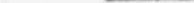


LICENSEE EVENT REPORT

CONTROL BLOCK: 

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	0	H	D	B	S	1	2											3	4	1	1	1	1	4			5	
7	8	9	LICENSEE CODE					14	15	LICENSE NUMBER										25	26	LICENSE TYPE				30	57	CAT	58

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REPORT SOURCE: 01 L 6 0 5 0 - 0 3 4 6 7 1 2 0 5 8 0 8 0 1 0 2 8 1 9
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | (NP-33-80-115) On 12/5/80 at 1730 hours during surveillance testing, the setpoint for

0 3 | the Borated Water Storage Tank low level bistable BA312 was found out of tolerance.

0 4 | On 12/6/80 at 0750 hours during testing, the setpoint for the containment pressure

0 5 | bistable BA309 was also found out of tolerance. Both occurrences placed the unit in

0 6 | Action Statement 9 of Technical Specification 3.3.2.1. There was no danger to the

0 7 | health and safety of the public or station personnel. The remaining three Safety

0 8 | Features Actuation System channels were operable.

0 9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE						COMP. SUBCODE		VALVE SUBCODE								
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23								
[0][9]		[I][B]	[E]	[E]	[I][N][S][T][R][U]						[S]	[Z]	LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.	
[0][9]		[I][B]	[E]	[E]	[I][N][S][T][R][U]						[S]	[Z]	[17]		[8][0]	[—]	[0][9][0]	[/]	[0][3]	[L]	[—]	[1]		
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER								
[E]		[Z]		[Z]		[Z]		[0][0][0][0]		[Y]		[Y]		[A]		[C][5][6][0]								
18		19		20		21		22		23		24		25		26								

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause of these occurrences can be attributed to a component failure. The bistables
1 1 | are subject to instrument drift. Upon finding BA312 and BA309 out of calibration,
1 2 | they were immediately recalibrated as per the test (ST 5031.01) procedure to within
1 3 | the technical specification limit. The voltage between common and ground will be
1 4 | checked on a monthly basis to ensure an AC voltage does not go undetected.

7	8	9	FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
1	5	C	28	0	0	0	29	NA	30	B	31	Surveillance Test ST 5031.01																		32																						
7	8	9	ACTIVITY CONTENT										AMOUNT OF ACTIVITY										LOCATION OF RELEASE																													
1	6	Z	33	Z	34	NA	35	NA	36																																											
7	8	9	PERSONNEL EXPOSURES										DESCRIPTION																																							
1	7	0	0	37	Z	38	NA	39																																												
7	8	9	PERSONNEL INJURIES										DESCRIPTION																																							
1	8	0	0	40	NA	41																																														
7	8	9	LOSS OF OR DAMAGE TO FACILITY										DESCRIPTION																																							
1	9	Z	42	NA	43																																															

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026-119 0326

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-80-115

DATE OF EVENT: December 5, 1980

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Safety Features Actuation System (SFAS) Bistables
Out of the Technical Specification Allowable Value

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

Description of Occurrence: On December 5, 1980 at 1730 hours during the performance
of the SFAS Monthly Test, ST 5031.01 on SFAS Channel 3, the setpoint for the Borated
Water Storage Tank (BWST) low level bistable (BA 312) was found to be out of toler-
ance. The bistable as found value was 0.552 V and the allowable value is less than
or equal to 0.551 V.

On December 6, 1980 at 0750 hours, ST 5031.01 was performed on SFAS Channel 3 to
verify operability after troubleshooting to find the cause of the 120 VAC potential
between power supply common and ground (see Licensee Event Report NP-33-80-113). The
containment pressure 38.4 psia bistable (BA 309) was found out of tolerance. The
bistable as found value was 1.428 V and the allowable value is less than or equal to
1.427 V.

See attached tables for additional information.

Both occurrences placed the unit in Action Statement 9 of Technical Specification
3.3.2.1. The action statement requires the inoperable channel to be placed in the
tripped condition within one hour. Both bistables were immediately recalibrated per
the test procedure (ST 5031.01), removing the station from the action statement.

Designation of Apparent Cause of Occurrence: The cause of these occurrences can be
attributed to a component failure. The bistables are subject to instrument drift.
The instrument drift was probably aggravated by the 120 VAC problem on the cabinet
common.

Analysis of Occurrence: There was no danger to the health and safety of the public
or to station personnel. The remaining three SFAS Channels were operable and capable
of performing their designed function.

Corrective Action: Upon finding the BWST level bistable BA 312 and the containment
pressure bistable BA 309 out of calibration they were immediately recalibrated as per
the test (ST 5030.01) procedure to within the Technical Specification limits.

To be sure that an AC voltage on common does not exist for an extended period of time
the voltage between common and ground will be checked on a monthly basis per
ST 5031.01, SFAS Monthly Test.

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-80-115

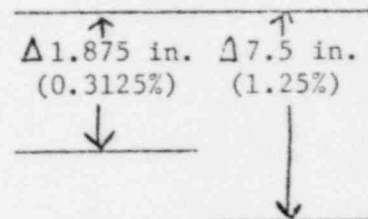
PAGE 2

Failure Data: There have been three previous similar occurrences of bistable drift, see Licensee Event Reports NP-33-78-84 (78-070), NP-33-78-140 (78-119) and NP-33-79-50 (79-045).

LER #80-090

CONTAINMENT PRESSURE BA 309 (After 120 VAC Removed)

	<u>Pressure (psia)</u>	<u>Volts (1)</u>
Full Range	60	2.00
As Found	38.55	1.428
Allowable Value (TS)	≤ 38.52	1.427
Trip Setpoint	≤ 38.4	1.425
Trip Setpoint	≥ 37.65	1.404
Zero	0	0.4

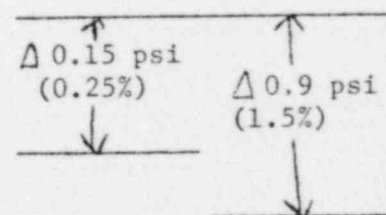


Worst case drift 1.5%

$$(1) V = \left(\frac{\text{psia}}{60} \times 1.6 \right) + 0.4$$

BWST LEVEL (BA 312) (With 120 VAC on Common)

	<u>Level (inches)</u>	<u>Volts (1)</u>
Full Range	600	2.00
As Found	57	0.552
Allowable Value (TS)	≤ 56.7	0.551
Trip Setpoint	≤ 55.0	0.547
Trip Setpoint	≥ 49.5	0.532
Allowable Value (TS)	≥ 48.3	0.529
Zero	0	0.4



Worst case drift 1.25% of full scale

$$(1) V = \left(\frac{\text{level (in)}}{600} \times 1.6 \right) + 0.4$$