

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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REPORT SOURCE

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

09		SYSTEM CODE H H		11	CAUSE CODE E		12	CAUSE SUBCODE B		13	COMPONENT CODE V A L V E X				14	COMP SUBCODE C		15	VALVE SUBCODE A		16
7	8	9	10		11	12		13	14	15	16	17	18	19	20						
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17		18		19	20		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					
A		Z		Z		Z		0000		Y		N		N		C665					
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
C										0 1 0										N/A										A										Operator Observation									
ACTIVITY CONTENT										AMOUNT OF ACTIVITY										LOCATION OF RELEASE																													
RELEASED OF RELEASE										N/A										N/A																													

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	5	0	0	0	41 N/A

7 8 9 10 80
PUBLICITY
ISSUED DESCRIPTION (45) 8307120087 830701
2 0 N (44) N/A PDR ADOCK 05000267
7 8 9 10 68 69 80
S PDR

NAME OF PREPARER

PHONE: (303) 785-2224

of Colorado

16805 Road 19 1/2, Platteville, Colorado 80651-9298

50-267

July 1, 1983
Fort St. Vrain
Unit No. 1
P-83232

Mr. John T. Collins, Regional Administrator
Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

Reference: Facility Operating License
No. DPR-34

Docket No. 50-267

Dear Mr. Collins:

Enclosed please find a copy of Reportable Occurrence Report No. 50-267/83-020, Final, submitted per the requirements of Technical Specification AC 7.5.2(b)2.

Also, please find enclosed one copy of the Licensee Event Report for Reportable Occurrence Report No. 50-267/83-0#.

Very truly yours,

Don Warembourg
Don Warembourg
Manager, Nuclear Production

DW/cl's

Enclosure

cc: Director, MIPC

4005
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REPORT DATE: July 1, 1983

REPORTABLE OCCURRENCE 83-020

OCCURRENCE DATE: June 4, 1983

ISSUE 0

Page 1 of 3

FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
16805 WELD COUNTY ROAD 19 1/2
PLATTEVILLE, COLORADO 80651-9298

REPORT NO. 50-267/83-020/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

During power operation, on June 4, 1983, the emergency feedwater supply header to the Loop I helium circulator water turbine drives was isolated, and approximately one hour and fifty minutes later, the bearing water make up pump (P-2105) was taken out of service. These events constitute operation in degraded modes of Fort St. Vrain Technical Specifications LCO 4.2.2(a) and (d), respectively, and are reportable per AC 7.5.2.(b).2.

EVENT
DESCRIPTION:

Event No. 1:

At approximately 0450 hours on June 4, 1983, with the plant operating at 10% power, a flange gasket failed on the inlet piping to emergency feedwater header relief valve, V-21522. The external water leakage necessitated the isolation of the emergency feedwater header to the Loop I helium circulator water turbine drives until repairs could be accomplished.

If necessary, the affected helium circulators could have been operated on the water turbine drives at a reduced speed utilizing the water supplied from the emergency condensate or the firewater system.

Event No. 2:

At approximately 0645 hours on June 4, 1983, with the plant operating at 10% power, the bearing water make up pump, P-2105, was taken out of service. This action was necessary to allow an internal, visual inspection of check valve, V-21843, for operability. This check valve is located in the discharge piping of P-2105. Had it become necessary, the emergency bearing water make up pump, P-2108, was available and operational to supply make up bearing water to the helium circulator bearing water surge tanks.

CAUSE
DESCRIPTION:

Component Failure

Event No. 1:

The flexitallic flange gasket on V-21522 was found deformed and the gasket surfaces washed out. This condition is attributed to normal wear and operating conditions.

Event No. 2:

The inspection of the check valve (V-21843) internal components revealed that the disc hinge pin and bushing were missing. Corrosion of the set screw holding the hinge pin to the valve body allowed the hinge pin to become dislodged resulting in the faulty operation of the check valve.

The check valve (V-21843) was manufactured by the Crane Company, and is a 3 inch, carbon steel, cast, check, model no. 1073.

CORRECTIVE
ACTION:

Event No. 1:

The flange sealing surfaces were inspected for wear, surfaces were cleaned, and a new flexitallic gasket was installed.

The emergency feedwater header was returned to service at 1430 hours on June 4, 1983.

Event No. 2:

A new disc hinge pin was fabricated and installed. The seal ring, lock nuts, and set screws were replaced with the set screws tack welded in place. The valve was reassembled and leak checked. Following repair of the check valve, the bearing water make up pump was returned to service at 1615 hours on June 4, 1983.

The total duration of both events was 11 hours and 25 minutes, within the 24 hour period allowed by LCO 4.2.2. No further corrective action is anticipated or required.

Prepared By: Duane L. Faye for
Robert A. Dickenson
Senior Technical Services Technician

Reviewed By: [Signature]
Frank J. Novachek
Technical Services Engineering Supervisor

Reviewed By: L. Milton McBride
L. Milton McBride
Station Manager

Approved By: Don Warembourg
Don Warembourg
Manager, Nuclear Production