NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | O H D B S 1 (2) | Ø Ø - Ø Ø N P F - Ø 3 (3) | 4 | 1 1 1 1 (4) | (5)

LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T

0 1 | REPORT SOURCE L (6) | Ø 5 Ø - Ø 3 4 6 (7) | 1 2 3 Ø 7 8 (8) | Ø 1 2 6 7 9 (9)

DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On December 30, 1978, an asymmetric rod indication was received for Control Rod 4 of

0 3 | Group 5. T.S. 3.1.3.3 requires that all absolute position indicator (API) channels

0 4 | be operable in Modes 1 and 2. The unit was in Mode 3 at the time of the occurrence.

0 5 | API for all other rods in Group 5 was operable during the period that the API for Rod

0 6 | 4 of Group 5 was inoperable. Relative position indication for Rod 4 of Group 5 was

0 7 | also operable. (NP-33-78-149)

0 8 |

0 9 | SYSTEM CODE: R B (11) | CAUSE CODE: E (12) | CAUSE SUBCODE: E (13) | COMPONENT CODE: I N S T R U (14) | COMP. SUBCODE: E (15) | VALVE SUBCODE: Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 7 8 | SEQUENTIAL REPORT NO. 1 2 7 | OCCURRENCE CODE: Ø 3 | REPORT TYPE: L | REVISION NO.: Ø

ACTION TAKEN: B (18) | FUTURE ACTION: Z (19) | EFFECT ON PLANT: Z (20) | SHUTDOWN METHOD: Z (21) | HOURS (22): Ø Ø Ø Ø | ATTACHMENT SUBMITTED: Y (23) | NPRD-4 FORM SUB.: N (24) | PRIME COMP. SUPPLIER: N (25) | COMPONENT MANUFACTURER: Z Z Z Z (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The amplifier module was bench checked and re-installed. An asymmetric fault alarm

1 1 | did not reappear. It is suspected that the cause of the occurrence was dirty contacts

1 2 | on the module, and that its removal and insertion caused enough abrasion to remove the

1 3 | dirt. Since there have been no previous occurrences of inoperable APIs due to dirty

1 4 | contacts, no corrective action other than continuing to monitor the problem will be taken.

1 5 | FACILITY STATUS: G (28) | % POWER: Ø Ø Ø (29) | OTHER STATUS (30): NA | METHOD OF DISCOVERY: A (31) | DISCOVERY DESCRIPTION (32): NA

1 6 | ACTIVITY RELEASED: Z (33) | CONTENT OF RELEASE: Z (34) | AMOUNT OF ACTIVITY (35): NA | LOCATION OF RELEASE (36): NA

1 7 | PERSONNEL EXPOSURES — NUMBER: Ø Ø Ø (37) | TYPE: Z (38) | DESCRIPTION (39): NA

1 8 | PERSONNEL INJURIES — NUMBER: Ø Ø Ø (40) | DESCRIPTION (41): NA

1 9 | LOSS OF OR DAMAGE TO FACILITY — TYPE: Z (42) | DESCRIPTION: NA (43)

2 0 | PUBLICITY — ISSUED: N (44) | DESCRIPTION (45): NA | NRC USE ONLY

7 9 0 2 0 2 0 1 8 2

DVR 78-195 NAME OF PREPARER: Susan A. Kovach PHONE: 419-259-5000, Ext. 230

GPO 917-926

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-78-149

DATE OF OCCURRENCE: December 30, 1978

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: The Absolute Position Indication for Group 5, Rod 4 was inoperable

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

Description of Occurrence: At 0200 hours on December 30, 1978, an asymmetric rod indication was received for Control Rod 4 of Group 5. Technical Specification 3.1.3.3 requires that all absolute position indicator (API) channels be operable and capable of determining control rod positions within $\pm$ 6.5%. The unit was not placed in any Action Statement since the Technical Specification is applicable in Modes 1 and 2, and the unit was in Mode 3 at the time of the occurrence. This report is being submitted as documentation of a component failure.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was initially suspected to have been a faulty API amplifier module. The module was bench checked, however, and no problems were found. The cause is now thought to have been dirty contacts on the module.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. Absolute position indication for all other rods in Group 5 was operable during the period that the API for Rod 4 of Group 5 was inoperable. Relative position indication for Rod 4 of Group 5, as well as for all other rods in this group, was also operable during this time.

Corrective Action: Under Work Request IC-3513, Instrument and Control personnel bench checked and re-installed the amplifier module. An asymmetric fault alarm did not reappear. It is suspected that the cause of the occurrence was dirty contacts on the module, and that its removal and insertion caused enough abrasion to remove the dirt.

Since there have been no previous occurrences of inoperable APIs due to dirty contacts, no corrective action other than continuing to monitor this problem will be taken. Should this problem become repetitive, further investigation will be carried out.

Failure Data: There have been no previously reported similar occurrences.