

REPORT DATE: December 22, 1975

ABNORMAL OCCURRENCE 74/23A

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OCCURRENCE DATE: December 22, 1975
P.O. Box 361, Platteville, Colorado 80651

FORT ST. VRAIN
PUBLIC SERVICE

PLATTEVILLE

REPORT



GENERATING STATION
RAIDO

December 22, 1975
Fort St. Vrain
Unit No. 1
P-75036

IDENTIFICATION OF

Mr. E. Morris Howard, Director
Nuclear Regulatory Commission

Region IV LA declutched during a two hour sur-
Office of Inspection and Enforcement

Suite 1000
Arlington, Texas 76012

TO: Steady State Power Routine Shutdown

Ref: Facility Operating License
No. DPR-34 Load Change

X Cold Shutdown Docket No. 50-267 Other (specify)

Dear Mr. Howard: Refueling Shutdown Plant out of service to change

Enclosed please find a copy of Abnormal Occurrence Report No. 50-267/74/23A, Final, submitted per the requirements of the Technical Specifications.

Power

Very truly yours, 0 MWh

ELECT 0 MWe

Secondary Coolant

Pressure 0 psig

Frederic E. Swart
Superintendent, Nuclear Production

Fort St. Vrain Nuclear
Generating Station 0 g/hr.

FES/alk
Primary Coolant

Pressure N/A psig

cc: Mr. Roger S. Boyd

Temperature N/A °F Core Inlet

N/A °F Core Outlet

Flow 0 g/hr.

8311090009 751222
PDR ADDCK 05000267
S PDR

14263

REPORT DATE: December 22, 1975

ABNORMAL OCCURRENCE 74/23A

OCCURRENCE DATE: December 11, 1974

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

REPORT NO. 50-267/74/23A

Final

IDENTIFICATION OF
OCCURRENCE:

Engine A of standby diesel generator 1A declutched during a two hour surveillance run and no alarms annunciated.

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>	Plant out of service to change
<u> </u>	Routine Startup	<u> </u>	circulator pelton wheels.

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> N/A </u>	psig
	Temperature	<u> N/A </u>	°F Core Inlet
		<u> N/A </u>	°F Core Outlet
	Flow	<u> 0 </u>	#/hr.

DESCRIPTION OF
OCCURRENCE:

During the two hour weekly surveillance test at 1/2 load, engine A of standby generator 1A declutched. No alarms annunciated.

On a second attempt the engine again declutched as soon as the unit was started. Again no alarms annunciated.

**APPARENT CAUSE
OF OCCURRENCE:**

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

Dirt under the seat of the solenoid valve to the clutch operating cylinder allowed the cylinder air pressure to decay, and the unit to declutch.

No alarms came on because the valve had not operated and because the alarm actuating switch had not been made up when the clutch was engaged, due to an improper adjustment.

ANALYSIS OF OCCURRENCE:

The air line to the solenoid contains sufficient small foreign particles to cause leakage through the solenoid valve when these particles become lodged under the seat.

CORRECTIVE
ACTION:

It has been recognized for some time that this occurrence was a possibility. Accordingly Plant Change Notice No. 12 was initiated some time ago and was approved in December, 1974. This change notice provides in-line filters in the air lines to the solenoid valves, to remove any foreign material which might interfere with solenoid valve operation.

The position of the alarm limit switch relative to the clutch operating cylinder is now checked periodically and cylinder adjustments are made as required to ensure alarm actuation on declutching.

FAILURE DATA/SIMILAR REPORTED OCCURRENCES:

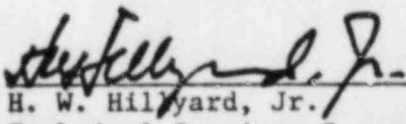
None

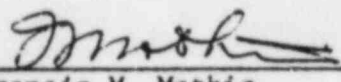
PROGRAMMATIC IMPACT:

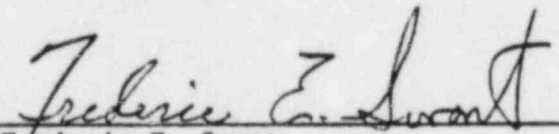
None

CODE IMPACT:

None

Submitted by: 
H. W. Hilyard, Jr.
Technical Services Supervisor

Reviewed by: 
Francis M. Mathie
Superintendent, Maintenance

Approved by: 
Frederic E. Swart
Superintendent, Nuclear Production