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On May 9, 1986, the EFT System (Control Room HVAC) automatically transferred to the toxic chemical mode as a result of a hydrogen chloride monitor tape break which resulted in a spurious trip of the monitor. The tape was advanced past the break, the monitor reset and the EFT System returned to the normal mode of operation.

The cause of the event was a small imperfection on the tape which caught on the detector head, tearing the tape, and caused a spurious trip of the monitor. The manufacturer has stated that occasional imperfections during manufacture of the tape cannot be entirely eliminated.

Subsequent operation has been satisfactory. No further, short term, corrective action is planned.

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YES (If yes, complete EXPECTED SUBMISSION DATE)

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

NRC Form 366A (9-83) LICENSEE EVEN		U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES. 8/31/85						
FACILITY NAME (1)	DOCKET NUMBER (2)	LE	R NUMBER (6)		PAGE (3)			
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During refueling operation on May 9, 1986, at approximately 1105hrs, the EFT System (Control Room HVAC)(System Code VI) automatically transferred to the toxic chemical emergency mode due to a spurious trip of Hydrogen Chloride monitor AT-9036 (MDA Scientific Model 7025 FAN)(Component Code AA), caused by a broken detector tape. The tape was advanced past the break, the monitor reset, and the EFT System returned to the normal mode of operation. Subsequent operation has been satisfactory.

The cause of the event was a small imperfection on the tape surface which caught on the detector head, tearing the tape and initiating a monitor trip.

A visit to the manufacturer's facility has been made by plant engineering personnel in an attempt to resolve the tape quality problem. The manufacturer stated that an occasional tape imperfection occurrence is almost impossible to prevent because the entire length of each tape cannot be inspected during manufacture.

As a long term solution, a license amendment request has been submitted to the NRC for removal of this monitor.

No further, short term, corrective action is planned.

There have been five previous, similar events, LER 85-06, LER 85-16, LER 85-17, LER 85-21 and LER 86-04.

There was no effect on public health or safety because the safety function of the EFT System was initiated.





## Northern States Power Company

414 Nicollet Mall Minneapolis, Minnesota 55401 Telephone (612) 330-5500

June 4, 1986

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

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

EFT Trip Due To Broken HCL Tape

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per  $10\ \text{CFR}$  Part  $72\ \text{on May 9, 1986.}$ 

Thruica M. Vik

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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