

REPORT DATE: October 24, 1978

REPORTABLE OCCURRENCE 78-31

ISSUE 0

OCCURRENCE DATE: September 25, 1978

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PORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
P. O. BOX 361
PLATTEVILLE, COLORADO 80651

REPORT NO. 50-267/78-31/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

During routine surveillance testing, it was discovered that one of the heating ventilation and air conditioning (HVAC) dampers for the 480 volt switchgear room would not close. This results in operation under a degraded mode permitted by LCO 4.10.1 and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

On September 25, 1978, during a normal shutdown maintenance period, operating personnel performing routine surveillance testing, found one of the five (5) exhaust isolation dampers for the 480 volt switchgear room would not shut. This is required to be operable per LCO 4.10.1, because of its function as a containment boundary during use of the Halon Fire Suppression System. The surveillance being performed was an annual one and during the surveillance interval, the plant had been at power. Therefore, this is reportable per Ft. St. Vrain Technical Specification AC 7.5.2(b)2.

CAUSE
DESCRIPTION:

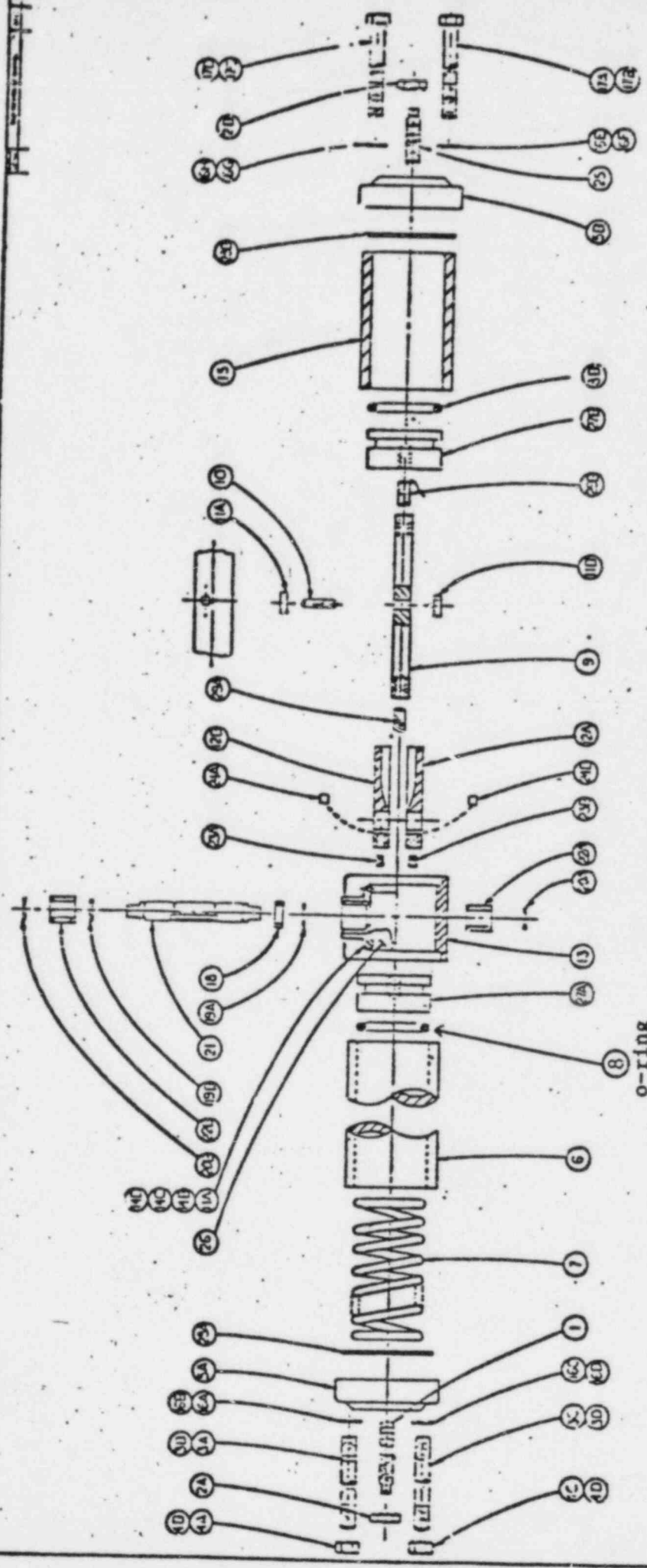
See figure 1. A faulty o-ring in the damper actuator assembly jammed the actuating shaft in place, holding the damper open.

