

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Monticello										DOCKET NUMBER (2) 0 5 0 0 0 2 6 1 3				PAGE (3) 1 OF 0 2	
TITLE (4) Failure of HPCI Isolation Valve Time Delay Relay															
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)					
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)		
0 1	0 9	8 4	8 4	0 0 3	0 0	0 2	0 8	8 4					0 5 0 0 0		
OPERATING MODE (9) N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)													
POWER LEVEL (10) 0 1 7 1 5		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)	
		20.405(a)(1)(i)				50.36(c)(1)				XX 50.73(a)(2)(v)				73.71(c)	
		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)					
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)					
LICENSEE CONTACT FOR THIS LER (12)															
NAME A. V. Wojchowski, Production Engineer										TELEPHONE NUMBER 6 1 2 2 9 5 - 5 1 5 1					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)															
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs					
X	B 1 J	2 1 1 1	A 1 1 0 1 9	Y											
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)			
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO			

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

During normal operation, while performing HPCI High Steam Flow Sensor Test and Calibration Procedure, the time delayed High Steam Flow Isolation signal exceeded the Technical Specification limit of sixty seconds. A very small amount of foreign material was found loose between the diaphragm exhaust and the timing groove on the Agastat time delay relay. It is believed that this small amount of material is the cause for the erratic delay times. Exact replacement relay installed and tested satisfactorily. No further corrective actions are required.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Monticello	05000263	84	003	00	02	OF	02

TEXT (If more space is required, use additional NRC Form 365A's) (17)

On January 9, 1984, during normal operation at approximately 0900, while performing High Pressure Core Injection System (HPCI) (BJ) High Steam Flow Sensor Test and Calibration Procedure #0056 and #0057, test personnel discovered that the time delayed High Steam Flow Isolation signal exceeded the Technical Specification limit of sixty seconds. The original measured time delay was sixty-three seconds.

Investigation revealed that the time delay relay was operating erratically.

The Agastat model E7014PD002, 125 Volts Direct Current, 10 to 100 seconds time delay relay (2) was replaced with an exact replacement relay. The new relay was tested satisfactorily on January 9, 1984 at 1630 hours.

The failed relay (2) was dismantled and inspected. A very small amount of foreign material was found loose between diaphragm exhaust and the timing groove. It is believed that this small amount of material is the cause for the erratic delay times.

If a high sustained steam flow of $\geq 150,000$ lbs/hr would have been experienced, prior to the sporadic relay replacement, the redundant isolation relay would have isolated the HPCI steam lines.

There has been no previous similar reportable occurrence. This event did not affect the public safety and health.

This event is reportable in accordance with 10CFR50.73(a)(2)(v), since with one HPCI isolation instrument channel inoperable, Technical Specifications require HPCI steam lines to be isolated.

No further corrective actions are required.



Northern States Power Company

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Minneapolis, Minnesota 55401
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February 8, 1984

U S Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Failure of HPCI Isolation Valve Time Delay Relay

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72 on January 9, 1984.

for *M.M. Vuk*
David Musolf
Manager - Nuclear Support Services

DMM/MMV/dab

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
MPCA
Attn: J W Ferman

Attachment

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