



# Public Service Company of Colorado

16805 ROAD 19½  
PLATTEVILLE, COLORADO 80651

March 27, 1981  
Fort St. Vrain  
Unit No. 1  
P-81103



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/  
81-020, 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. 50-267/81-020.

Very truly yours,

*Don Warembourg*

Don Warembourg  
Manager, Nuclear Production

DW/clis

Enclosure

cc: Director, MIPC

A002  
S  
1/1

8104210494

5

OCCURRENCE REPORT DISTRIBUTION

	<u>Number of Copies</u>	
Department of Energy - - - - - San Francisco Operations Office Attn: California Patent Group 1333 Broadway Oakland, California 94612	1	(P Letter)
Department of Energy - - - - - Mr. Glen A. Newby, Chief HTR Branch Division of Nuclear Power Development Mail Station B-107 Washington, D.C. 20545	1	(P Letter)
Department of Energy - - - - - Attn: Project Manager 110 West A Street, Suite 460 San Diego, California 92101	1	(P Letter)
Mr. Karl V. Seydrit, Director - - - - - Region IV Office of Inspection and Enforcement Nuclear Regulatory Commission 611 Ryan Plaza Drive Suite 1000 Arlington, Texas 76012	1	(Original of P Letter and Copy of LER)
Director - - - - - Office of Management Information and Program Control U. S. Nuclear Regulatory Commission Washington, D.C. 20555	1	(P Letter, LER)
Mr. Richard Phelps - - - - - FSV, GA, Site Representative General Atomic Company P. O. Box 426 Platteville, Colorado 80651	10	(Original of FPLC Letter plus Two Copies, One Copy of P Letter, One Copy of LER)
Mr. Bill Lavalee - - - - - Nuclear Safety Analysis Center 3412 Hillview Avenue P. O. Box 10412 Palo Alto, California 94303	1	(P Letter, LER)
NRC Resident Site Inspector - - - - -	1	(P Letter, LER)

**POOR ORIGINAL**

REPORT DATE: March 27, 1981

REPORTABLE OCCURRENCE 81-020

OCCURRENCE DATE: February 26, 1981

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. 50-267/81-020/03-L-0

Final

IDENTIFICATION OF  
OCCURRENCE:

On February 26, 1981, from 0200 hours to 0800 hours, the plant was operated in a degraded mode of LCO 4.2.10 and LCO 4.2.11.

These events are reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT  
DESCRIPTION:

See Figure 1. On February 25, 1981, reactor power was increased to 60% thermal with core average outlet temperature greater than 1200°F. See Area A of Figure 1. Following the increase in power, total primary coolant oxidants, the combination of CO, CO<sub>2</sub>, and moisture, started to increase and exceeded the LCO 4.2.10 limit of 10<sup>-6</sup>ppm. Reactor power was reduced, lowering the core average outlet temperature to less than 1200°F and restoring compliance with LCO 4.2.10.

See Figure 1, Area B. Due to the moisture present in the primary coolant, the reduction of core average outlet temperature below 1200°F resulted in exceeding the dewpoint limit of LCO 4.2.11, Figure 4.2.11-1.

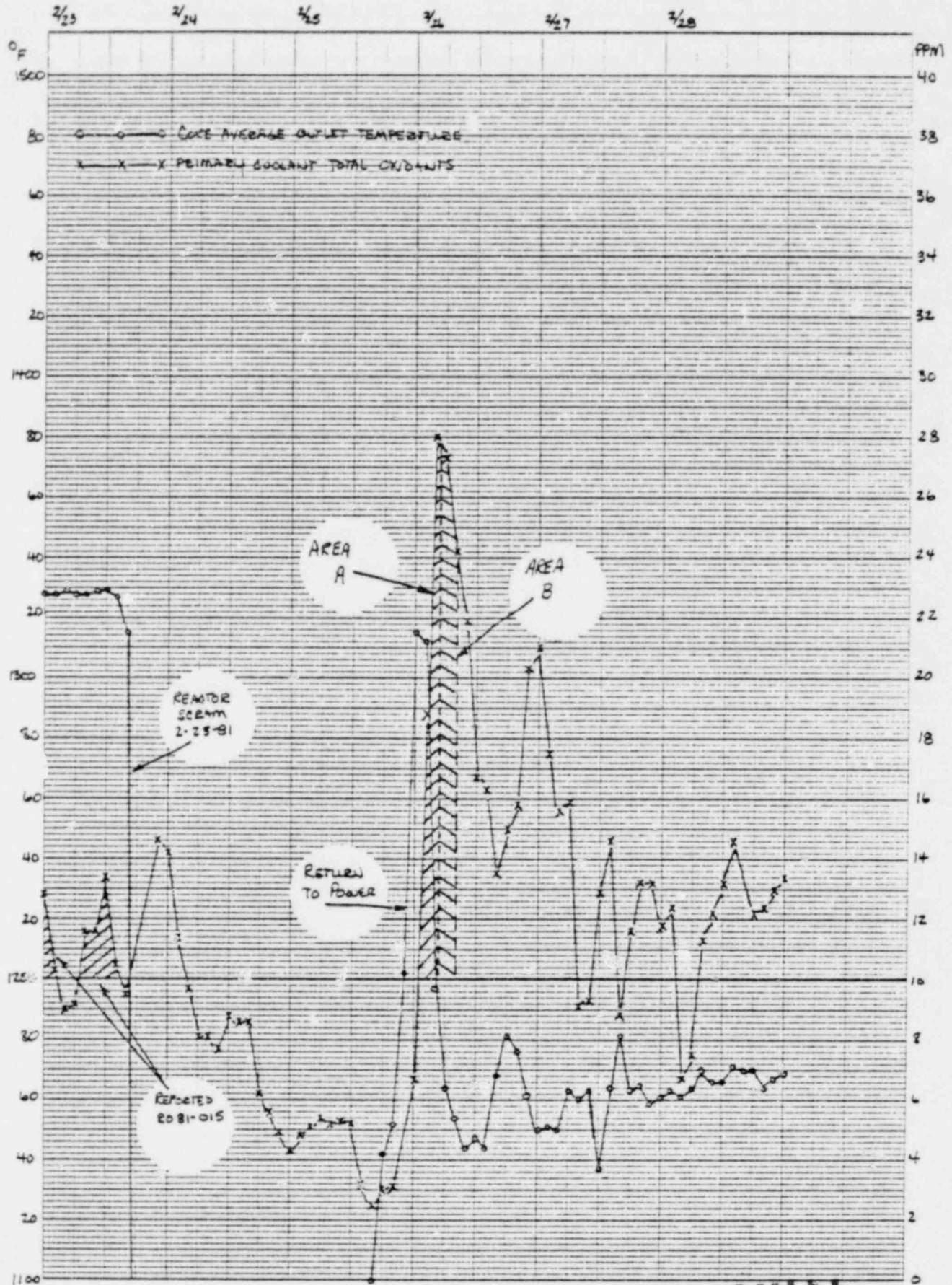
CAUSE  
DESCRIPTION:

Cause of the increased moisture is being attributed to a reactor scram on February 23, 1981, and the resultant circulator buffer system upset which caused moisture ingress.

CORRECTIVE  
ACTION:

The reactor power level was reduced to about 40% thermal and remained there until primary coolant moisture and oxidants had decreased to acceptable limits.

No further corrective action is anticipated or required for the events described in this report.



POOR ORIGINAL

Prepared By: Asa B Reed  
Asa B. Reed  
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