



**Northern States Power Company**

**Prairie Island Nuclear Generating Plant**

1717 Wakonade Dr. East  
Welch, Minnesota 55089

March 3, 2000

Technical Specifications 6.7.A.3

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

**Monthly Operating Report  
February, 2000**

Attached is the Monthly Operating Report for February, 2000 for the Prairie Island Nuclear Generating Plant.

Joel P. Sorensen  
Site General Manager  
Prairie Island Nuclear Generating Plant

c: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
NRC Resident Inspector  
State of Minnesota – Steve Minn

Attachment

IE24

**DOCKET NO. 50-282**  
**UNIT PRAIRIE ISLAND NO. 1**  
DATE 3/2/2000  
COMPLETED BY DALE DUGSTAD  
PHONE 651-388-1121-4376

**NARRATIVE SUMMARY OF OPERATING EXPERIENCE**

**MONTH: FEBRUARY 2000**

During the month of February, Unit 1 was base loaded. There were no shutdowns or power reductions.

There were 29 days during this month of February.

There are no other items to report.

CURRENT CONTINUOUS OPERATING RUN OF 278 DAYS

DOCKET NO. 50-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE 3/2/2000  
 COMPLETED BY DALE DUGSTAD  
 PHONE 651-388-1121-4376

**OPERATING DATA REPORT**

**OPERATING STATUS**

- 1. UNIT NAME: PRAIRIE ISLAND NO. 1
- 2. REPORTING PERIOD: FEBRUARY 2000
- 3. LICENSED THERMAL POWER (MWT): 1650
- 4. NAMEPLATE RATING (GROSS MWE): 593
- 5. DESIGN ELECTRICAL RATING (NET MWE): 536
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 554
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 522
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 - 7) SINCE LAST REPORT, GIVE REASON:  
 NONE
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
- 10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	696	1440	229728
12. NUMBER OF HOURS REACTOR CRITICAL	696.0	1440.0	197928.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	696.0	1440.0	196023.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1143720	2368771	312073664
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	399880	827640	103393230
18. NET ELECTRICAL ENERGY GENERATED (MWH)	381040	788521	97300782
19. UNIT SERVICE FACTOR	100.0	100.0	85.3
20. UNIT AVAILABILITY FACTOR	100.0	100.0	85.3
21. UNIT CAPACITY FACTOR ( MDC NET)	104.9	104.9	83.7
22. UNIT CAPACITY FACTOR ( DER NET)	102.1	102.2	79.8
23. UNIT FORCED OUTAGE RATE	0.0	0.0	4.6
24. FORCED OUTAGE HOURS	0.0	0.0	9483.8

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UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: FEBRUARY 2000

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
2/29/2000	1	N/A	0					
<b>NOTES:</b>		None.						

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHEDULED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	800-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING AND LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE 3/2/2000  
COMPLETED BY DALE DUGSTAD  
PHONE 651-388-1121-4376

**NARRATIVE SUMMARY OF OPERATING EXPERIENCE**

**MONTH: FEBRUARY 2000**

During the month of February, Unit 2 was base loaded. There were no shutdowns or power reductions.

There were 29 days during this month of February.

There are no other items to report.

**DOCKET NO. 50-306**  
**UNIT PRAIRIE ISLAND NO. 2**  
 DATE 3/2/2000  
 COMPLETED BY DALE DUGSTAD  
 PHONE 651-388-1121-4376

**OPERATING DATA REPORT**

**OPERATING STATUS**

- 1. UNIT NAME: PRAIRIE ISLAND NO. 2
- 2. REPORTING PERIOD: FEBRUARY 2000
- 3. LICENSED THERMAL POWER (MWT): 1650
- 4. NAMEPLATE RATING (GROSS MWE): 593
- 5. DESIGN ELECTRICAL RATING (NET MWE): 536
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 554
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 522
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 - 7) SINCE LAST REPORT, GIVE REASON:  
 NONE
- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
- 10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	696	1440	220846
12. NUMBER OF HOURS REACTOR CRITICAL	696.0	1440.0	195487.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	696.0	1440.0	193915.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1145494	2370268	309657574
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	399020	825770	101710710
18. NET ELECTRICAL ENERGY GENERATED (MWH)	380726	787921	96171693
19. UNIT SERVICE FACTOR	100.0	100.0	87.8
20. UNIT AVAILABILITY FACTOR	100.0	100.0	87.8
21. UNIT CAPACITY FACTOR ( MDC NET)	104.8	104.8	86.5
22. UNIT CAPACITY FACTOR ( DER NET)	102.1	102.1	82.1
23. UNIT FORCED OUTAGE RATE	0.0	0.0	2.8
24. FORCED OUTAGE HOURS	0.0	0.0	5662.8

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**UNIT SHUTDOWNS AND POWER REDUCTIONS**

**MONTH: FEBRUARY 2000**

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
2/29/2000	2	N/A	0					
NOTES: None.								

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHEDULED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	800-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING AND LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		