

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
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TITLE (4)  
Emergency Diesel Generator Starts Associated with IAR Transformers

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	9	15	8	4	8	4	0	2	9	0	0	1	0	1	5	8	4	0	5	0	0	0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (9) N	<input type="checkbox"/> 20.402(b)	<input checked="" type="checkbox"/> 20.406(a)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(a)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(a)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 388A)
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)	
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)	
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Jack Nystrom - Senior Production Engineer	TELEPHONE NUMBER AREA CODE: 6   1   2 2   9   5   -   5   1   5   1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)       NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

While restoring IAR auxiliary reserve transformer to service, the transformer supply breaker disconnects were closed out of sequence; also, the potential transformer fuses for the transformer were not reinstalled before removing the emergency diesel generator auto-start isolation. Both instances caused a start of #12 emergency diesel generator.

Offsite power to the plant was being supplied by the IAR reserve transformer during this time and these occurrences had no effect on plant operations. The diesel was subsequently shut down in both instances.

Corrective actions include a modification to eliminate automatic anticipatory starts of the diesels. Also, a review of outage and restoration procedures will be performed by plant engineers. In addition, training will be provided to Operations personnel regarding bus potential transformers.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES: 9/31/85

FACILITY NAME (1)  Monticello	DOCKET NUMBER (2)  0 5   0   0   0   2   6   3 8   4	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8   4	- 0   2   9	- 0   0	0   2	OF 0   2	

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On September 15, 1984, at 18:35 and at 19:33 C.D.T., during a maintenance/refueling outage, #12 emergency diesel generator (EK) automatically started. These starts resulted while restoring the IAR auxiliary reserve transformer (XFMR) to service.

The first start was initiated when transformer breaker (BKR) supply side disconnects (DISC) were closed while the breaker was in a closed position. Differential current relays (87) tripped, actuated the lockout relay (86), and actuated the diesel auto start relay (95).

The second start was initiated when the emergency diesel generator auto start isolation switches (8) were closed before power was provided to the auto start logic from the auxiliary reserve transformer potential transformers (XPT). An auxiliary reserve transformer undervoltage relay (95) actuated the diesel auto start relay.

Both starts occurred as intended by design with no component or operational failures within the system. The #11 emergency diesel generator was secured out of service at the time because of a modification installation. Offsite power to the plant, at the time of the event, was supplied by the IR reserve transformer (XFMR) and plant operation was not affected. Plant load was not transferred to the diesel generator and the diesel was subsequently shut down after each start.

The cause of this event is attributed to an unclear and inadequate restoration procedure with a contributing cause being personnel error. Corrective actions include a planned modification to eliminate automatic anticipatory starts of the diesels. Also, an administrative instruction was issued which requires review of all outage and restoration procedures to be performed by plant engineers. In addition, training will be provided to Operations personnel regarding bus potential transformers.

This occurrence had no effect on public health or safety. No other similar previous reportable events have occurred.



Northern States Power Company

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Minneapolis, Minnesota 55401  
Telephone (612) 330-5500

October 15, 1984

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

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

Emergency Diesel Starts Associated With IAR Transformer

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72 on September 15, 1984.

*for* *Monica 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

IE22  
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