

Public Service Company of Colorado

P. O. Box 361, Platteville, Colorado 80651



January 31, 1975

Mr. E. Morris Howard, Director
Nuclear Regulatory Commission
Region IV, Ofc. of Inspection & Enforcement
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 Report No. 50-267/75/1,
submitted per the requirements of the Technical Specifications.

Very truly yours,

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

FES:11

cc: Mr. Angelo Giambusso

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PDR ADDCK 05000267
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DISTRIBUTIONS

Addressee	Monthly Letter	Financial		Operational	Operating Cost
		Expenditures	and Revenues		
San Francisco Operations Office					
ERDA					
1333 Broadway					
Oakland, California 94612	2	2	2	-	-
Attn: Manager	-	-	-	-	4
Finance & Budget	1	1	-	-	-
Calif. Patent Group					
Division of Reactor Research and Development					
ERDA					
Washington, D. C. 20545	1	1	1	-	-
Attn: Director	-	-	1	-	-
Asst. Dir. for LMFBR Programs	2	2	2	-	-
Asst. Dir. for Gas Cooled Reactor Project	1	1	1	-	-
Asst. Dir. for Engrg. and Technology	1	1	1	-	-
Asst. Dir. for Reactor Safety	1	1	1	1	-
ERDA -SCRPO-SD					
P. O. Box 81325					
San Diego, California 92138	1	1	-	-	-
W. Soule, Project Engr.					
ERDA -SCRPO					
P. O. Box 1446					
Canoga Park, California 91304	1	1	1	-	-
Address --> Director					
Letter --> ERDA -SCRPO					
to --> P. O. Box 1446					
--> Canoga Park, California 91304	3	3	-	-	-
Technical Information Center					
ERDA					
P. O. Box 62					
Oak Ridge, Tennessee 37830	10	10	2	-	-
John W. Landis, President, Power Systems Co.					
General Atomic Company					
P. O. Box 81608					
San Diego, California 92138					
Shari Hall	1	1	1		
Bob Clark	1				
R. Walker	1	1			
F. Swart	1	1	1		
L. Brey	1	1			
D. Rodgers	1				
E. Hill	1				
F. Mathie	1				
W. Billyard	1				
D. Alexander	1				
J. Liebelt	1				
K. Stannard	1				
NRC, Director of Regulations, Washington, D.C. 20545			1		
(Chairman, NFSC)			1 (copy of Howard letter & xerox of mailing)		
A. Glushko	1	1	1		
Oscar Lee	1				
Control Room	1				
D. Warehous			1 (letter) copy of letter to Glushko		
E. Howard			1		
R. Ayres (ERDA letter)					
M. J. Conroy	1				
Philadelphia Electric Company					
2301 Market St.					
Philadelphia, Pa. 19101					

REPORT DATE: January 28, 1975

UNUSUAL EVENT

OCCURRENCE DATE: January 17, 1975

FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
P. O. BOX 361
PLATTEVILLE, COLORADO 80651

REPORT NO. 50-267/75/1

Preliminary

IDENTIFICATION OF
OCCURRENCE:

An electrical inspection of the main control board and auxiliary electrical equipment room revealed discrepancies in maintaining loop and bus segregation requirements according to Specification 1-N-2, Supplement. The segregation violations are the accumulated results of modifications and revisions to the essential circuits since the initial audit involving single failure criteria.

CONDITIONS PRIOR
TO OCCURRENCE:

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

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

Power	RTR	<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 colored insulated wires used in the electrical installation work to denote non-interruptible Bus 1 and Bus 2 circuits and also some of the hand switches and relays used in essential circuits were not separated by the minimum distance to maintain segregation requirements.

APPAARENT CAUSE
OF OCCURRENCE:

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

ANALYSIS OF OCCURRENCE:

Wiring and schematic diagrams and the work sheets used during an original electrical audit were reviewed to ensure that any modifications or revisions to essential circuits did not violate segregation requirements. All discrepancies found were referred to the general contractor for review and correction.

