

LICENSEE EVENT REPORT

CONTROL BLOCK: 

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 (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

0 1 C U F S V 1 2 0 U - 0 0 0 0 0 0 - 0 0 3 4 1 1 2 0 4 5

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T

REPORT SOURCE: 01 6 0151010121617 7 0191212813 8 110121813 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 0710 hours on September 22, 1983, with the reactor operating at power, emergency feedwater to the Loop I helium circulator water turbine drives was isolated to allow repair of a leaking relief valve and calibration of two associated pressure control valves. This event constitutes operation in a degraded mode of LCO 4.2.2 and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2. No accompanying occurrence. No affect on public health or safety. Similar RO's are: 83-015, 83-020, 83-023.

SYSTEM CODE H H 11		CAUSE CODE E 12		CAUSE SUBCODE B 13		COMP. SUBCODE X 15		VALVE SUBCODE B 16	
EVENT YEAR 8 3		SEQUENTIAL REPORT NO. 0 3 5		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0	
ACTION TAKEN A 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0	
ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB Y 24		PRIME COMP. SUPPLIER N 25		COMPONENT MANUFACTURER D 2 4 3			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 A leaking copper gasket on relief valve V-21542 necessitated header isolation. The

1 1 valve is a Dresser 1500# Consolidated Safety Relief Valve, Model No. 1916-Gc/P1. The

1 2 valve was repaired and the water turbine drive header returned to service within the

1 3 time allowed by LCO 4.2.2(a). No further corrective action is anticipated or required.

1 4

8 9  
FACILITY STATUS (28) 0 6 6 (29) N/A (30) OTHER STATUS  
1 5 E  
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

45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60  
METHOD OF DISCOVERY (31) Personnel Observation (32) DISCOVERY DESCRIPTION  
1 6 Z (33) Z (34) N/A (35) AMOUNT OF ACTIVITY  
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

45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60  
LOCATION OF RELEASE (36) N/A

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	N/A	(39)

PERSONNEL INJURIES  
NUMBER DESCRIPTION (41)  
1 8 0 0 0 (40) N/A  
8311070408 83108 80

		LOSS OF OR DAMAGE TO FACILITY		(43)	
		TYPE	DESCRIPTION		
1	9	Z	N/A	(42)	

831021  
 PDR ADOCK 05000267  
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 PDR

7	8	9	10	PUBLICATION										NRC USE ONLY											
ISSUED			DESCRIPTION			45																			

[illegible]

NAME OF PREPARER

PHONE: (303) 785-2224

REPORT DATE: October 21, 1983

REPORTABLE OCCURRENCE 83-035

ISSUE 0

OCCURRENCE DATE: September 22, 1983

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

REPORT NO. 50-267/83-035/03-L-0

Final

IDENTIFICATION OF  
OCCURRENCE:

On September 22, 1983, with the reactor operating at power, the emergency feed water header to the Loop I helium circulator water turbine drives was taken out of service. This constitutes operation in a degraded mode of LCO 4.2.2(a) and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT  
DESCRIPTION:

Reference Figure 1.

At 0710 hours on September 22, 1983, with the reactor operating near 66 percent power, emergency feed water to the Loop I helium circulator water turbine drives was isolated to allow repair of relief valve V-21542, and perform calibration checks on pressure control valves PV-21243 and PV-21243-1.

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 header or the firewater system.

The header was returned to normal service at 1919 hours on September 22, 1983.

