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REPORT SOURCE

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On July 8, 1979 at 1315 hours, it was observed that the position indication on Rod 2 of Group 8 was inoperable. The action statement of Technical Specification 3.1.3.3 was not applicable as the unit was in Mode 3 at the time of this occurrence. This report is being submitted to document a component failure. There was no danger to the health and safety of the public or station personnel. The unit was shutdown, and the relative position and zone reference indications were operable. (NP-33-79-90)

SYSTEM CODE R B 11		CAUSE CODE E 12		CAUSE SUBCODE A 13		COMPONENT CODE I N S T R 14		COMPR. SUBCODE E 15		VALVE SUBCODE Z 16	
EVENT YEAR 7 9 21 22		SEQUENTIAL REPORT NO. 0 7 2 23 24 25 26		OCCURRENCE CODE 0 3 27 28 29		REPORT TYPE L 30		REVISION NO. 0 31 32		COMPONENT NAME/FAULT/REASON D 1 3 9 43 44 45	
ACTION TAKEN C 18		FUTURE ACTION X 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22 37 38 39 40		ATTACHMENT SUBMITTED Y 23	
SPRD-4 FORMULA N 24		PRIME COMP. SUPPLIER Z 25		CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 41 42 43 44 45 46							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The exact cause is not known; the apparent cause is component failure of a reed switch

1 1 within the position indicator tube. The tube is being returned to the vendor for

1 2 final determination of the cause of failure. The position indicator tube was replaced

1 3 and tested per Surveillance Test ST 5C13.03. The rod and position indicator were

1 4 returned to operability on July 10, 1979.

8 9
FACILITY STATUS (28) % POWER (29) OTHER STATUS (30) METHOD OF DISCOVERY (31) DISCOVERY DESCRIPTION (32)

1 5 C 28 0 0 0 29 NA A 31 Operator observation

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

ACTIVITY CODE (33) RELEASED OF (34) AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z 33 Z 34 NA NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

PERSONNEL EXPOSURES NUMBER (37) TYPE (38) DESCRIPTION (39)

1 7 0 0 0 37 Z 38 NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

PERSONNEL INJURIES NUMBER (40) DESCRIPTION (41)

1 8 0 0 0 40 NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

LOSS OF OR DAMAGE TO FACILITY TYPE (42) DESCRIPTION (43)

1 9 Z 42 NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

PUBLICITY ISSUED (44) DESCRIPTION (45)

2 0 N 44 NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

7908060450 516 004 NRC USE ONLY

DVR 79-109

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1000

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-90

DATE OF EVENT: July 8, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Position Indication for Rod 2 of Group 8 Inoperable

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

Description of Occurrence: On July 8, 1979 at 1315 hours, it was discovered that the position indication on Rod 2 of Group 8 was inoperable. The action statement of Technical Specification 3.1.3.3 (which requires that all safety regulating and axial power shaping control rods absolute position indication channels shall be operable and capable of determining the control rod positions within $\pm 5\%$) was not applicable, as the unit was in Mode 3 at the time of this occurrence.

This report is being submitted as documentation of a component failure.

Designation of Apparent Cause of Occurrence: The apparent cause of the occurrence has not been specifically found. The most likely cause is that of a faulty reed switch within the position indicator tube (component failure). This caused fluctuations of the absolute position indication signal for the rod.

The position indicator will be returned to the vendor for final determination of cause of failure.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The unit was shutdown in hot standby, and the relative position and zone reference indications for the rod, were operable.

Corrective Action: On July 8, 1979, the position indicator tube for Rod 2 of Group 8 was replaced with a rebuilt spare per Maintenance Work Order 79-2459 and tested per system Surveillance Test ST 5013.03, "Control Rod Program Verification Test". The rod and position indicator were returned to operation on July 10, 1979.

Failure Data: There have been several previously reported position indicator failures due to component failure of the position indicator tube in Licensee Event Reports NP-33-78-02, NP-33-78-135, and NP-33-78-144.

LER #79-072

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