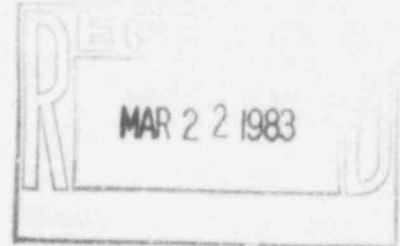




Public Service Company of Colorado

16805 Road 19 1/2, Platteville, Colorado 80651-9298

March 17, 1983
Fort St. Vrain
Unit No. 1
P-83109



Mr. John T. Collins, Regional Administrator
Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

Reference: Facility Operating License
No. DPR-34

Docket No. 50-267

Dear Mr. Collins:

Enclosed please find a copy of Reportable Occurrence Report No. 50-267/83-006, 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. 50-267/83-006.

Very truly yours,

Don Warembourg
Don Warembourg
Manager, Nuclear Production

DW/clS

Enclosure

cc: Director, MIPC

H005

REPORTABLE OCCURRENCE DISTRIBUTION

Number of Copies

Department of Energy - - - - - 1 (P Letter)
San Francisco Operations Office
ATTN: California Patent Group
1333 Broadway
Oakland, California 94612

Department of Energy - - - - - 1 (P Letter)
Mr. Glen A. Newby, Chief
HTR Branch
Division of Nuclear Power Development
Mail Station B-107
Washington, D.C. 20545

Department of Energy - - - - - 1 (P Letter)
Project Manager
ATTN: Dr. Beighley
P. O. Box 81608
San Diego, CA 92138

Mr. John T. Collins, Regional Administrator - - - - - 1 (Original of P Letter)
Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

Mr. Philip C. Wagner, Project Manager - - - - - 1 (P Letter)
Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

Director - - - - - 1 (P Letter)
Office of Management Information and Program Control
Nuclear Regulatory Commission
Washington, D.C. 20555

INPO Records Center - - - - - 1 (P Letter)
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

Mr. Richard Phelps, FSV, GA Technologies, Inc., Site Representative - - - - - 1 (P Letter)
General Atomic Technologies, Inc.
16864 Weld County Road 19 1/2
Platteville, Colorado 80651

NRC Resident Site Inspector - - - - - 1 (P Letter)

REPORT DATE: March 17, 1983

REPORTABLE OCCURRENCE 83-006

ISSUE 0

OCCURRENCE DATE: February 15, 1983

Page 1 of 3

FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
16805 WELD COUNTY ROAD 19 1/2
PLATTEVILLE, COLORADO 80651-9298

REPORT NO. 50-267/83-006/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

On February 15, 1983, the outlet temperature in Loop 2 of the prestressed concrete reactor vessel (PCR) cooling water system (System 46) exceeded 120 degrees fahrenheit. This event constitutes operation in a degraded mode of LCO 4.2.15(b) and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

At 1030 hours on February 15, 1983, with the plant operating at 38% thermal power and approximately 85 MWE, a fuse in the non-interruptible instrument bus #2 power inverter (N-9235) failed. The instrument buses are provided to supply the power requirements (120 volt AC, single phase, 60 Hz) for plant instrumentation.

Among the instrumentation supplied by instrument bus #2 is the temperature controller for Loop 2 of System 46. The loss of electrical power to this controller caused the temperature control valve to fail closed and interrupted service water cooling to Loop 2 of System 46. This in turn, caused the PCR cooling water outlet temperature to increase above the 120 degrees fahrenheit limit specified in LCO 4.2.15(b).

At approximately 1042 hours, power was restored to instrument bus #2 by manually closing the tie breaker to instrument bus #3. The temperature control valve for Loop 2 of System 46 immediately returned to normal operation, and service water cooling was restored.

The Loop 2 PCR cooling water outlet temperature was greater than 120 degrees fahrenheit for approximately 25 minutes and reached a maximum of 124 degrees fahrenheit.

Refer to Reportable Occurrence 50-276/83-007 for further information regarding the instrument bus power loss.

CAUSE
DESCRIPTION:

Component failure.

A blown fuse, internal to the instrument bus #2 power inverter, caused the loss of electrical power to Loop 2 PCRV cooling water system temperature control components.

CORRECTIVE
ACTION:

The Loop 2 PCRV cooling water temperature was returned to acceptable values by re-establishing power to instrument bus #2 from its backup power supply.

The blown fuse in the instrument power inverter was replaced, and the inverter was tested and returned to service.

No further corrective action is anticipated or required.

Prepared By: *Duane L. Frye*
Duane L. Frye
Senior Technical Services Technician

Reviewed By: *Charles Fuller*
Charles Fuller
Technical Services Engineering Supervisor

Reviewed By: *Edwin D. Hill*
Edwin D. Hill
Station Manager

Approved By: *Don Warembourg*
Don Warembourg
Manager, Nuclear Production