

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8910030520	DOC.DATE: 89/09/29	NOTARIZED: NO	DOCKET #
FACIL:50-263	Monticello Nuclear Generating Plant,	Northern States	05000263
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RECIP.NAME	RECIPIENT AFFILIATION		

SUBJECT: LER 89-016-00:on 890830,auto start of Emergency Diesel  
Generator 11 due to incorrect jumper specified. W/8 ltr.

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TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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NRR/DREP/RPB 10			2	2	NUDOCS-ABSTRACT			1	1
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EXTERNAL: EG&G WILLIAMS, S			4	4	L ST LOBBY WARD			1	1
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Northern States Power Company

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September 29, 1989

Report Required by:  
10 CFR Part 50,  
Section 50.73

U S Nuclear Regulatory Commission  
Attn: Document Control Desk  
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MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Auto Start of #11 Emergency Diesel Generator  
Due to Incorrect Jumper Specified

The Licensee Event Report for this occurrence is attached.

This event was reported via the Emergency Notification System in accordance with 10 CFR Part 72, on August 30, 1989.

*Jacqueline Gilchrist*

Thomas M. Parker  
Manager  
Nuclear Support Services

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

Attachment

*E22*  
*11*

8910030520 890929  
PDR ADQCK 05000263  
S FDC

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) MONTICELLO NUCLEAR GENERATING PLANT										DOCKET NUMBER (2) 0 5 0 0 0 2 6 3				PAGE (3) 1 OF 0 3		
TITLE (4) Auto Start Of #11 Emergency Diesel Generator Due To Incorrect Jumper Specified																
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 8	3 0	8 9	8 9	0 1 6	0 0	0 9	2 9	8 9					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(c)				XX 50.73(a)(2)(iv)				73.71(b)	
			20.406(a)(1)(i)				50.38(a)(1)				50.73(a)(2)(v)				73.71(c)	
			20.406(a)(1)(ii)				50.38(a)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
			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)																
NAME Michael J Langford, Senior I & C Engineer										TELEPHONE NUMBER AREA CODE 6 1 2 2 9 5 - 1 3 1 2						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE: XX NO																

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

While the plant was shutdown in the refuel mode, the #11 Emergency Diesel Generator started automatically when a temporary jumper was incorrectly specified and installed due to personnel error. All bypasses associated with the work were removed and the diesel generator was returned to emergency standby condition. The engineer involved was counseled. Plant procedures for bypass control will be strengthened.

## 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 Nuclear Generating Plant	05000263	89	016	00	02	OF	03

TEXT (If more space is required, use additional NRC Form 368A's) (17)

DESCRIPTION

At 1110 CDST on August 30, 1989, while the plant was shutdown for refueling, the #11 Emergency Diesel Generator (EDG)(EK) started automatically. A temporary jumper was incorrectly specified and installed in the reactor water level monitoring logic of the Emergency Core Cooling System (ECCS) (BJ)(BN)(BG) in preparation for scheduled plant work. Only the Emergency Diesel Generator started as other systems in the Emergency Core Cooling System were secured for maintenance. Plant operating personnel immediately correlated the starting of the Emergency Diesel Generator with the jumper installation and stopped the work in progress. The incorrect jumper was removed and the Emergency Diesel Generator returned to emergency standby condition in accordance with normal operating procedures. The plant was returned to the conditions existing prior to the event by 1150 CDST on August 30, 1989, 40 minutes after initiation of the event.

CAUSE

The root cause of this event was a cognitive personnel error.

The engineer who prepared the work document, including the jumper-bypass form, had properly specified jumpers for other circuitry up to the point of installing jumpers for the Emergency Core Cooling System circuitry where the event occurred. The circuitry prior to the Emergency Core Cooling System circuitry specified for jumpering was de-energized to trip. The Emergency Core Cooling System circuitry, in the region where the jumpers were incorrectly installed, is energized to trip. The engineer in preparing the jumper-bypass form overlooked the reversal to the energized state of the circuitry when this point was reached and continued in the de-energized to trip mode, thus causing the event. This was due to a lack of attention to detail.

The review process was not explicit enough to direct the reviewer to look for this particular error.

ANALYSIS

There was no failure associated with this event. The Emergency Diesel Generator functioned as designed, and other ECCS systems did not initiate due to plant conditions. The event had no effect on plant mode or condition which was at all times in a stable condition. At no time was there a threat to public safety, degradation of any system which affects public safety, or departure from a previously analyzed plant condition.

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  Monticello Nuclear Generating Plant	DOCKET NUMBER (2)  050026389	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		89	016	00	03	OF	03

TEXT (If more space is required, use additional NRC Form 366A-1) (17)

## CORRECTIVE ACTIONS

1. The engineer involved was counseled.
2. Plant procedures for bypass control will be revised to strengthen the technical review of bypasses.

## ADDITIONAL INFORMATION

Failed Component Identification

None

## PREVIOUS SIMILAR EVENTS

One other isolation error resulting in actuation of an engineered safeguard feature (ESF) has been reported at Monticello by LER 84-023. Corrective actions for that event resulted in a plant design change which did not address the causes of this event.