

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

CONFIDENTIAL

REPORT SOURCE: L 6 0 5 0 0 0 3 4 6 7 1 0 1 0 8 1 8 1 1 0 9 8 1 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 (NP-33-81-73) On 10/10/81 at 1815 hours, one AC input breaker and both local pump con-  
0 3 trol breakers for Containment H<sub>2</sub> Analyzer 1-2 (AI 5028) were found open. This condi-  
0 4 tion was found by the Assistant Shift Supervisor while restoring power to pump "A"  
0 5 which had recently been replaced. With H<sub>2</sub> Analyzer 1-2 inoperable, the station en-  
0 6 tered the action statements of T.S. 3.6.4.1 and 3.3.3.6a. There was no danger to the  
0 7 health and safety of the public or station personnel. Containment H<sub>2</sub> Analyzer 1-1 was  
operable at all times.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE								
S	E	B		B		C	K	T	B	R	K	A	Z							
9	10	11	12	12	13	13	14	15	16	17	18	19	20							
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.												
8	1		0	6	3		0	3	L		0									
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				
X	X		Z		Z		0	0	0	Y		N		Z		Z	9	9	9	9
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause was a design error. The pushbuttons on the breakers protrude into cramped

1 1 working quarters within the cabinet which houses the H<sub>2</sub> Analyzer pumps. Inadvertent

1 2 bumping of the breaker switches is highly possible when working within the cabinet re-

1 3 placing a pump. A sign has been placed on the cabinet door instructing that pump indi-

ication should be checked after closing the door.

7 8 9  
FACILITY STATUS (28) 1 5 E  
% POWER 1 0 0 (29) NA  
OTHER STATUS (30)  
METHOD OF DISCOVERY (31) A  
DISCOVERY DESCRIPTION (32) Found by Assistant Shift Supervisor  
80

ACTIVITY CONTENT  
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)

1 6 Z 33 Z 34 NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37) Z	(38) NA			

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
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16	0	0	0
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96	0	0	0
97	0	0	0
98	0	0	0
99	0	0	0
100	0	0	0

7		8		9		10		11		12	
LOSS OF OR DAMAGE TO FACILITY						(43)					
TYPE						DESCRIPTION					
9		Z		(42)		NA					

2 8 9 10  
PUBLICITY  
ISSUED DESCRIPTION (45)  
2 0 N 44 NA  
8111190597 811109  
PDR ADDCK 05000346  
S PDR  
NRC USE ONLY

8111190587 811109  
PDR ADCK 05000346  
S PDR

NRC USE ONLY

PHONE: (419) 259-5000, Ext. 2740

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-73

DATE OF EVENT: October 10, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Containment Hydrogen Analyzer 1-2 pump breakers both discovered open

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2767 and Load (Gross MWE) = 910.

Description of Occurrence: On October 10, 1981 at 1815 hours, one AC input breaker and both local pump control breakers for Containment Hydrogen Analyzer 1-2 (AI 5028) were found to be open. This condition was found by the Assistant Shift Supervisor while restoring power to pump "A" which had been replaced per Maintenance Work Order 81-3106 a short time earlier. With the breaker to both pumps "A" and "B" open, Containment Hydrogen Analyzer 1-2 was inoperable. Containment Hydrogen Analyzer 1-1 (AI 5027) was operable at all times. The station entered the action statements of Technical Specifications 3.6.4.1 and 3.3.3.6a. These technical specifications require two independent containment hydrogen analyzers to be operable. With only one containment hydrogen analyzer operable, after 30 days the station must be in hot standby within 6 hours per Technical Specification 3.6.4.1 and hot shutdown within 12 hours per Technical Specification 3.3.3.6a.

Surveillance Test ST 5065.08, Containment Vessel Atmosphere Hydrogen Analyzer Channel Check, was conducted on October 5, 1981, and both channels were operable at that time. Therefore, the action statements of Technical Specifications 3.6.4.1 and 3.3.3.6a were not violated. No power reductions resulted due to this occurrence.

Designation of Apparent Cause of Occurrence: The cause of this occurrence was a design/fabrication error. Investigation showed that the local pump control breakers were not labeled and were easily tripped. The pushbuttons on the breakers protrude into cramped working quarters within the panel/cabinet (C 2801) which houses the containment vessel hydrogen analyzer pumps. Inadvertent bumping of the breaker switches is highly possible when working within the cabinet replacing a pump. It appears that the control breaker for pump "B" was inadvertently tripped either during pump replacement or when safety tags were being removed following maintenance. Pump "B" had been verified to be operating after pump "A" was taken out of service.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. Containment Hydrogen Analyzer 1-1 was operable at all times. When power was restored by closing the AC breaker and the control breakers for pumps "A" and "B" of Containment Hydrogen Analyzer 1-2, the system functioned properly with both pumps operable.

LER #81-063

Corrective Action: Breaker labels have been installed in Cabinet C3801 as per Work Request 81-1005-18. This should eliminate the possibility of the wrong breaker being opened inadvertently. A permanent sign has been placed on the rear cabinet door of C3801 as per Work Request IC-107-166-81. The sign instructs that the front panel pump indication should be checked after closing the cabinet door. This should bring any accidental opening of the breakers to the attention of the worker/operator.

Failure Data: Previous occurrences of containment hydrogen analyzers being inoperable were not related to this event in any way.

LER #81-063