LER

Public Service Company of Colorado

16805 ROAD 19½
PLATTEVILLE, COLORADO 80651

August 26, 1981
Fort St. Vrain
Unit No. 1
P-81212

Mr. Karl V. Seyfrit, Director
Nuclear Regulatory Commission
Region IV
Office of Inspection and Enforcement
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76012

Reference: Facility Operating License
No. DPR-34

Docket No. 50-267

Dear Mr. Seyfrit:

Enclosed please find a copy of Reportable Occurrence Report No. 50-267/81-046, 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. 50-267/81-046.

Very truly yours,

Don Warembourg
Manager, Nuclear Production

DW/cls

Enclosure

cc: Director, MIPC

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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

REPORT NO. 50-267/81-046/03-L-0

Final

IDENTIFICATION OF OCCURRENCE:

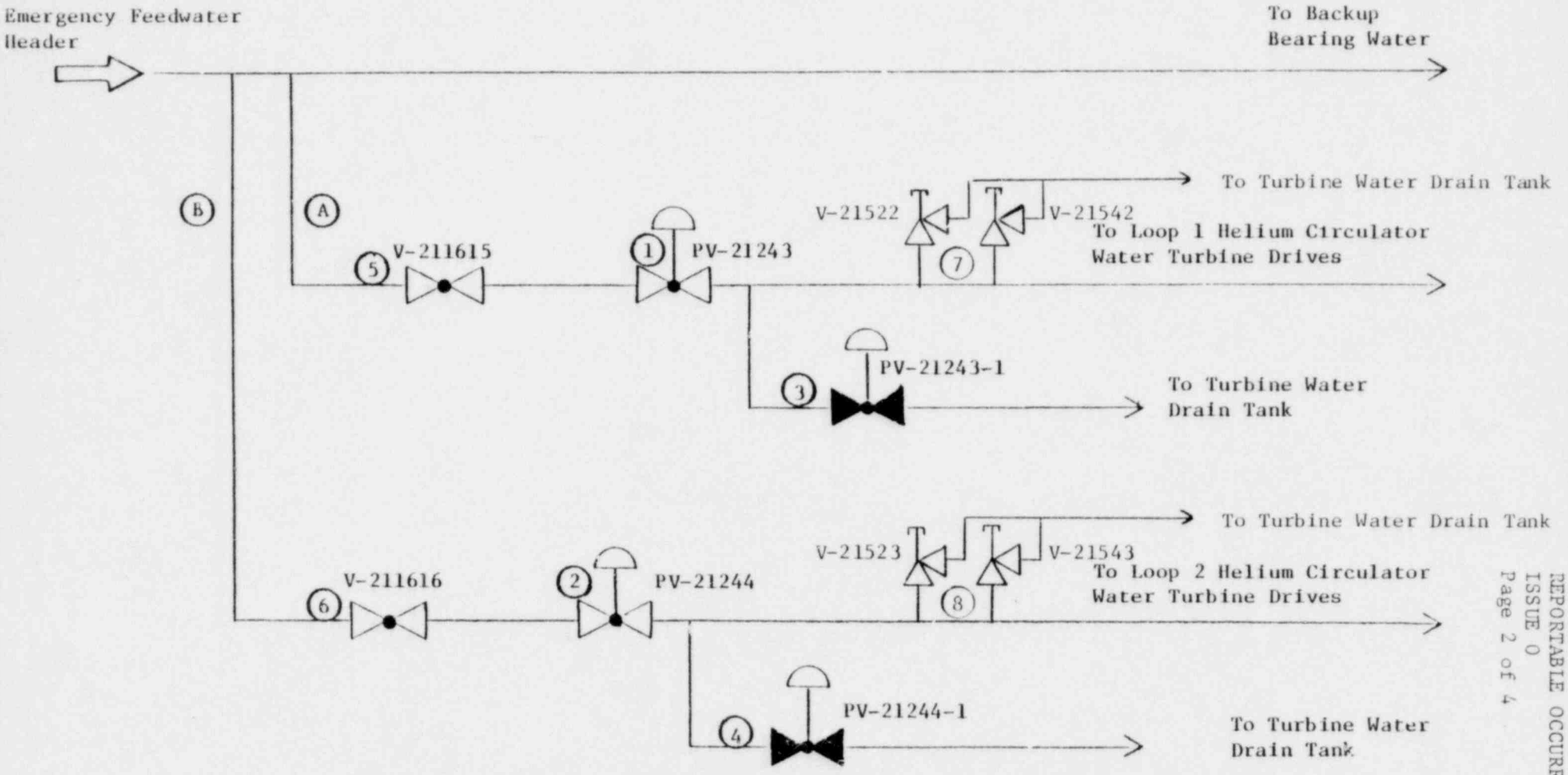
The emergency feedwater header supply to Loop 1 helium circulator water turbine drives was isolated for repairs with the plant operating at power. This is a degraded mode of LCO 4.2.2(a) and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT DESCRIPTION:

On July 28, 1981, with the plant operating at 30% power and 83 MWe, operations personnel experienced pressure control difficulties on the emergency feedwater supply header to Loop 1 helium circulator water turbines. Refer to Figure 1 for simplified diagram of this system. Emergency feedwater is supplied to Loop 1 and Loop 2 helium circulator water turbines via two separate flow paths ((A) and (B)). The main pressure control valves ((1) and (2)) are designed to control feedwater supply pressure under flow conditions. Additional pressure control vavles ((3) and (4)) are provided to bleed off any leakage from the main control valves to the turbine water drain tank under the no-flow conditions which normally exist.

In this instance, under no-flow conditions, excessive leakage through relief valves (7) downstream of the main pressure control valve for Loop 1 caused erratic operation of the main pressure control valve. A Plant Trouble Report was initiated, and the emergency feedwater supply to Loop 1 was isolated (5) for repair of the relief valves at 0800 hours on July 28, 1981. The relief valves were repaired, and the system restored to service at 0140 hours on July 29, 1981, within the 24 hours allowed by LCO 4.2.2 without the affected helium circulators being considered inoperable.

Had it been necessary during this period, the Loop 1 circulators could have been operated on water turbine drive at reduced speed utilizing a supply from the emergency condensate or firewater systems.



Emergency Feedwater Pressure Control

FIGURE 1

CAUSE
DESCRIPTION:

Relief valve leakage downstream of main pressure control valves necessitated isolation for repair. The relief valve leakage is attributed to normal wear.

CORRECTIVE
ACTION:

The relief valves were removed, rebuilt, bench tested, and re-installed. The emergency feedwater supply header to Loop 1 was restored to service.

No further corrective action is anticipated or required.

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Technical Services Technician

Reviewed By: Milt McBride
Milt McBride
Technical Services Manager

Reviewed By: Ed Hill by Dmw
Edwin D. Hill
Station Manager

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Don Warembourg
Manager, Nuclear Production