

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) 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)							
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0 9		1 5		8 4		8 4		0 2		9		0 0		1 0		1 5		8 4								0 5 0 0 0					
OPERATING MODE (9) N						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																									
POWER LEVEL (10) 0 0 0						20.402(b)						20.406(a)						X 50.73(a)(2)(iv)						73.71(b)							
						20.406(a)(1)(i)						50.36(a)(1)						50.73(a)(2)(v)						73.71(a)							
						20.406(a)(1)(ii)						50.36(a)(2)						50.73(a)(2)(vi)						OTHER (Specify in Abstract below and in Text, NRC Form 365A)							
						20.406(a)(1)(iii)						50.73(a)(2)(i)						50.73(a)(2)(vii)(A)													
						20.406(a)(1)(iv)						50.73(a)(2)(ii)						50.73(a)(2)(vii)(B)													
20.406(a)(1)(v)						50.73(a)(2)(iii)						50.73(a)(2)(x)																			
LICENSEE CONTACT FOR THIS LER (12)																								TELEPHONE NUMBER							
NAME Jack Nystrom - Senior Production Engineer																								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 NPROS				CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPROS											
SUPPLEMENTAL REPORT EXPECTED (14)																								EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR	
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO																			
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																															
<p>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.</p> <p>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.</p> <p>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.</p>																															
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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 - 0 2 9 - 0 0 0 2 OF 0 2	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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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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
1/1