CORRECTIVE
ACTION:

All colored insulated wires used in essential circuits that do not meet segregation requirements will be zipper tubed or changed to high temperature insulated wires. Hand switches and relays used in essential circuits that do not meet segregation requirements will be separated by asbestos barrier boards. An inspection will be performed by Public Service Company to ensure that all electrical installation work is correct and meets segregation criteria.

FAILURE DATA/
SIMILIAR REPORTED OCCURRENCES:

NONE

PROGRAMMATIC IMPACT:

NONE

CODE IMPACT:

NONE

RECOMMENDED:

James Reader
James Reader
Site Engineer
Fort St. Vrain Nuclear
Generating Station

APPROVED:

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

Public Service Company of Colorado

P. O. Box 361, Platteville, Colorado 80651

6,
February 3, 1975

Director
ERDA - SCRPO
P. O. Box 1446
Canoga Park, California 91304

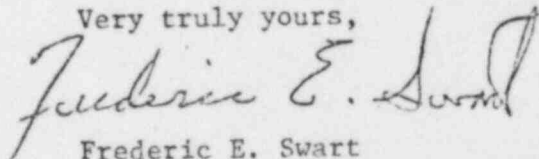
REF: Facility Operating License
No. DPR-34

Docket No. 50-267

Dear Sir:

Enclosed please find a copy of Unusual Event Report No. 50-267/75/1, submitted to the Directorate of Licensing, for your information. Additional distribution of this report is being made as indicated on the attached.

Very truly yours,



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

FES:il

REPORT DATE: February 26, 1975

UNUSUAL EVENT

OCCURRENCE DATE: January 17, 1975

FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO
P. O. BOX 361
PLATTEVILLE, COLORADO 80651



REPORT NO. 50-267/75/1-A

FINAL

IDENTIFICATION OF
OCCURRENCE:

An electrical inspection of the main control board and auxiliary electrical equipment room revealed discrepancies in maintaining loop and bus segregation requirements according to Specification 1-N-2, Supplement. The segregation violations are the accumulated results of modifications and revisions to the essential circuits since the initial audit involving single failure criteria.

CONDITIONS PRIOR
TO OCCURRENCE:

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

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

Power	RTR _____	0 _____	MWth
	Elect. _____	0 _____	MWe
Secondary Coolant	Pressure _____	0 _____	psig
	Temperature _____	0 _____	°F
	Flow _____	0 _____	#/hr.
Primary Coolant	Pressure _____	0 _____	psig
	Temperature _____	~100 _____	°F Core Inlet
		~100 _____	°F Core Outlet
	Flow _____	0 _____	#/hr.

DESCRIPTION OF
OCCURRENCE.:

Some of the colored insulated wires used in the electrical installation work to denote non-interruptible Bus 1 and Bus 2 circuits and also some of the hand switches and relays used in essential circuits were not separated by the minimum distance to maintain segregation requirements.

APPARENT CAUSE
OF OCCURRENCE:

_____ Design _____ Unusual Service Cond.
Including Environ.

_____ Manufacture _____ Component Failure

 X Installation/Const. _____ Other (specify)

_____ Operator _____

_____ Procedure _____

ANALYSIS OF
OCCURRENCE:

Wiring and schematic diagrams and the work sheets used during an original electrical audit were reviewed to ensure that any modifications or revisions to essential circuits did not violate segregation requirements. All discrepancies found were referred to the general contractor for review and correction.

CORRECTIVE
ACTION:

All colored insulated wires used in essential circuits that do not meet segregation requirements have been zipper tubed or changed to high temperature insulated wires. Hand switches and relays used in essential circuits that do not meet segregation requirements have been separated by asbestos barrier boards on February 11, 1975. An inspection was performed by Public Service Company to ensure that all electrical installation work is correct and meets segregation criteria.

FAILURE DATA/
SIMILIAR REPORTED OCCURRENCES:

None

PROGRAMMATIC IMPACT:

None

CODE IMPACT:

None

RECOMMENDED:

James Reader²⁸
James Reader
Site Engineer
Fort St. Vrain Nuclear
Generating Station

APPROVED:

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