



Public Service Company of Colorado

16805 ROAD 19½
PLATTEVILLE, COLORADO 80651

July 2, 1981
Fort St. Vrain
Unit No. 1
P-81179



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. 50-267/81-039, 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. 50-267/81-039.

Very truly yours,

Don Warembourg
Don Warembourg
Manager, Nuclear Production

DW/cls

Enclosure

cc: Director, MIPC

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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. Seyfrit, 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)
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Mr. Richard Phelps - - - - - FSV, GA, Site Representative General Atomic Company P. O. Box 426 Platteville, Colorado 80651	10	(Original of FPLG 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)

REPORT DATE: July 2, 1981
Determined
OCCURRENCE DATE: June 2, 1981

REPORTABLE OCCURRENCE 81-039
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

REPORT NO. 50-267/81-039/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

Following regular chlorination of the circulating water system, samples of the plant liquid effluent were found to be in excess of the total residual chlorine limit permitted by LCO NR 1.1.

This is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

On May 16, 1981, during a plant maintenance shutdown period, operations personnel chlorinated the circulating water system as scheduled. Following chlorination, the required sample of plant liquid effluent was taken and found to have a residual chloride level of 1.3 ppm. This is in excess of the LCO NR 1.1 limit of 0.5 ppm. The circulating water blowdown system was checked and found to be operating normally. Plant chemists investigated the chlorine system and found all chlorination equipment to function as designed. Subsequent chlorinations of the circulating water system on a daily basis have resulted in normal chlorine residual levels.

With the long liquid effluent discharge path and the hold up period in the plant farm pond, it is improbable that any chlorine would be discharged into the South Platte River.

CAUSE
DESCRIPTION:

A specific cause for this occurrence could not be determined. Chlorination equipment and circulating water blowdown were checked and observed to operate normally.

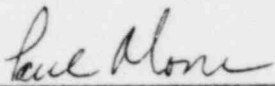
CORRECTIVE
ACTION:

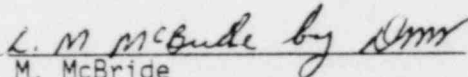
Chlorination was complete before sampling indicated high chlorine residual. Subsequent daily checks of circulating water system indicate that all systems are functioning properly; therefore, the


incident is considered to have been an isolated malfunction. No specific corrective action can be identified at this time.

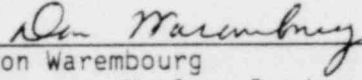
Subsequent chlorinations revealed no equipment abnormalities and normal residual chlorine levels.

No further corrective action is anticipated or required.

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