CORRECTIVE
ACTION:

The faulty o-ring was replaced, the damper placed back in service and the surveillance was successfully completed.

No further corrective action is anticipated or required.

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DET NO	QTY	DESCRIPTION	DET NO	QTY	DESCRIPTION
1	1	TRAVEL STOP	15	1	CYLINDER
2	2	TRI SEAL NUT	16	6	LOCK WASHER
3	4	STUD	17	4	HEX HO CAP SCR
4	4	HEX NUT	18	1	SPACER CR CAM
5	2	END PIECE	19	2	SNAP RING
6	1	CYLINDER	20	2	SNAP RING
7	1	SPRING	21	1	SHAFT
8	2	O-RING	22	2	WASHER
9	1	CAP SCR	23	2	SOX HO SFT SCR
10	1	KEY	24	2	KEY
11	2	TRAVEL STOP	25	1	TRAVEL STOP
12	2	NUT	26	2	NUT
13	1	WASHER	27	2	WASHER
14	1	HEX HO CAP SCR	28	2	HEX HO CAP SCR
15	1	CYLINDER	29	2	SOX HO SFT SCR

DISTRIBUTION
 CONTROL CENTER
 171-27-33

Figure 1

Prepared by: Asa Reed Jr.
Asa Reed Jr.
Technical Services Technician

Reviewed by: J. W. Gahm
J. W. Gahm
Technical Services Supervisor

Reviewed by: Frank M. Mathie
Frank M. Mathie
Superintendent Operations

Approved by: Don Warembourg
Don Warembourg
Nuclear Production Manager

LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	C	0	F	S	V	2	0	0	-	0	0	0	0	0	0	-	0	0	3	4	1	1	2	0	4	5
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
LICENSEE CODE		LICENSE NUMBER										LICENSE TYPE					CAT		58								

0	1	L	6	0	5	0	0	0	2	6	7	7	0	9	2	5	7	8	8	1	0	2	4	7	8	9
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
CON'T		DOCKET NUMBER										EVENT DATE					REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During routine surveillance testing one of the five (5) heating ventilation and

0 3 | air conditioning system isolation dampers for the 480 volt switchgear room would not

0 4 | shut. This resulted in operation under a degraded mode permitted by LCO 4.10.1

0 5 | and is reportable per Ft. St. Vrain Technical Specification AC 7.5.2(b)2.

0 6 | _____

0 7 | _____

0 8 | _____

0	9	A	A	11	E	12	B	13	V	A	L	V	O	P	14	D	15	Z	16	17	7	8	0	3	1	0	3	L	0	C	6	3	0									
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									
LER/RO REPORT NUMBER		EVENT YEAR		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE					COMP. SUBCODE		VALVE SUBCODE		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | A Contromatic pneumatic spring return actuator (part number 198-00-353) jammed open

1 1 | due to a faulty o-ring that slipped, locking the shaft in position. The o-ring was

1 2 | replaced and the actuator returned to service.

1 3 | _____

1 4 | _____

1	5	D	28	0	0	0	29	N/A	30	31	Routine Surveillance Test	32
7	8	9	10	11	12	13	14	15	16	17	18	19
FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY				
1	6	Z	33	Z	34	N/A	35	N/A	36			
7	8	9	10	11	12	13	14	15	16			
ACTIVITY CONTENT RELEASED		AMOUNT OF ACTIVITY			LOCATION OF RELEASE							
1	7	0	0	0	37	Z	38	N/A	39			
7	8	9	10	11	12	13	14	15	16			
PERSONNEL EXPOSURES		PERSONNEL INJURIES			LOSS OF OR DAMAGE TO FACILITY							
1	8	0	0	0	40	N/A	41					
7	8	9	10	11	12	13	14					
PERSONNEL EXPOSURES		LOSS OF OR DAMAGE TO FACILITY			PUBLICITY ISSUED							
1	9	Z	42	N/A	43							
7	8	9	10	11	12							
PERSONNEL EXPOSURES		PUBLICITY ISSUED			NRC USE ONLY							
2	0	N	44	N/A	45							
7	8	9	10	11	12							