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

01 | 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 7-14; LICENSE NUMBER 15-25; LICENSE TYPE 26-30; CAT 57-58

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

DOCKET NUMBER 61-68; EVENT DATE 69-74; REPORT DATE 75-80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On June 12, 1978, a review of the Safety Features Actuation System 18 Month Test,
03 ST 5031.07 found that the voltage and time delay setpoints of the essential bus under-
04 voltage trip relays were incorrect and the monthly functional test was not being per-
05 formed. The provisions of Technical Specification 3.3.2.1 did not apply as the unit
06 was in Mode 6. This event is being reported in accordance with Technical Specifica-
07 tion 6.9.1.8f. (NP-32-78-07)
08

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
E E (11)	D (12)	Z (13)	R E L A Y X (14)	J (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 8	—	Ø 6 1	/	Ø 1	T	—	Ø

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
E (18)	Z (19)	Z (20)	Z (21)	Ø Ø Ø Ø	Y (23)	Y (24)	A (25)	I 2 Ø 2

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Facility Change Request 77-430 was immediately issued for implementation to adjust
11 the time delay and voltage setpoints. One relay was found to be defective and was
12 replaced. The relay settings were changed to comply with Technical Specification
13 requirements. A new surveillance test procedure will be prepared to assure the
14 monthly functional test is completed when the unit is in the applicable modes.

FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
G (28)	Ø Ø Ø (29)	NA	B (31)	Surveillance Test ST 5031.07

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

NUMBER	DESCRIPTION (41)
Ø Ø Ø (40)	NA

EXHIBIT 1
page 2 of 3

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE	DESCRIPTION
Z (42)	NA

PUBLICITY

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

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78-101

NAME OF PREPARER Tom Beeler/Dave Karoly PHONE: 419-259-5000, Ext. 253

TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION
SUPPLEMENTAL INFORMATION FOR LER NP-32-78-07

DATE OF EVENT: June 12, 1978

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Incorrect setpoints on essential bus undervoltage relays

Conditions Prior to Occurrence: The unit was in Mode 6 with Power (MWT) = 0, and Load (MWE) = 0.

Description of Occurrence: On June 12, 1978, during the Station Review Board review of the "Safety Features Actuation System (SFAS) 18 Month Test", ST 5031.07, it was found that the time delay setpoints of the essential bus undervoltage relays were incorrect and that the monthly channel functional test was not being performed.

The initial investigation showed the Facility Change Request (FCR) 77-217 which was implemented on October 4, 1977, called for the time delay to be set at 9 seconds. FCR 77-430 was prepared on October 28, 1977, to correct the setpoints to 7 $\pm$ 1.5 seconds, but had not yet been issued for implementation on June 12, 1978.

This occurrence is being reported in accordance with the provisions of Technical Specification 6.9.1.8f.

Designation of Apparent Cause of Occurrence: The cause of this occurrence is procedure inadequacy.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. The intent of the 7 $\pm$ 1.5 second time delay setpoint is to ensure that a bus trip will occur in 9 seconds after the bus voltage degrades to less than 90% of the normal voltage. The average time delay setting of the relays was found to be 8.99 seconds.

Corrective Action: FCR 77-430 was immediately implemented and at that time it was also found that the voltage setpoints were incorrectly set to a maximum of 2.5% less than the technical specification minimum. One relay was found to be defective and was replaced. The time delay and voltage setpoints were adjusted to values in compliance with Table 3.3-4 of Technical Specification 3.3.2.1. A modification (T-2870) was prepared for a test to be performed in conjunction with ST 5031.07 to satisfy the monthly functional check. A new surveillance test procedure will be written to assure the monthly functional test is completed when the unit is in the applicable modes. This work was completed on June 15, 1978 under Maintenance Work Order 78-1397.

Failure Data: This is not a repetitive occurrence.