



Northern States Power Company

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

February 7, 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  
January 1997

Attached is the Monthly Operating Report for January 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

190057

9702190332 970131  
PDR ADOCK 05000282  
R PDR

1E24  
1/1

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

DATE 02/05/97

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: JANUARY 1997

Unit 1 was base loaded for January. A power reduction began on January 18th at 0007 for turbine valve testing. The unit returned to full power on the 18th at 0830. There were no shutdowns or other power reductions.

CURRENT CONTINUOUS OPERATING RUN OF 213 DAYS

# NRC MONTHLY REPORT

PRINTED 02/05/97

Page 2

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE 02/05/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-308-1121-4378

## AVERAGE DAILY POWER LEVEL

### UNIT 1

MONTH: JANUARY 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
01/01/97	527
01/02/97	529
01/03/97	525
01/04/97	528
01/05/97	519
01/06/97	528
01/07/97	512
01/08/97	527
01/09/97	527
01/10/97	529
01/11/97	526
01/12/97	527
01/13/97	526
01/14/97	529
01/15/97	523
01/16/97	528
01/17/97	528
01/18/97	459
01/19/97	531
01/20/97	523
01/21/97	527
01/22/97	528
01/23/97	528
01/24/97	526
01/25/97	525
01/26/97	525
01/27/97	525
01/28/97	528
01/29/97	529
01/30/97	529
01/31/97	529

AVERAGE LOADS ABOVE

513 MWE-NET ARE DUE TO COOLER CONDENSER CIRCULATING WATER

# NRC MONTHLY REPORT

PRINTED 02/05/97

Page 3

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

DATE 02/05/97

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

## OPERATING DATA REPORT

### OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JANUARY 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	744	202752
12. NUMBER OF HOURS REACTOR CRITICAL	744.0	744.0	174484.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	5571.1
14. HOURS GENERATOR ON-LINE	744.0	744.0	172765.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	1218453	1218453	274271966
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	410340	410340	90490950
18. NET ELECTRICAL ENERGY GENERATED (MWH)	390124	390124	85102404
19. UNIT SERVICE FACTOR	100	100	85.2
20. UNIT AVAILABILITY FACTOR	100	100	85.2
21. UNIT CAPACITY FACTOR ( MDC NET)	102.2	102.2	83.2
22. UNIT CAPACITY FACTOR ( DER NET)	98.9	98.9	79.2
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):  
N/A
26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:  
N/A

# NRC MONTHLY REPORT

PRINTED 02/05/97

Page 4

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

DATE 02/05/97

COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4378

## UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: JANUARY 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
01/18/97	1	S	0	B	5	N/A	N/A	N/A
NOTES: Turbine valve testing								

### 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 02/05/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: JANUARY 1997

Unit 2 was base loaded for January. Coast down operation began on Jan. 7th at 1230 for the refueling and maintenance outage. The outage started when the generator was taken off line on the 24th at 2256 and the reactor was tripped on the 25th at 0155. This ended a continuous operating run of 206 days.

CURRENT CONTINUOUS OPERATING RUN OF 206 DAYS

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 02/05/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

AVERAGE DAILY POWER LEVELUNIT 2MONTH: JANUARY 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
01/01/97	531
01/02/97	532
01/03/97	528
01/04/97	530
01/05/97	529
01/06/97	531
01/07/97	529
01/08/97	525
01/09/97	520
01/10/97	516
01/11/97	509
01/12/97	508
01/13/97	501
01/14/97	497
01/15/97	490
01/16/97	487
01/17/97	482
01/18/97	477
01/19/97	469
01/20/97	464
01/21/97	461
01/22/97	458
01/23/97	454
01/24/97	398
01/25/97	-14
01/26/97	-8
01/27/97	-3
01/28/97	-3
01/29/97	-2
01/30/97	-2
01/31/97	-2

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 02/05/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

OPERATING DATA REPORTOPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JANUARY 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	744	193870
12. NUMBER OF HOURS REACTOR CRITICAL	577.9	577.9	172071.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	1516.1
14. HOURS GENERATOR ON-LINE	574.9	574.9	170619.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	901680	901680	271823789
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	301560	301560	88936850
18. NET ELECTRICAL ENERGY GENERATED (MWH)	285455	285455	84096229
19. UNIT SERVICE FACTOR	77.3	77.3	88
20. UNIT AVAILABILITY FACTOR	77.3	77.3	88
21. UNIT CAPACITY FACTOR ( MDC NET)	74.9	74.9	86.4
22. UNIT CAPACITY FACTOR ( DER NET)	72.4	72.4	81.8
23. UNIT FORCED OUTAGE RATE	0	0	2.4
24. FORCED OUTAGE HOURS	0.0	0.0	4113.9

25. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
REFUELING AND MAINTENANCE OUTAGE IN PROCESS.
26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:  
3-5-97



# NRC MONTHLY REPORT

PRINTED 02/05/97

Page 8

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 02/05/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

## UNIT SHUTDOWNS AND POWER REDUCTIONS

### MONTH: JANUARY 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
01/07/97	2	S	0	C	5	N/A	N/A	N/A
NOTES: Coastdown operation								
01/24/97	2	S	169.1	C	1	N/A	N/A	N/A
NOTES: Refueling outage, cycle 17 to 18								

#### 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