

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

PHONE: (303) 785-2224

REPORT DATE: July 29, 1983

REPORTABLE OCCURRENCE 83-023

OCCURRENCE DATE: July 1, 1983

ISSUE 0

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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. 50-267/83-023/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

On two separate occasions from July 1 to July 2, 1983, with the reactor operating at power, emergency feedwater was unavailable to drive the Loop I helium circulator water turbines. 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:

Event #1

At 0653 hours on July 1, 1983, with the reactor operating near 13 percent power, emergency feedwater to the Loop I helium circulator water turbine drives was isolated to allow repair of pressure control valve PV-21243. Due to internal leakage, pressure control downstream of the valve had been erratic. The emergency feedwater supply to the Loop I helium circulator water turbine drives was restored at 2245 hours on the same day.

Event #2

After repair of PV-21243, control room operators observed that pressure control of the emergency feedwater header to the Loop I helium circulator water turbine drives was still erratic. At 0900 hours on July 2, 1983, with the reactor operating near 12 percent power, the emergency feedwater header was again isolated to allow for the calibration and alignment of header pressure controller PIC-21243, and re-check of the calibration and operation of PV-21243. The emergency feedwater supply to the Loop I helium circulator water turbine drives was restored at 1320 hours on the same day.

CAUSE
DESCRIPTION:

Event #1

Component Failure.

Normal wear. Due to high pressure water/steam flow, erosion of PV-21243 valve seat and disc had occurred.

Event #2

Instrument Drift.

Due to the erratic pressure operation caused by the erosion of PV-21243 internals, the pressure control setpoint of PIC-21243 had drifted from the optimal setpoint, requiring recalibration and alignment.

CORRECTIVE
ACTION

EVENT #1

The seat and disc were replaced for pressure control valve PV-21243, and the Loop I emergency feedwater header was returned to service at 2245 hours on July 1, 1983, after 15.9 hours.

Event #2

Pressure controller, PIC-21243, was calibrated and aligned, and the Loop I emergency feedwater header was returned to service at 1320 hours on July 2, 1983, after 4.3 hours.

No further corrective actions are anticipated or required.

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Don Warembourg
Manager, Nuclear Production



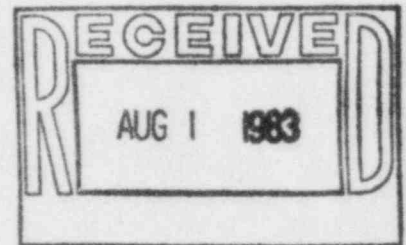
Public Service Company of Colorado

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

50-267

July 29, 1983
Fort St. Vrain
Unit No. 1
P-83262

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. 50-267/83-023, 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. 50-267/83-023.

Very truly yours,

Don Warembourg by Mitt McBride
Don Warembourg
Manager, Nuclear Production

DW/djm

Enclosure

cc: Director, MIPC

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