



Northern States Power Company

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East  
Weich, Minnesota 55089

October 5, 1998

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**  
**September 1998**

Attached is the Monthly Operating Report for September 1998 for the Prairie Island Nuclear Generating Plant.

Joel P. Sorensen  
Plant Manager  
Prairie Island Nuclear Generating Plant

c: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
NRC Resident Inspector  
State of Minnesota - Kris Sanda

Attachment

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**DOCKET NO. 50-282**  
**UNIT PRAIRIE ISLAND NO. 1**  
DATE 10/2/1998  
COMPLETED BY DALE DUGSTAD  
PHONE 651-388-1121-4376

**NARRATIVE SUMMARY OF OPERATING EXPERIENCE**

**MONTH: SEPTEMBER 1998**

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

CURRENT CONTINUOUS OPERATING RUN OF 104 DAYS

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE 10/2/1998  
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OPERATING DATA REPORT

**OPERATING STATUS**

- 1. UNIT NAME: PRAIRIE ISLAND NO. 1
- 2. REPORTING PERIOD: SEPTEMBER 1998
- 3. LICENSED THERMAL POWER (MWT): 1650
- 4. NAMEPLATE RATING (GROSS MWE): 593
- 5. DESIGN ELECTRICAL RATING (NET MWE): 543
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 558
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 526
- 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	720	6551	217319
12. NUMBER OF HOURS REACTOR CRITICAL	720.0	6257.9	187034.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	5571.1
14. HOURS GENERATOR ON-LINE	720.0	6221.2	185209.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	1181754	10131354	294409197
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	405170	3465990	97284700
18. NET ELECTRICAL ENERGY GENERATED (MWH)	383217	3277528	91511849
19. UNIT SERVICE FACTOR	100.0	95.0	85.2
20. UNIT AVAILABILITY FACTOR	100.0	95.0	85.2
21. UNIT CAPACITY FACTOR ( MDC NET)	101.2	94.6	83.2
22. UNIT CAPACITY FACTOR ( DER NET)	100.4	91.6	79.2
23. UNIT FORCED OUTAGE RATE	0.0	4.7	4.6
24. FORCED OUTAGE HOURS	0.0	306.5	8847.2

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UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: SEPTEMBER 1998

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
9/30/1998	1		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		

**DOCKET NO. 50-306**  
**UNIT PRAIRIE ISLAND NO. 2**  
DATE 10/2/1998  
COMPLETED BY DALE DUGSTAD  
PHONE 651-388-1121-4376

**NARRATIVE SUMMARY OF OPERATING EXPERIENCE**

**MONTH: SEPTEMBER 1998**

During the month of September, Unit 2 was base loaded. There were no shutdowns and only one power reduction.

The reduction started on the 19th at 2210 to allow cleaning of the condenser waterbox tube sheet, cleaning of the amertap screens, and turbine valve testing. During the power reduction Delta I went out of its band limit. Plant Tech Specs require that the Unit remain below 50% power operation until Delta I is within the band limit for 23 of the previous 24 hours. Unit 2 started the power ascension at 1933 of the 21st and resumed full power operation at 0544 of the 22nd.

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE 10/2/1998  
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OPERATING DATA REPORT

OPERATING STATUS

- 1. UNIT NAME: PRAIRIE ISLAND NO. 2
- 2. REPORTING PERIOD: SEPTEMBER 1998
- 3. LICENSED THERMAL POWER (MWT): 1650
- 4. NAMEPLATE RATING (GROSS MWE): 593
- 5. DESIGN ELECTRICAL RATING (NET MWE): 530
- 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 544
- 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 512
- 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	720	6551	208437
12. NUMBER OF HOURS REACTOR CRITICAL	720.0	5628.1	184354.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	720.0	5619.3	182846.4
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1141355	9144040	291608627
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	378800	3016580	95513990
18. NET ELECTRICAL ENERGY GENERATED (MWH)	357379	2844463	90295633
19. UNIT SERVICE FACTOR	100.0	85.8	87.7
20. UNIT AVAILABILITY FACTOR	100.0	85.8	87.7
21. UNIT CAPACITY FACTOR ( MDC NET)	96.9	84.8	86.2
22. UNIT CAPACITY FACTOR ( DER NET)	93.7	81.9	81.7
23. UNIT FORCED OUTAGE RATE	0.0	14.2	3.0
24. FORCED OUTAGE HOURS	0.0	931.7	5662.8

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UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: SEPTEMBER 199

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
9/19/1998	2	S	0	B	5	N/A	N/A	N/A

NOTES: Waterbox & amertap cleaning & Turbine valve testing.

<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		