

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 8 9 O H D B S 1 2 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

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T

CONT

0	1
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REPORT SOURCE

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

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On December 21, 1979, it was discovered that there was insufficient clearance between

0 3 the Reactor Coolant System (RCS) hot leg and some of the shims of the pipe whip res-

0 4 traints. On December 27, 1979, it was determined that this was in conflict with an

0 5 assumption of the RCS piping seismic analysis, that there be no contact between the RCS

0 6 hot leg piping and the whip restraints. This became immediately reportable under T.S.

0 7 6.9.1.8.h. There was no danger to the health and safety of the public or station per-

0 8 sonnel. These restraints do not affect normal operation. (NP-32-79-14)

7 2 5 9 COMP. VALVE

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE					
C	B	B		A		S	U	P	O	R	T	X	Z				
9	10	11	12	13	14	15	16	17	18	19	20	21	22				
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
7	9	1	3	0	0	3	L	0									
21	22	23	24	25	26	27	28	29									
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
F	Z	Z	Z	0	0	0	0	Y	N	A	B	1	3	0			
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47		

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (2)

1	0	The cause of the occurrence was an architectural design error by Bechtel. They were
1	1	discovered by TEGo personnel while performing RCS hot leg RTD modification work. Under
1	2	Facility Change Request 79-441, Supplement 1, pipe whip restraints R1 and R4 were
1	3	modified by removing shim packs from the shims. R3 had the shim completely removed.
1	4	The work was completed by 1600 hours on December 29, 1979.

80

7 8 9 FACILITY STATUS (30) METHOD OF DISCOVERY (32) DISCOVERY DESCRIPTION (32)

1 5 G (28) % POWER (29) NA B (31) during FCR implementation 80

7 8 9 ACTIVITY CONTENT (35) LOCATION OF RELEASE (36)

1 6 Z (33) Z (34) NA NA 80

PERSONNEL EXPOSURES										DESCRIPTION	
NUMBER			TYPE								
1	7	0	0	0	37	Z	35	NA			

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	NA

POOR ORIGINAL

7 8 9 11 12
LOSS OF OR DAMAGE TO FACILITY (43)
TYPE DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12
1 2 3 4 5 6 7 8 9 10 11 12

1 9 2 42 NA
7 8 9 10
PUBLICITY
ISSUED DESCRIPTION 45
8001140 320
NRC USE ONLY

2 0 N (44) NA 68 69 80
7 8 9 10
410-250-5000 Ext. 29

1738 026

~~POOR ORIGINAL~~

8001140 320

NRC USE ONLY

419-259-5000, Ext. 293

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-32-79-14

DATE OF EVENT: December 27, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: A conflict between an assumption in the Reactor Coolant System (RCS) piping seismic analysis and some pipe whip restraints

Conditions Prior to Occurrence: On December 21, 1979, while performing modification work on the RCS hotleg, it was discovered there was no clearance between the hot leg and some of the shims of the pipe whip restraints. On December 27, 1979, it was determined that this was in conflict with the RCS piping seismic analysis assumptions, that there would be no contact between the hot leg piping and the pipe whip restraints during a seismic event. This became immediately reportable under Technical Specification 6.9.1.8.h as a condition which conflicts with an assumption of an accident analysis. Being in cold shutdown (Mode 5), the unit remained down until corrections were made.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was an architectural design error by Bechtel. These errors were discovered while performing RCS hot leg resistance temperature detector (RTD) modification work. These original design errors were random and not due to any general deficiency in the original design method.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. These whip restraints are not required for normal system performance.

Corrective Action: Under Facility Change Request 79-441, Supplement 1, pipe whip restraints R1 and R4 were modified by removing shim packs from the shims. R3 was modified by removing the shim completely. All affected whip restraint modifications were completed by 1600 hours on December 29, 1979, prior to returning the unit to operation.

Failure Data: There were no previously reported conflicts between the pipe whip restraints and the assumptions of the seismic analysis.

LER #79-130

1738 027