



Public Service Company of Colorado

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

November 20, 1979
Fort St. Vrain
Unit No. 1
P-79278

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

REF: Facility Operating License
No. DPR-34

Docket No. 50-267

Dear Mr. Seyfrit:

Enclosed please find a copy of Reportable Occurrence Report No. 50-267/79-52/03-L-0, Final, submitted per the requirements of Technical Specification AC 7.5.2(b)4.

Also, please find enclosed one copy of the Licensee Event Report for Reportable Occurrence Report No. 50-267/79-52/03-L-0.

Very truly yours,

Don Warembourg
Don Warembourg
Manager, Nuclear Production

DW/cls

cc: Director, MIPC

1472 -24 A002
S
1/1
7912040326

REPORT DATE: November 20, 1979

REPORTABLE OCCURRENCE 79-52

OCCURRENCE DATE: October 22, 1979

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

REPORT NO. 50-267/79-52/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

On October 22, 1979, with the plant operating at approximately 9% power and "A" instrument air compressor out of service for maintenance, "B" instrument air compressor was found to have insufficient output.

This constitutes operation under a degraded mode of LCO 4.3.6 and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

At approximately 0900 hours on October 22, 1979, with the plant operating at approximately 9% thermal power, "A" instrument air compressor was removed from service in order to repair the manual trip mechanism on its safety relief valve. Shortly thereafter, "B" instrument air compressor was determined to be providing insufficient output and the service air system backup air supply was required. The valve repair on "A" instrument air compressor was completed and the compressor returned to service shortly after 1000 hours on October 22, 1979.

On October 23, 1979, with both "A" and "C" instrument air compressors operable, a capacity check of "B" compressor indicated its output was less than the minimum required for operability.

Technical Specification LCO 4.3.6, Instrument Air System, indicates that the plant is not to be operated at power unless two of the three instrument air compressors are operable. Thus, the period of time with "A" compressor out of service and "B" compressor providing insufficient output constitutes operation in a degraded mode of LCO 4.3.6.

CAUSE
DESCRIPTION:

Following the discovery that the instrument air compressor was not providing sufficient output, a quarterly preventive maintenance and inspection procedure was performed to investigate the cause of compressor inoperability.

1472 :25

CAUSE

DESCRIPTION (Cont'd):

As a result of the inspection, a bent piston rod was discovered. Because of this, the piston did not sit properly in the cylinder. The output of the compressor was adversely affected by these factors, such that the compressor was not operating at its most efficient level.

CORRECTIVE

ACTION:

In order to comply with Technical Specification requirement for two operable instrument air compressors, the "A" compressor was returned to service after discovery that "B" compressor was providing insufficient output.

The bent piston rod was replaced. A cracked piston and four discharge valves were replaced, and four intake valves were rebuilt during the quarterly inspection.

A capacity check upon completion of the repair indicated that the compressor was once again providing sufficient output, and the compressor was returned to service.

No further corrective action is anticipated or required.

Prepared by:

Cathy C. Hirsch
Cathy C. Hirsch
Technical Services Technician

Reviewed by:

J. W. Gahm
J. W. Gahm
Technical Services Supervisor

Reviewed by:

Frank M. Mathie
Frank M. Mathie
Operations Manager

Approved by:

Don Warembourg
Don Warembourg
Manager, Nuclear Production

1472 27