



Northern States Power Company

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East  
Welch, Minnesota 55089

October 5, 1994

Prairie Island Technical Specifications  
Section 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, 1994

Attached is the Monthly Operating Report for September 1994 for the Prairie Island Generating Plant.

*Eugene Eckelhoff for*  
Roger O Anderson  
Director  
Licensing and Management Issues

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

Attachment

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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO.1  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

The Unit was base loaded this month, there were no power reductions or shutdowns.

CURRENT      CONTINUOUS OPERATING RUN OF 50 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO.1  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	522
2	520
3	524
4	523
5	525
6	523
7	522
8	522
9	521
10	519
11	518
12	521
13	520
14	517
15	518
16	520
17	526
18	516
19	522
20	520
21	523
22	523
23	524
24	526
25	524
26	527
27	527
28	529
29	528
30	527

AVERAGE LOADS ABOVE 513 MWE-NET ARE DUE  
TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO.1  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: SEPTEMBER 1994
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): 545
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 513
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 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	182255
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5083.4	155390.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	720.0	5050.1	153732.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1187328	8065602	243278750
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	396910	2694610	80118680
18. NET ELECTRICAL ENERGY GENERATED (MWH)	376241	2544378	75284162
19. UNIT SERVICE FACTOR	100.0	77.1	84.3
20. UNIT AVAILABILITY FACTOR	100.0	77.1	84.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.9	75.7	82.0
22. UNIT CAPACITY FACTOR (USING DER NET)	98.6	73.3	77.9
23. UNIT FORCED OUTAGE RATE	0.0	3.2	5.0
24. FORCED OUTAGE HOURS	0.0	165.3	8125.9
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

N/A

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282  
UNIT NAME PRAIRIE ISLAND NO. 1  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

<u>DATE</u> <u>YY/MM/DD</u>	<u>TYPE</u>	<u>HOURS</u> <u>000.0</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
94/09/00	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-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO.2  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

The Unit was base loaded this month, there were no shutdowns and only one power reduction for a turbine valve test.

The turbine valve test started with a load decrease at 2204 of the 17th and ended on the 18th at 0333. The test was conducted without any problems.

CURRENT CONTINUOUS OPERATING RUN OF 70 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO.2  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	525
2	523
3	526
4	526
5	528
6	527
7	524
8	524
9	523
10	521
11	519
12	524
13	527
14	515
15	520
16	522
17	512
18	492
19	519
20	522
21	525
22	524
23	527
24	530
25	522
26	529
27	530
28	531
29	530
30	528

AVERAGE LOADS ABOVE 512 MWE-NET ARE DUE  
TO COOLER CONDENSER CIRCULATING WATER



# OPERATING DATA REPORT

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO.2  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: SEPTEMBER 1994
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 NUMBER 3 THROUGH 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	173373
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6534.2	152901.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	720.0	6525.3	151513.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1182660	10707701	240663340
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	397030	3579150	78484320
18. NET ELECTRICAL ENERGY GENERATED (MWH)	376638	3384562	74189098
19. UNIT SERVICE FACTOR	100.0	99.6	87.4
20. UNIT AVAILABILITY FACTOR	100.0	99.6	87.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	102.2	100.9	85.5
22. UNIT CAPACITY FACTOR (USING DER NET)	98.7	97.5	80.7
23. UNIT FORCED OUTAGE RATE	0.0	0.3	2.6
24. FORCED OUTAGE HOURS	0.0	20.7	3984.7
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

REFUELING OUTAGE IN MAY 1995.

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A



UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306  
UNIT NAME PRAIRIE ISLAND NO. 2  
DATE OCTOBER 4, 1994  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1994

<u>DATE</u> <u>YY/MM/DD</u>	<u>TYPE</u>	<u>HOURS</u> <u>000.0</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
94/09/18	S	0.0	A	5	N/A	N/A	N/A
			Turbine valve test.				

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984 (P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		