

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	E	C	P	R	1	2	0	0	-	0	0	0	0	0	-	0	0	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	

CON'T

REPORT SOURCE: 01 L605000298705058380604839

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During performance of Surveillance Procedure 6.3.10.13, SDV Drain Valve, CRD-CV-AOV33.

03 failed to close as required by Technical Specifications 4.3.G.1. Reactor was in cold

04 | shutdown for refueling during the event. This failure is not repetitive. This event

05 had no adverse affect on public health and safety.

06 \_\_\_\_\_

0	7	
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08 |

7 8

SYSTEM CODE

9 10

CAUSE CODE

11

CAUSE SUBCODE

12

13

COMPONENT CODE

14

COMP. SUBCODE

15

16

VALVE SUBCODE

17

(17) LER/RO REPORT NUMBER [ 8 3 ]  
 21 22  
 23  
 SEQUENTIAL REPORT NO. [ 0 0 5 ]  
 24 25 26  
 27  
 OCCURRENCE CODE [ 0 3 ]  
 28 29  
 REPORT TYPE [ L ]  
 30 31  
 32  
 REVISION NO. [ 0 ]  
 32  
 ACTION TAKEN [ A ] (18) FUTURE ACTION [ Z ] (19)  
 33 34 35  
 EFFECT ON PLANT [ Z ] (20)  
 35 36  
 SHUTDOWN METHOD [ Z ] (21)  
 36 37  
 HOURS [ 0 0 0 0 ]  
 37 38 39 40  
 (22)  
 ATTACHMENT SUBMITTED [ N ] (23)  
 41 42  
 (24)  
 NPRD-4 FORM SUB. [ L ] (25)  
 42 43  
 PRIME COMP. SUPPLIER  
 COMPONENT MANUFACTURER [ R 3 4 4 ] (26)  
 44 45 46 47

1 0 CRD-CV-AOV33 is a 2" Rockwell incline stem globe valve. Valve was improperly packed

☐ ☐ With grafoil packing only. During valve operation, packing extruded out of the packing.

1 2 | area and worked between valve stem and body causing it to stick open. Valve was proper-

1 3 ily repacked with rope and grafoil packing. Identical valve on other SDV to be inspected!

1 4 for same problem. Proper operation will be verified prior to start-up.

FACILITY STATUS (28) 1 5 H 7 8 9  
% POWER (29) 0 0 0 10 12 13  
OTHER STATUS (30) NA 44  
METHOD OF DISCOVERY (31) B 45  
DISCOVERY DESCRIPTION (32) Surveillance Procedure 46

ACTIVITY CONTENT  
RELEASED OR RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 2 33 7 34 NA NA

PERSONNEL EXPOSURES		TYPE		DESCRIPTION
NUMBER				
1	2	0	0	0
		(37)	Z	(38) NA

8 9		11 12 13			80
		PERSONNEL INJURIES			
NUMBER		DESCRIPTION (41)			
1	2	0	0	0	(40) NA

1		2		3		4		5		6		7		8		9		10		11		12		13		14		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		60	
LOSS OF OH DAMAGE TO FACILITY (43)																																																																																																																							
TYPE DESCRIPTION																																																																																																																							
1 2 3 4 5 6 7 8 9 10 11 12 13 14 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 60																																																																																																																							
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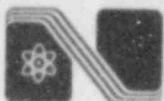
PRIORITY		PUBLICITY		DESCRIPTION		8306130339 830604		NRC USE ONLY	
2	0	N	44	NA	PDR ADOCK 05000298				
					S		PDR		

NAME OF PREPARER Paul L. Ballinger

PHONE 402-825-3811

NRC USE ONLY

8306130339 830604  
PDR ADOCK 05000298  
S PDR

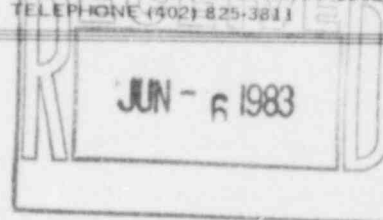


## Nebraska Public Power District

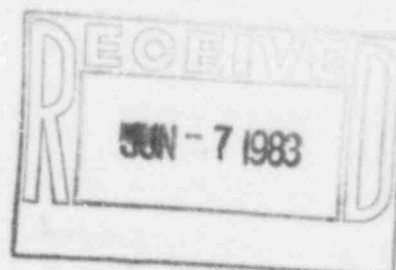
COOPER NUCLEAR STATION  
P.O. BOX 98, BROWNVILLE, NEBRASKA 68321  
TELEPHONE (402) 825-3811

CNSS830363

June 4, 1983



Mr. John T. Collins, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region IV  
611 Ryan Plaza Drive  
Suite 1000  
Arlington, Texas 76011



Dear Sir:

This report is submitted in accordance with Section 6.5.2.B.2 of the Technical Specifications for Cooper Nuclear Station and discusses a reportable occurrence that was discovered on May 5, 1983. A licensee event report form is also enclosed.

Report No.: 50-298-83-05  
Report Date: June 4, 1983  
Occurrence Date: May 5, 1983  
Facility: Cooper Nuclear Station  
Brownville, Nebraska 68321

### Identification of Occurrence:

A condition occurred which resulted in operation in a degraded mode in violation of Section 4.3.G.1 of the Technical Specifications.

### Conditions Prior to Occurrence:

The reactor was in cold shutdown for refueling.

### Description of Occurrence:

During surveillance testing of the scram discharge volume (SDV) vent and drain valves, SDV drain valve, CRD-CV-AOV33, failed to close as required by the Technical Specification.

### Designation of Apparent Cause of Occurrence:

Examination of the valve identified that it was improperly packed, causing the valve to stick when fully open.

### Analysis of Occurrence:

The SDV drain valve is a Rockwell inclined stem globe valve with a Fisher air operator. This valve contained several rings of grafoil packing but contained no standard rope packing. With the rope packing missing and under normal operation of the valve, the grafoil packing extruded out of the valve packing area and into the area between the valve stem and the valve body causing the valve to stick.

JE-22/11

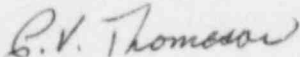
Mr. John T. Collins  
June 4, 1983  
Page 2

The SDV drain valve operated satisfactorily during all previous monthly surveillance tests and during the shutdown on April 30, 1983. During normal operation, failure of the valve to close on a scram would result in discharge of a small amount of coolant through the SDV to the Reactor Building sump. This discharge would stop as soon as the scram is reset and the scram valves close. The SDV drain valve can be manually closed and an in-line manual valve can be closed to stop coolant discharge, if required. This failure would not have affected the insertion of control rods during a scram. This occurrence presented no adverse consequences from the standpoint of public health and safety.

Corrective Action:

The valve was repacked with rope and grafoil packing. An identical valve on the other SDV will be inspected and repacked if necessary. Proper operation of the valves will be verified prior to start-up.

Sincerely,



P. V. Thomason  
Acting Station Superintendent  
Cooper Nuclear Station

PVT:PLB:cg  
Enc.