

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Prairie Island Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 0 2 8 2 1	PAGE (3) 1 OF 0 1 2
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TITLE (4)
Both diesel generators started on loss of 2RY transformer

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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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9)</td> <td style="width:15%;">N</td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) 1 0 0</td> <td></td> <td>20.402(b)</td> <td></td> <td>20.405(a)</td> <td><input checked="" type="checkbox"/></td> <td>50.73(a)(2)(iv)</td> <td></td> <td>73.71(b)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(i)</td> <td></td> <td>50.38(a)(1)</td> <td></td> <td>50.73(a)(2)(v)</td> <td></td> <td>73.71(e)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(ii)</td> <td></td> <td>50.38(c)(2)</td> <td></td> <td>50.73(a)(2)(vii)</td> <td></td> <td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(iii)</td> <td></td> <td>50.73(a)(2)(i)</td> <td></td> <td>50.73(a)(2)(viii)(A)</td> <td></td> </tr> <tr> <td></td> <td>20.405(a)(1)(iv)</td> <td></td> <td>50.73(a)(2)(ii)</td> <td></td> <td>50.73(a)(2)(viii)(B)</td> <td></td> </tr> <tr> <td></td> <td>20.405(a)(1)(v)</td> <td></td> <td>50.73(a)(2)(iii)</td> <td></td> <td>50.73(a)(2)(ix)</td> <td></td> </tr> </table>												OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)										POWER LEVEL (10) 1 0 0		20.402(b)		20.405(a)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)		73.71(b)		20.405(a)(1)(i)		50.38(a)(1)		50.73(a)(2)(v)		73.71(e)		20.405(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)		20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)			20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)			20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)	
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LICENSEE CONTACT FOR THIS LER (12)

NAME Arne A. Hunstad, Staff Engineer	TELEPHONE NUMBER 6 1 2 3 8 8 - 1 1 2 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
B	E 1 A	8 6	G 0 8 1 0	Y					

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)

During normal operation of both units, relay misoperation caused lockout of 2RY transformer and auto-start of both diesel generators. The relay will be replaced.

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PDR ADOCK 05000282
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

TEXT (If more space is required, use additional NRC Form 388A's) (17)

At 0934 on July 18, 1984, during normal operation of both units, an electrical lockout of Reserve Transformer (XFMR) 2RY was caused by misoperation of a General Electric 12HEA61A Lockout Relay (86). The lockout caused control room annunciation and initiation of the voltage restoration scheme on 4KV buses (BU) 25 and 26. Both diesel generators (DG) started automatically as required and ran unloaded since redundant offsite power sources were supplying the buses. The cause of the event was determined and normal electrical configuration was reestablished after one hour and 54 minutes.

In October 1983 General Electric issued Service Advice #721-PSM-175.1 alerting customers of potential misoperations of certain HEA relays. They proposed a test to identify those relays which could misoperate. Eleven suspect (installed) relays were tested and three showed the potential for misoperation; the relay that caused this event was one of those three. As a result of the test a purchase order was issued in November 1983 to procure three replacement relays. The relays have arrived and replacement was (and is) scheduled for Unit 2 refueling in September.

Public health and safety were unaffected. There have been no previous similar events.



Northern States Power Company

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

August 17, 1984

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

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket No. 50-282 License No. DPR-42
306 60

Both Diesel Generators Started Upon Loss
of 2RY Transformer

The License Event Report for this occurrence is attached.

This event was reported via Emergency Notification System per 10 CFR Part 72
on July 18, 1984.

Eugene Eckholt

for David Musolf
Manager - Nuclear Support Services

DMM/EFE/bd

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

Attachment

IE22

11