



Public Service Company of Colorado

16805 ROAD 19½
PLATTEVILLE, COLORADO 80651

August 26, 1981
Fort St. Vrain
Unit No. 1
P-81210



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. DFR-34

Docket No. 50-267

Dear Mr. Seyfrit:

Enclosed please find a copy of Reportable Occurrence Report No. 50-267/81-045, 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. 50-267/81-045.

Very truly yours,

Lon Warembourg
Lon Warembourg
Manager, Nuclear Production

DW/clb

Enclosure

cc: Director, MIPC

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REPORT DATE: August 26, 1981

REPORTABLE OCCURRENCE 81-045
ISSUE 0

OCCURRENCE DATE: July 27, 1981

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

REPORT NO. 50-267/81-045/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

During normal startup operations, the primary coolant dewpoint exceeded the limits of Figure 4.2.11-1. This is reportable as a degraded mode of LCO 4.2.11 per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

During the reactor refueling period, the primary coolant became contaminated with moisture. During the subsequent startup, the rise-to-power was delayed while the purification system was used to clean up the primary coolant. Each increase in power level and average core outlet temperature results in additional out-gassing of moisture from the graphite of the core and the insulation of the prestressed concrete reactor vessel causing a temporary increase in moisture. The reactor power was raised in steps with a pause after each step to allow the purification system to remove the moisture.

On July 27, 1981, after a power increase, the moisture level measured by dewpoint increased past the limit of LCO 4.2.11. By 1800 hours on July 28, 1981, the dewpoint was back in the limited acceptable region of LCO 4.2.11, where operation continued until the end of the month.

CAUSE
DESCRIPTION:

The excessive moisture entered the primary coolant during the refueling period while the reactor was kept subatmospheric for refueling and maintenance purposes. Also, the new fuel may have had some moisture absorbed which was off-gassed when the core started to heat up.

CORRECTIVE
ACTION:

The purification train was operated to remove the impurities from the primary coolant.

No other corrective action is anticipated or required.

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Milt McBride
Technical Services Manager

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Don Warembourg
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