

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

Prairie Island Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 2 8 2 1 OF 0 2

PAGE (3)

TITLE (4)

Inadvertent automatic start of D1 Diesel Generator

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	05	8	4	8	4	0	0	7	0	0	1	0	0	5	8	4	Prairie Island Unit 2	0	5	0	0	0	3	0	6
																			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)																								
N		20.402(b)			20.408(a)			<input checked="" type="checkbox"/> 50.73(a)(2)(iv)			73.71(b)															
POWER LEVEL (10)		0 9 6			20.408(a)(1)(i)			50.73(a)(2)(v)			73.71(a)															
		20.408(a)(1)(ii)			50.73(a)(2)(vi)			50.73(a)(2)(vii)(A)			OTHER (Specify in Abstract below and in Text, NRC Form 385A)															
		20.408(a)(1)(iii)			50.73(a)(2)(vii)(B)			50.73(a)(2)(viii)(A)																		
		20.408(a)(1)(iv)			50.73(a)(2)(viii)(B)			50.73(a)(2)(ix)																		
		20.408(a)(1)(v)			50.73(a)(2)(ix)																					

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Arne A Hunstad, Staff Engineer	6 1 2 3 8 8 - 1 1 2 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)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input checked="" type="checkbox"/>	<input type="checkbox"/>				

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

During performance of an isolation procedure for testing, a procedural inadequacy caused an inadvertent automatic start of a diesel generator. The procedure has been revised.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Prairie Island Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 8 2 8 4 - 0 0 7 - 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

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

On September 5, 1984 Unit 1 was at 96% power and Unit 2 was shutdown for refueling. At about 2200 hours the Unit 2 Train A DC loads were transferred to their alternate source, the Unit 1 Train A battery (EJ), to prepare for isolation and testing of Unit 2's No. 21 Battery. The specific switches (HS) that were transferred supply DC power to Safeguards Rack (RK) 2ASG1 and 4KV Safeguards Bus (BU) 26. Following this work, at about 2300 hours, a Control Room Operator observed that D1 Diesel Generator (EK)(DG) had started and was running unloaded. A review of the computer logs revealed no entry concerning the diesel generator and no reason for it to start.

The cause of this event was procedural inadequacy. During the transfer of DC power for Bus 26, the voltage restoration scheme sensed an apparent loss of voltage on Bus 26 even though the undervoltage relays (27) were still energized. This was due to drop-out of the undervoltage slave relays (RLY) which are powered by the DC supply to the Bus. This loss of voltage signal did not initiate the voltage restoration scheme nor trip any breakers (BKR) since DC power was not available; however, it did start D1 Diesel Generator without Control Room annunciation.

The procedure for use of the transfer switches was revised to require placing the voltage restoration switch in manual before operating the DC transfer switch.

This event is not repetitive. Public health and safety were unaffected.



Northern States Power Company

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October 5, 1984

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

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
50-306 DPR-60

Inadvertent Automatic Start of D1 Diesel Generator

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72 on September 6, 1984.

for Eugene Eckholt
David Musolf
Manager - Nuclear Support Services

DMM/EFE/dab

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

Attachment

*LE22
1/1*