

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Monticello										DOCKET NUMBER (2) 0 5 0 0 0 2 6 3										PAGE (3) 1 OF 0 2			
TITLE (4) E-Mode of EFT Actuated by Toxic Chemical Detector Tape Break																							
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	2	0	7	8	4	8	4	0	0	9	0	0	0	3	0	8	8	4	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)																					
POWER LEVEL (10)		20.402(b)			20.405(a)			<input checked="" type="checkbox"/> 50.73(a)(2)(iv)			73.71(b)												
0 1 0 1 0		20.405(a)(1)(i)			50.36(a)(1)			50.73(a)(2)(v)			73.71(a)												
		20.405(a)(1)(ii)			50.36(a)(2)			50.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 365A)												
		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 Michael F. Hammer, I&C Engineer										TELEPHONE NUMBER AREA CODE 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 NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS														
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR									
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO													

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

The EFT System (Control Room HVAC) transferred to the emergency mode as the result of a tape break on a toxic chemical detector.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/86

FACILITY NAME (1)  Monticello	DOCKET NUMBER (2)  0 5 0 0 0 2 6 3 8 4 - 0 0 9 - 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 365a's) (17)

During cold shutdown on February 7, 1984 at approximately 1033 the EFT System (Control Room HVAC system) (System Code VI) automatically transferred to the toxic chemical emergency mode (isolation of outside air intake and exhaust) when the ammonia monitor AT 9031 (MDA Scientific Model 7060 FAN) (Component Code AA) detector tape broke resulting in a spurious trip of the monitor. The tape was repaired and the EFT system returned to normal operation.

Cause of the event was excessive friction between the optics block and the tape. The optics block spring tension had been increased just prior to the event to reduce sample leakage around the block. Immediate corrective action was to reduce the spring tension; subsequently, the optics block was replaced. Operation of the monitor since the event has been satisfactory.

There was no effect on public health and safety because the safety function of the EFT system was initiated.

Similar events occurred during cold shutdown on February 15, 1984 at approximately 2330 involving hydrogen sulfide monitor AT 9041 (MDA Scientific Model 7010 FAN); on February 17, 1984 at approximately 0530 involving chlorine monitor AT 9046B (MDA Scientific Model 7040 FAN); and on February 20, 1984 at approximately 0600 involving chlorine monitor AT 9046A (MDA Scientific Model 7040 FAN). In each case, the detector tape broke resulting in a spurious trip of the monitor which initiated the toxic chemical emergency mode of the EFT system. The tapes were repaired and the EFT system returned to normal operation.

During cold shutdown on March 7, 1984 at approximately 2345, a spurious trip of chlorine monitor AT 9046B (MDA Scientific Model 7040 FAN) initiated the toxic chemical emergency mode of the EFT system when the tape cassette jammed, preventing movement of the tape. The cassette was repaired and the EFT system returned to normal operation.

Investigation revealed no apparent cause for these events. We are working with the manufacturer to identify and correct the source of these problems.

There was no effect on public health and safety because the safety function of the EFT system was initiated.

There have been five previous similar tape break occurrences, none of which resulted in spurious trips of the monitors.



Northern States Power Company

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Minneapolis, Minnesota 55401  
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March 8, 1984

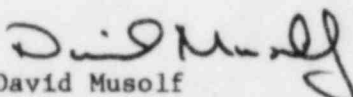
U S Nuclear Regulatory Commission  
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Washington, DC 20555

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

E-Mode of EFT Actuated by Toxic Chemical Detector Tape Break

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72 on February 7, 1984, February 15, 1984, February 17, 1984, February 20, 1984 and March 7, 1984.

  
David Musolf  
Manager - Nuclear Support Services

DMM/bd

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

Attachment

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