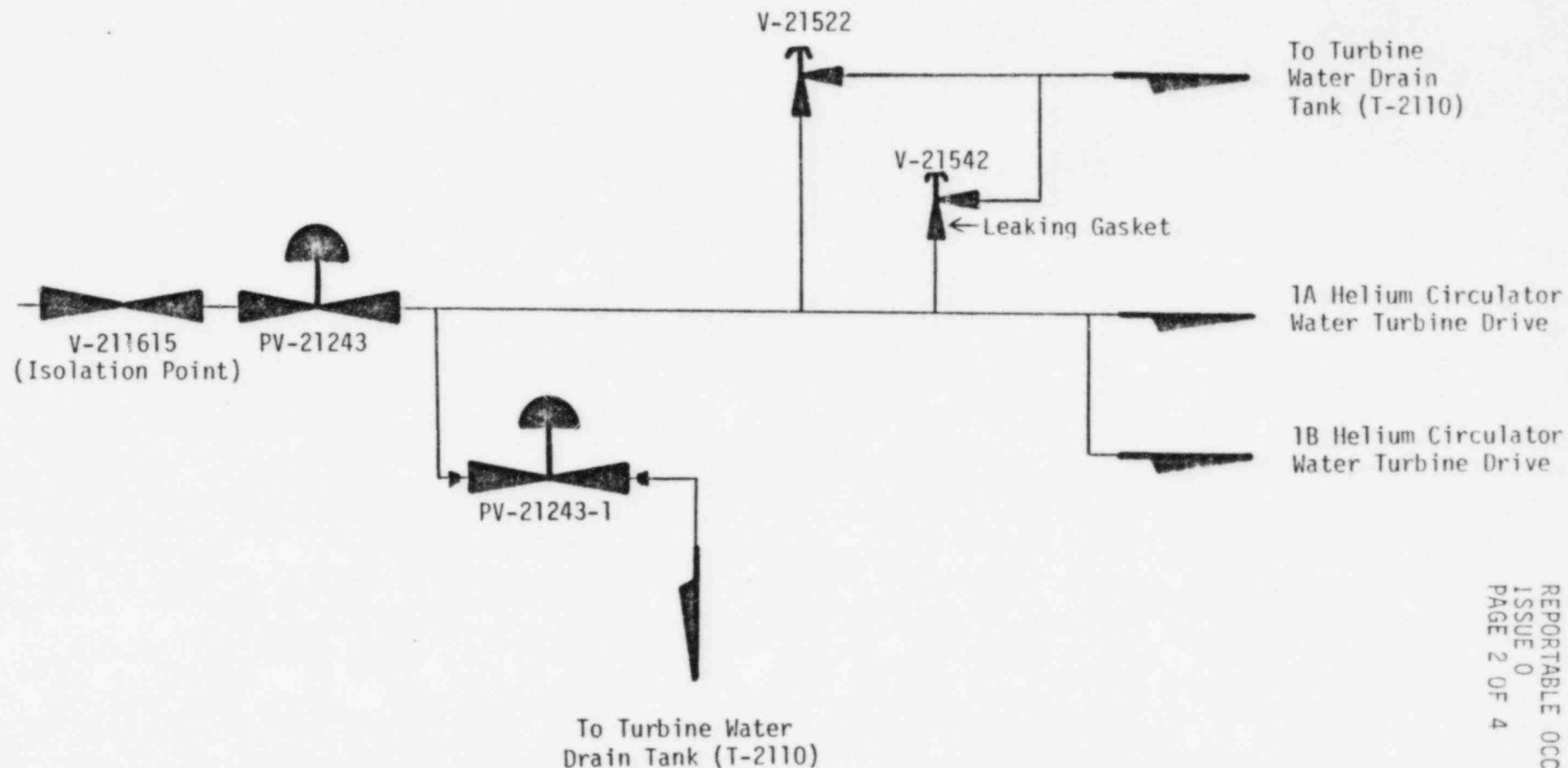


FIGURE 1

Emergency Feedwater to Helium Circulator  
Water Turbine Drives - Loop 1

CAUSE  
DESCRIPTION:

Component Failure.

Thermal expansion and contraction of a copper gasket caused external valve leakage. The gasket and threaded plug, located on the side of V-21542, allow internal adjustment access to the relief valve blowdown ring.

With the header isolated, air operated valves PV-21243 and PV-21243-1 were checked and calibrated as necessary.

CORRECTIVE  
ACTION:

Relief valve V-21542 was repaired and returned to service.

Pressure control valves PV-21243 and PV-21243-1 were checked, calibrated as necessary, and returned to service.

The emergency feed water header was returned to service after 12 hours and 9 minutes on September 22, 1983, within the 24 hours allowed by LCO 4.2.2(a).

No further corrective action is anticipated or required.

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