



Northern States Power Company

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East
Welch, Minnesota 55089

May 8, 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
April, 2000

Attached is the Monthly Operating Report for April, 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 – James Bernstein

Attachment

IE24

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE 5/4/2000
COMPLETED BY DALE DUGSTAD
PHONE 651-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: APRIL 2000

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

Due to day light savings time change the reporting period was 719 hours.

Net generation is lower as the cooling towers were started up in late March, early April, blowdown to the river is restricted per the NPDES permit and low volume of Mississippi River flow.

When Unit 2 went off line for the start of a refueling outage (April 28th), it ended the longest dual unit continuous operating run of 339 days for Prairie Island.

There are no other items to report.

CURRENT CONTINUOUS OPERATING RUN OF 339 DAYS

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1

DATE 5/4/2000

COMPLETED BY DALE DUGSTAD
 PHONE 651-388-1121-4376

OPERATING DATA REPORT

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: APRIL 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	719	2903	231191
12. NUMBER OF HOURS REACTOR CRITICAL	719.0	2903.0	199391.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	719.0	2903.0	197486.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1184386	4758892	314463785
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	404090	1651770	104217360
18. NET ELECTRICAL ENERGY GENERATED (MWH)	380487	1568743	98081004
19. UNIT SERVICE FACTOR	100.0	100.0	85.4
20. UNIT AVAILABILITY FACTOR	100.0	100.0	85.4
21. UNIT CAPACITY FACTOR (MDC NET)	101.4	103.5	83.8
22. UNIT CAPACITY FACTOR (DER NET)	98.7	100.8	80.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	4.6
24. FORCED OUTAGE HOURS	0.0	0.0	9483.8

NRC MONTHLY REPORT

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DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE 5/4/2000
COMPLETED BY DALE DUGSTAD
PHONE 651-388-1121-4376

UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: APRIL 2000

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
4/30/2000	1	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		

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE 5/4/2000
COMPLETED BY DALE DUGSTAD
PHONE 651-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: APRIL 2000

During the month of April, Unit 2 was base loaded. There was one shutdown and no power reductions.

Due to day light savings time change the reporting period was 719 hours.

Net generation is lower as the cooling towers were started up in late March, early April, blowdown to the river is restricted per the NPDES permit and low volume of Mississippi River flow.

Unit 2 reduced power at 2105 on the 28th to begin the cycle 19 to 20 refueling outage. The reactor tripped at 2240 due to feedwater heater level.

The start of the refueling outage ended the longest continuous operating run for Unit 2 of 446 days. This also ended the longest dual unit continuous operating run of 339 days for Prairie Island.

There are no other items to report.

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE 5/4/2000
COMPLETED BY DALE DUGSTAD
PHONE 651-388-1121-4376

OPERATING DATA REPORT

OPERATING STATUS

- 1. UNIT NAME: PRAIRIE ISLAND NO. 2
- 2. REPORTING PERIOD: APRIL 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	719	2903	222309
12. NUMBER OF HOURS REACTOR CRITICAL	669.7	2853.7	196901.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	669.7	2853.7	195328.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1103821	4694797	311982103
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	376870	1627690	102512630
18. NET ELECTRICAL ENERGY GENERATED (MWH)	355144	1548301	96932073
19. UNIT SERVICE FACTOR	93.1	98.3	87.9
20. UNIT AVAILABILITY FACTOR	93.1	98.3	87.9
21. UNIT CAPACITY FACTOR (MDC NET)	94.6	102.2	86.6
22. UNIT CAPACITY FACTOR (DER NET)	92.2	99.5	82.2
23. UNIT FORCED OUTAGE RATE	0.0	0.0	2.8
24. FORCED OUTAGE HOURS	0.0	0.0	5662.8

DOCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
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UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: APRIL 2000

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
4/28/2000	2	S	49.3	C	3	LER 20001	N/A	N/A

NOTES: Refueling outage.

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD 800-1984(P805-D5)
S-SCHEDULED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	
	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		