U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1	LICENSEE CODE	LICENSE NUMBER	LICENSE TYPE	CAT
	O H D B S 1 (2)	Ø Ø - Ø Ø Ø Ø Ø - Ø Ø (3)	4 1 1 1 1 (4)	(5)

CON'T 0 1	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
	L (6)	Ø 5 Ø Ø Ø 3 4 6 (7)	Ø 8 1 9 8 1 (8)	Ø 9 1 5 8 1 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

(NP-33-81-59) At 1805 hours upon completion of ST 5030.17, it was noted that when the intermediate range test module was returned to "test operate" and "operate" positions that the logarithmic amplifier indication remained pegged high. NI-4 was declared inoperable, however, power operation continued per Technical Specification 3.3.1.1 and Table 3.3-1. There was no danger to the health and safety of the public or station personnel. The redundant intermediate logarithmic amplifier was in operation during this period.

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

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 1	—	Ø 4 9	/	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)	N (25)	B Ø 4 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause was a component failure on board PC-1, the first stage log driver of the low level amplifier assembly of the logarithmic amplifier. On 8/24/81 at 1515 hours, a new logarithmic amplifier was installed in the system, tested, and the channel returned to service. The log amplifier assembly will be returned to Bailey for repair and evaluation.

1 5	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	1 Ø Ø (29)	NA	B (31)	Surveillance Test ST 5030.12

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

PERSONNEL EXPOSURES

1 7	NUMBER	TYPE	DESCRIPTION (39)
	Ø Ø Ø (37)	Z (38)	NA

PERSONNEL INJURIES

1 8	NUMBER	DESCRIPTION (41)
	Ø Ø Ø (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE	DESCRIPTION
	Z (42)	NA

PUBLICITY

2 0	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	NA	

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DVR 81-118 NAME OF PREPARER Robert Whitsell PHONE: (419) 259-5000, Ext. 235

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-79

DATE OF EVENT: August 19, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Reactor Protection System (RPS) Channel 3 intermediate range indication "pegged high" when returning channel to operate following performance of Surveillance Test ST 5030.17, Intermediate Range Pre-Startup Functional Test

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2769 and Load (Gross MWE) = 906

Description of Occurrence: On August 19, 1981 at 1805 hours upon completion of Surveillance Test ST 5030.17, it was noted that when the intermediate range test module was returned to test operate and operate positions, that the logarithmic amplifier indication remained off-scale high instead of reading 10-4 amps as it had prior to the test.

A test deficiency list was completed and NI-4 was declared inoperable. Per Technical Specification 3.3.1.1 and Table 3.3-1, power operation was permitted to continue as reactor power was greater than 5% at the time.

Designation of Apparent Cause of Occurrence: The "pegged high" indication was caused by component failure on board PC 1, first stage logarithmic driver of low level amplifier assembly of the logarithmic amplifier. The low level amplifier is a canned unit and exact component failure not determined. The log amplifier assembly will be returned to Bailey for repair and evaluation.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The redundant intermediate logarithmic amplifier (Channel 4) was in operation during this period to provide indication which is the function of the logarithmic amplifier. As the plant was greater than 5% power, the four power range instruments were providing protective actions and indications and the intermediate ranges were acting as backup indication.

Corrective Action: On August 20, 1981, Maintenance Work Order IC-567-81 was issued to troubleshoot and repair NI-4. At 1515 hours on August 24, 1981, a new logarithmic amplifier which had been calibrated per Bailey instruction E92-314 was installed in the system, tested, and the channel returned to service.

Failure Data: There have been no previously reportable occurrences of intermediate range logarithmic amplifier tailing off-scale high.

LER #81-049