTORX 14 | COMP. SUBCODE Z 15 | VALVE SUBCODE Z 16

9 10      11 12      12 13      18      19 20

17 | LER/RO REPORT NUMBER 78 | EVENT YEAR 78 | SEQUENTIAL REPORT NO. 089 | OCCURRENCE CODE 03 | REPORT TYPE X | REVISION NO. 1

21 22      23      24 26      27      28 29      30 31      32

ACTION TAKEN A 18 | FUTURE ACTION X 19 | EFFECT ON PLANT Z 20 | SHUTDOWN METHOD Z 21 | HOURS 0000 22 | ATTACHMENT SUBMITTED Y 23 | NPRD-4 FORM SUB. Y 24 | PRIME COMP. SUPPLIER A 25 | COMPONENT MANUFACTURER R165 26

33 34      35      36      37      40 41      42      43      44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The cause of the occurrence was attributed to a component failure of the motor on the

11 | pump. These motors have been drawing excessive current and failing at the high ambient

12 | temperature. The motor was replaced on the post-accident radiation monitor RE 5030.

13 | FCRs 78-159 and 78-521 have been implemented to replace the bearings and reduce the

14 | speed of the pumps in the radiation monitors, respectively.

15 | FACILITY STATUS E 28 | % POWER 039 29 | OTHER STATUS NA 30 | METHOD OF DISCOVERY B 31 | DISCOVERY DESCRIPTION Surveillance Test ST 5099.05 32

7 8 9      10 12 13      44      45 46      80

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

7 8 9      10 11      44      45      80

17 | PERSONNEL EXPOSURES NUMBER 000 37 | TYPE Z 38 | DESCRIPTION NA 39

7 8 9      11 12 13      80

18 | PERSONNEL INJURIES NUMBER 000 40 | DESCRIPTION NA 41

7 8 9      11 12      80

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 | DESCRIPTION NA 43

7 8 9      10      80

20 | PUBLICITY ISSUED IN 1 44 | DESCRIPTION NA 45

7 8 9      10      80

TOLEDO EDISON COMPANY  
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION  
SUPPLEMENTAL INFORMATION FOR IER NP-33-78-105

DATE OF EVENT: August 9, 1978

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Post-Accident Radiation Monitor RE 5030  
Declared Inoperable on August 9, 1978.

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT)  
= 1083, and Load (MWE) = 343

Description of Occurrence: At 0245 hours on August 9, 1978, while performing Surveillance Test ST 5099.05, "Shift Channel Check of the Radiation Monitoring System", operations personnel discovered that pump for RE 5030 was inoperable. This placed the unit in the action statement of Technical Specification 3.3.3.6 which requires the post accident monitoring instrumentation channels to be operable while the unit is in Modes 1, 2 or 3. This action statement requires the inoperable instrument to be restored within 30 days or the unit must be placed in Hot Shutdown within the next twelve hours.

Designation of Apparent Cause of Occurrence: The cause of the occurrence on August 9 was attributed to a component failure of the motor on the pump. These motors have been drawing excessive current and failing at the high ambient temperature.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit 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 5029 was operable during the period that RE 5030 was inoperable.

Corrective Action: Under Maintenance Work Order 78-2006, the motor was replaced on the post-accident radiation monitor RE 5030. On August 11, 1978, at 2350 hours, Surveillance Test ST 5032.01, "Radiation Monitor Functional Test" was completed, and the post-accident radiation monitor declared operable, removing the unit from the action statement of Technical Specification 3.3.3.6.

1 | Facility Change Requests (FCR) 78-159 and 78-521 have been implemented as corrective action to the motor failure of the Radiation Monitors. Under FCR 78-159, the inboard and outboard pump motor bearings were replaced with Fafnir #203PP and #205PP sealed bearings. These bearings were packed with a grease which has a higher temperature rating. 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.

1 | Failure Data: There have been numerous component failures of the radiation monitors, however, those pertaining to motor related failures include NP-33-78-30 and NP-33-78-77.