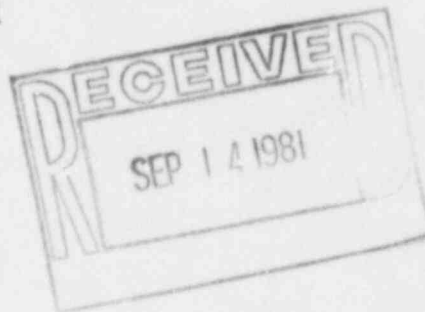




Public Service Company of Colorado

September 11, 1981  
Fort St. Vrain  
Unit No. 1  
P-81226



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. 50-267/81-050, 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. 50-267/81-050.

Very truly yours,

*Don Warembourg*  
Don Warembourg  
Manager, Nuclear Production

DW/cl's

Enclosure

cc: Director, MIPC



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Number of Copies

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| Mr. Bill Lavaiee - - - - -<br>Nuclear Safety Analysis Center<br>3412 Hillview Avenue<br>P. O. Box 10412<br>Palo Alto, California 94303  | 1 (P Letter, LER)  |
| NRC Resident Site Inspector - - - - -   | 1 (P Letter, LER)  |

REPORT DATE: September 11, 1981  
Determined  
OCCURRENCE DATE: August 14, 1981

REPORTABLE OCCURRENCE 81-050  
ISSUE 0  
Page 1 of 2

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

REPORT NO. 50-267/81-050/03-L-0

Final

IDENTIFICATION OF  
OCCURRENCE:

On August 14, 1981, it was determined that the total dissolved solids in the plant nonradioactive liquid effluent exceeded 2300 parts per million on August 9, 1981. This is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2 as a degraded mode of LCO NR 1.1.

EVENT  
DESCRIPTION:

The reactor power level was increased from 45% starting August 3, 1981, and reached approximately 70% on August 6, 1981. The increase in power level was responsible for increased evaporation of the circulating water resulting in increased solids in the circulating water tower basin and higher total dissolved solids in the blowdown water. The increase was monitored by the Chemistry Department, but the increase on midnight shift on August 9, 1981, resulted in the limit of 2300 parts per million being exceeded.

The corrective action taken was to reduce cold side blowdown and increase raw water blowdown, which brought the total dissolved solids within limits by the next shift's sample.

CAUSE  
DESCRIPTION:

The increased total dissolved solids in the plant nonradioactive effluent was due to increased evaporation caused by reactor power level increases and improper blowdown adjustment.

CORRECTIVE  
ACTION:

The main cooling water blowdown was adjusted to reflect the plant power levels.

No further corrective action is anticipated or required.

Prepared By:

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Technical Services Technician

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Milt McBride

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Technical Services Manager

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Edwin D. Hild

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Don Warembourg

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