

CONTROL BLOCK: 

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 ① (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

REPORT SOURCE 1 6 0 5 0 0 0 2 6 7 7 1 1 1 1 0 3 3 8 1 2 0 9 8 3 9

7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

09		SYSTEM CODE C B		11	CAUSE CODE X		12	CAUSE SUBCODE Z		13	COMPONENT CODE Z Z Z Z Z Z Z					14	COMP. SUBCODE Z		15	VACCD SUBCODE Z		16								
7	8	9	10		11		12		13						14		15		16											
17		LER/RO REPORT NUMBER		EVENT YEAR 8 3		21	22	SEQUENTIAL REPORT NO. 0 4 9		24	25	26	OCCURRENCE CODE /		27	REPORT TYPE 0 3		28	29	REVISION NO. 0		32								
ACTION TAKEN X		FUTURE ACTION Z		EFFECT ON PLANT Z		33	34	SHUTDOWN METHOD Z		37	38	39	40	HOURS 0 0 0 0		41	ATTACHMENT SUBMITTED Y		42	NPRD-4 FORM SUB N		43	PRIME COMP. SUPPLIER Z		44	45	46	47	COMPONENT MANUFACTURER Z 9 9 9	
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

FACILITY STATUS (28) E    % POWER (29) 0 5 5    OTHER STATUS (30) N/A  
 ACTIVITY CONTENT RELEASED OF RELEASE (33) Z    AMOUNT OF ACTIVITY (35) N/A  
 METHOD OF DISCOVERY (31) A    DISCOVERY DESCRIPTION (32) Primary coolant chemistry analysis  
 LOCATION OF RELEASE (36) N/A

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	2	0	0	0	N/A

8312200123 831209  
PDR ADCK 05000267  
S PDR

7 8 9 10  
PUBLCITY  
ISSUED DESCRIPTION (45)  
2 0 N (44) N/A  
68 69 80  
NRC USE ONLY

NAME OF PREPARER

PHONE: (303) 785-2224

REPORT DATE: December 9, 1983

REPORTABLE OCCURRENCE 83-049

ISSUE 0

OCCURRENCE DATE: November 10, 1983

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

REPORT NO. 50-267/83-049/03-L-0

Final

IDENTIFICATION OF  
OCCURRENCE:

On November 10, 1983, from 1506 hours to 1644 hours, the reactor was operated in a degraded mode of LCO 4.2.10. This event is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT  
DESCRIPTION:

At approximately 1506 hours on November 10, 1983, with the average core outlet temperature greater than 1200 degrees fahrenheit, the concentration of total primary coolant oxidants (sum of water, carbon monoxide, and carbon dioxide) exceeded 10 parts per million (ppm) by volume. The event lasted for a total of 1.6 hours with a maximum concentration of 10.4 ppm being reached at 1600 hours on November 10, 1983. The event ended at 1644 hours when the total oxidant concentration dropped below the 10 ppm limit.

CAUSE  
DESCRIPTION:

Other.

On October 29, 1983, the plant experienced a turbine generator trip and reactor scram transient. During the transient, a helium circulator buffer helium upset occurred. The buffer helium upset resulted in a surge of bearing water up the 1A circulator shaft and a consequent increase in the primary coolant moisture level.

After start-up on November 3, 1983, the average core outlet temperature was gradually increased, as moisture levels allowed. The reactor had been operating above 1200 degrees fahrenheit with the total oxidants below 10 ppm when the oxidant concentration increased above the 10 ppm level.

CORRECTIVE  
ACTION:

The helium purification system was utilized to reduce the primary coolant impurity levels. The total primary coolant oxidant concentration dropped below the 10 ppm limit to terminate the degraded operations within the requirements of LCO 4.2.10.

No further corrective actions anticipated or required.

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