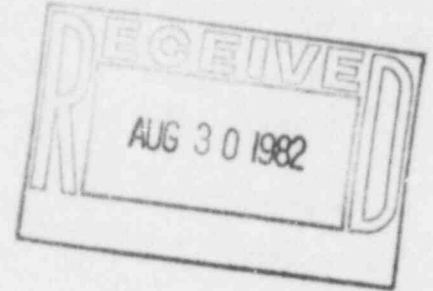




Public Service Company of Colorado

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

August 26, 1982
Fort St. Vrain
Unit No. 1
P-82358



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/
82-031, 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. 50-267/82-031.

Very truly yours,

Don Warembourg by Milt McBride

Don Warembourg
Manager, Nuclear Production

DW/clis

Enclosure

cc: Director, MIPC

IE 22

REPORT DATE: August 26, 1982

REPORTABLE OCCURRENCE 82-031

OCCURRENCE DATE: July 27, 1982

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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. 50-267/82-031/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

On July 27, 1982, with the reactor operating at approximately 70% power, the Loop 2 emergency feedwater header to the Loop 2 helium circulator pelton wheel drives was taken out of service. This constitutes a degraded mode of Fort St. Vrain Technical Specification LCO 4.2.2 and is reportable per AC 7.5.2(b)2.

EVENT
DESCRIPTION:

At 2230 hours on July 24, 1982, Loop 2 emergency feedwater pelton wheel drive header pressure control valve, PV-21244, was discovered to be leaking past its seat. Control Room operators were able to maintain proper system pressure control by adjustment of the pressure controller, PIC-21244.

At 0700 hours on July 27, 1982, the Loop 2 emergency feedwater header to the pelton wheel drives was isolated to perform maintenance on PV-21244.

At 1345 hours on July 27, 1982, it was decided to perform a preventative maintenance calibration and alignment of the valve controller, PIC-21244, while the header was out of service for the valve repair.

At 0545 hours on July 28, 1982, the Loop 2 emergency feedwater header was returned to service. Fort St. Vrain Technical Specification LCO 4.2.2(a) requires that a supply of emergency feedwater be available to drive the circulator water turbine drives, allowing however, for isolation of the emergency feedwater supply for up to 24 hours without the helium circulators being considered inoperable.

If necessary, the affected helium circulators could have been operated on the water turbine drive at reduced speed, utilizing the water supply from the emergency condensate or firewater systems.

CAUSE
DESCRIPTION:

The water/steam cutting of the disc and seat are attributed to normal wear.

CORRECTIVE
ACTION:

The valve disc, seat ring, and gaskets were replaced, and the valve was returned to service.

During the repair of the valve internals, dye penetrant testing of the removed seat ring revealed a crack between the stellite seating surface and the surrounding base metal. Subsequent testing revealed similar flaws in another seat ring which had been previously removed from service and, also in a new seat ring. Another new seat ring, which was finally installed in the valve, passed the dye penetrant test. Even though the discovered flaws are not directly attributable to the seat leakage, as a precautionary measure, they were not placed in service.

The new, cracked seat ring was returned to the manufacturer for replacement. Future Quality Assurance requirements will include a dye penetrant check of the seat rings before stocking them into the plant stores warehouse.

The pressure controller flapper and nozzle were replaced as a preventative maintenance measure, and the unit was calibrated and aligned.

The Loop 2 emergency feedwater header to the circulator pelton wheel drives was returned to service after 22.8 hours.

Prepared By: Paul A. Tramp
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Technical Services Technician

Reviewed By: Charles Fuller
Charles Fuller
Technical Services Engineering Supervisor

Reviewed By: Edwin D. Hild
Edwin D. Hild
Station Manager

Approved By: Don Warembourg by Mitt McBride
Don Warembourg
Manager, Nuclear Production