

P. O. Box 361, Platteville, Colorado 80651



January 14, 1975

Mr. E. Morris Howard, Director
Directorate of Regulatory Operations
Region IV, USAEC
P. O. Box 5039
White Settlement, Texas 76108

Dear Mr. Howard:

REF: Facility Operating License
No. DPR-34

Docket No. 50-267

Enclosed please find a copy of Unusual Event No. 50-267/74/2,
submitted per the requirements of the Technical Specifications.

Very truly yours,

Frederic E. Swart
Superintendent Nuclear Production
Fort St. Vrain Nuclear
Generating Station

FES:il

cc: Mr. Angelo Giambusso

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PDR ADOCK 05000267
S PDR

REPORT DATE: January 6, 1975

UNUSUAL EVENT

EVENT DATE: December, 1974

FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
P. O. BOX 61
PLATTEVILLE, COLORADO 80651

REPORT NO. 50-267/74/2

Final

IDENTIFICATION OF
OCCURRENCE:

An electrical inspection of the steam/water dump valves (HV's 2215 through 2218) resulted in the discovery that certain portions of the electrical conduit runs to the valves violated loop and bus segregation criteria. A more thorough inspection of all valves having power supplies from both non-interruptible instrument buses led to the discovery that many of these valves also had segregation problems.

This is identified as an unusual event in accordance with Technical Specification AC 7-6c.2.

CONDITIONS PRIOR
TO OCCURRENCE:

<u> </u>	Steady State Power	<u> </u>	Routine Shutdown
<u> </u>	Hot Shutdown	<u> </u>	Routine Load Change
<u> X </u>	Cold Shutdown	<u> </u>	Other (specify)
<u> </u>	Refueling Shutdown	<u> </u>	
<u> </u>	Routine Startup	<u> </u>	

The major plant parameters at the time of the event were as follows:

Power	PTR, <u> 0 </u>	MWth
	ELECT <u> 0 </u>	MWe
Secondary Coolant	Pressure <u> 0 </u>	PSIG
	Temperature <u> 0 </u>	°F
	Flow <u> 0 </u>	#/hr
Primary Coolant	Pressure <u> 0 </u>	PSIG
	Temperature <u> ~100 </u>	°F Core Inlet
	<u> ~100 </u>	°F Core Outlet
	Flow <u> 0 </u>	#/hr.

DESCRIPTION OF
OCCURRENCE:

Some of the limit switches that are installed on the steam/water dump valves are used in the control circuitry of valves in the other loop. The power supply cables associated with these switches were installed in the same conduit, which violates Bus 1/Bus 2 non-interruptible bus segregation criteria and loop segregation.

The minimum separation distance criteria was violated on a few valves that are supplied by both non-interruptible buses.

The solenoid controls on some valves are supplied by both non-interruptible buses. The flexible cables to the solenoids do not meet segregation criteria.

APPARENT CAUSE
OF OCCURRENCE:

_____ Design	_____ Unusual Service Cond. Including Environ.
_____ Manufacture	_____ Component Failure
<u> X </u> Installation/Const.	_____ Other (specify)
_____ Operator	_____
_____ Procedure	

ANALYSIS OF OCCURRENCE:

All valves having interlocks between the two loops and/or having power supplies from both non-interruptible buses were inspected for violations. All valves found in violation were referred to the general contractor for review and modification.

CORRECTIVE
ACTION:

All cables, switches, solenoids and junction boxes involved in this inspection have been modified or are in the process of being modified, to meet loop and bus segregation criteria. An audit will be performed by Public Service Company to ensure that all modifications are correct and meet the criteria set forth in the applicable specifications.

FAILURE DATA/SIMILAR REPORTED OCCURRENCES:

None

PROGRAMMATIC IMPACT:

None

CODE IMPACT:

None

Recommended:

H. Larry Brey
H. Larry Brey
Superintendent-Operations
Fort St. Vrain Nuclear
Generating Station

Approved:

Frederic E. Swart
Frederic E. Swart
Supt. Nuclear Production
Fort St. Vrain Nuclear
Generating Station

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