



Northern States Power Company

1717 Wagonade Drive East  
Welch, MN 55089  
Telephone 612-388-1121

June 6, 1997

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  
May 1997

Attached is the Monthly Operating Report for May 1997 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 150054  
9706180012 970531  
PDR ADOCK 05000282  
R PDR



150054

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE 6/4/97  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: MAY 1997

Unit 1 was base loaded for the month. There were no shutdowns or power reductions

CURRENT CONTINUOUS OPERATING RUN OF 34 DAYS

# NRC MONTHLY REPORT

PRINTED 6/4/97

Page 2

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE 6/4/97  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

## AVERAGE DAILY POWER LEVEL

### UNIT 1

MONTH: MAY 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
5/1/97	513
5/2/97	514
5/3/97	514
5/4/97	512
5/5/97	510
5/6/97	511
5/7/97	512
5/8/97	507
5/9/97	511
5/10/97	508
5/11/97	508
5/12/97	510
5/13/97	512
5/14/97	510
5/15/97	511
5/16/97	509
5/17/97	510
5/18/97	501
5/19/97	508
5/20/97	510
5/21/97	506
5/22/97	504
5/23/97	501
5/24/97	501
5/25/97	500
5/26/97	504
5/27/97	503
5/28/97	503
5/29/97	503
5/30/97	501
5/31/97	499

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

DOCKET NO. 50-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE 6/4/97  
 COMPLETED BY DALE  
 DUGSTAD

OPERATING DATA REPORTOPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: MAY 1997
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 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	744	3623	205631
12. NUMBER OF HOURS REACTOR CRITICAL	744.0	3590.8	177331.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	5571.1
14. HOURS GENERATOR ON-LINE	744.0	3586.6	175608.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	12,176	5875923	278929436
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	401090	1965130	92045740
18. NET ELECTRICAL ENERGY GENERATED (MWH)	377412	1861789	86574069
19. UNIT SERVICE FACTOR	100	99	85.4
20. UNIT AVAILABILITY FACTOR	100	99	85.4
21. UNIT CAPACITY FACTOR ( MDC NET)	98.9	100.2	83.4
22. UNIT CAPACITY FACTOR ( DER NET)	95.7	97	79.4
23. UNIT FORCED OUTAGE RATE	0	0	4.5
24. FORCED OUTAGE HOURS	0.0	0.0	8187.1

25. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 Refueling outage scheduled for October 15, 1997, approx. 50 days.
26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:  
 N/A

# NRC MONTHLY REPORT

PRINTED 6/4/97

Page 4

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE 6/4/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

## UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: MAY 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
5/1/97	1	None	0					
NOTES:								

### TYPE

F-FORCED

S-SCHEDULED

### REASON

A-EQUIPMENT FAILURE

B-MAINTENANCE OR TEST

C-REFUELING

D-REGULATORY RESTRICTION

E-OPERATOR TRAINING AND  
LICENSE EXAMINATION

F-ADMINISTRATIVE

G-OPERATIONAL ERROR

H-OTHER

### METHOD

1-MANUAL

2-MANUAL TRIP

3-AUTO TRIP

4-CONTINUED

5-REDUCED LOAD

9-OTHER

### SYSTEM CODE

DRAFT IEEE STD

800-1984(P805-D5)

### COMPONENT CODE

IEEE STD 803A-1983

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2

DATE 6/4/97

COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: MAY 1997

Unit 2 was base loaded this month. On May 17th at 0100 the unit started to reduce power and was off line at 0445 to adjust RCS drain valves to the RCDT. The generator returned to service on May 18th at 0057. The unit returned to full power operation at 0525. There were no other reductions or shutdowns for the remainder of the month.

CURRENT CONTINUOUS OPERATING RUN OF 13 DAYS

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2

DATE 6/4/97

COMPLETED BY DALE DUGSTAD  
TELEPHONE 512-388-1121-4376

AVERAGE DAILY POWER LEVELUNIT 2MONTH: MAY 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
5/1/97	518
5/2/97	517
5/3/97	521
5/4/97	514
5/5/97	513
5/6/97	517
5/7/97	517
5/8/97	513
5/9/97	518
5/10/97	517
5/11/97	516
5/12/97	519
5/13/97	520
5/14/97	519
5/15/97	520
5/16/97	518
5/17/97	43
5/18/97	429
5/19/97	516
5/20/97	517
5/21/97	514
5/22/97	513
5/23/97	509
5/24/97	509
5/25/97	510
5/26/97	514
5/27/97	513
5/28/97	514
5/29/97	513
5/30/97	511
5/31/97	509

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 6/4/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

OPERATING DATA REPORTOPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: MAY 1997
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	744	3623	196749
12. NUMBER OF HOURS REACTOR CRITICAL	727.5	2110.7	173603.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	1516.1
14. HOURS GENERATOR ON-LINE	723.8	2065.6	172109.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	1185019	3144787	274066896
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	393150	1047850	89683140
18. NET ELECTRICAL ENERGY GENERATED (MWH)	369825	978734	84789508
19. UNIT SERVICE FACTOR	97.3	57	87.5
20. UNIT AVAILABILITY FACTOR	97.3	57	87.5
21. UNIT CAPACITY FACTOR ( MDC NET)	97.1	52.8	85.9
22. UNIT CAPACITY FACTOR ( DER NET)	93.8	51	81.3
23. UNIT FORCED OUTAGE RATE	2.7	22.4	2.7
24. FORCED OUTAGE HOURS	20.2	597.4	4711.3

25. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

N/A

26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:

N/A



DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 6/4/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

UNIT SHUTDOWNS AND POWER REDUCTIONSMONTH: MAY 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
5/17/97	2	F	20.2	B	2	N/A	N/A	N/A

NOTES: Adjust RCS drain valves to the RCDT

<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		