

LICENSEE EVENT REPORT

CONTROL BLOCK: 

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 9 O H D B S 1 4 2 15 0 0 - 0 0 N P F - 0 3 25 3 26 1 1 1 1 4 57 CAT 58 5

LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T

0	1
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REPORT SOURCE

L	6	0	5	0	-	0	3	4	6	7	1	1	1	8	7	8	8	1	2	1	3	7	8	9
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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

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0 2 On 11/18/78 the unit computer became inoperable rendering the axial power imbalance,

0 3 regulating rod insertion limit and quadrant power tilt alarms inoperable. Tech Spec

0 4 3.1.3.6, 3.2.1, and 3.2.4 require increased manual surveillance when these alarms are

0 5 inoperable. Personnel failed to calculate the axial power imbalance within an hour

0 6 as required by 4.2.1. The computer was returned to service in 69 minutes at which

0 7 time no axial power imbalance alarm condition existed. (NP-33-78-136)

03		7		8		9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE						COMP. SUBCODE		VALVE SUBCODE					
I		F		11		A		12		A		13		Z						Z		15		Z		16	
0		7		8		9		10		11		12		13		18						19		20		21	
17		LE/RO REPORT NUMBER		EVENT YEAR		23		24		25		26		27		28		29		30		31		32		33	
7		8		21		22		23		24		25		26		27		28		29		30		31		32	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER		23		24		25		26		27	
B		G		Z		Z		22		Y		N		Z		Z		Z		Z		Z		Z		Z	
33		34		35		36		37		40		42		43		44		45		46		47		48		49	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS		27		28		29		30		31		32		33		34		35		36		37		38		39	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The apparent cause of this occurrence is attributed to personnel error. The Shift

1 1 Foreman failed to follow the instructions which specified the action to be taken in

1 2 the event that the computer is inoperable. A modification to the surveillance test

1 3 will be prepared.

1 8 9 FACILITY STATUS 10 11 12 13 % POWER 14 15 16 17 OTHER STATUS (30) 18 19 20 21 22 23 24 25 26 27 28 29 NA 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

1 5 E (28) 1 0 0 (29) NA 44 45 46 NA 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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

1 6 Z (33) 1 0 0 (34) NA 44 45 46 NA 47 48 49 50 51 52 53 54 55 56 57 58 59 60

METHOD OF DISCOVERY (31) NA 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

DISCOVERY DESCRIPTION (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

LOCATION OF RELEASE (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		TYPE		DESCRIPTION	
NUMBER					
1	7	0	0	0	NA

PERSONNEL INJURIES	
NUMBER	DESCRIPTION
01	NA

7	8	9	11	12
LOSS OF OR DAMAGE TO FACILITY (43)				
TYPE		DESCRIPTION		
1	21		NA	

7 8 9 10

PUBLICITY (42)

ISSUED DESCRIPTION (45)

NRC USE ONLY

2 0 N 44 NA 68 69  
7 8 9 10 7812190 116 Jim Zell  
sup 38-174 PHONE: 419-259-5000, Ext. 276

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TOLEDO EDISON COMPANY  
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION  
SUPPLEMENTAL INFORMATION FOR LER NP-33-78-136

DATE OF EVENT: November 18, 1978

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Required surveillance to verify the axial power imbalance was not performed.

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2761, and Load (MWE) = 922.

Description of Occurrence: On November 18, 1978 at 1959 hours, the unit computer became inoperable due to an electrical malfunction, rendering the axial power imbalance, regulating rod insertion limit and quadrant power tilt alarms inoperable. Technical Specifications 3.1.3.7, 3.2.1 and 3.2.4 require increased manual surveillance of axial power imbalance, regulating rod insertion limits, and quadrant power tilt measurements when their alarms are inoperable. During the time the computer was out of service, personnel failed to calculate the axial power imbalance within an hour as required by Surveillance Requirement 4.2.1. The regulating rod insertion limit and quadrant power tilt measurements were not required to be performed since the computer was returned to service before the increased manual surveillance was required.

Designation of Apparent Cause of Occurrence: The apparent cause of this occurrence is attributed to personnel error. The Shift Foreman failed to follow the instructions contained in Special Order 7, which specified the action to be taken by operations personnel in the event the computer calculated imbalance is inoperable.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. The computer was returned to service in 69 minutes at which time no axial power imbalance alarm condition existed.

Corrective Action: At 2108 hours on November 18, 1978, Instrument and Control personnel returned the computer to service which restored the alarms. A modification to Surveillance Test, ST 5020.01, "Axial Power Imbalance Manual Calculation" will be prepared to explain that Special Order 7 should be consulted if the situation arises while no Instrument and Control personnel are available. The failure to follow the special order was discussed with the Shift Foreman involved.

Failure Data: There have been previous occasions where surveillance requirements have not been met due to personnel error, but not directly related to axial power imbalance alarm inoperability requirements.