

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND HQ.1  
DATE AUGUST 2, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH: JULY 1985

THE UNIT WAS BASE LOADED THIS MONTH EXCEPT FOR THE 24TH,  
26TH AND 27TH WHEN THE UNIT WAS IN LOAD FOLLOW OPERATION.  
THERE WERE NO SHUTDOWNS.

8510010650 850731  
PDR ADOCK 05000282  
R PDR

IE24  
1/1

# DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE AUGUST 2, 1985  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121

MONTH: JULY 1985

DAY	AVERAGE LOAD MWE-NET
1	508
2	507
3	509
4	505
5	512
6	497
7	519
8	503
9	508
10	507
11	504
12	507
13	506
14	474
15	506
16	508
17	507
18	508
19	506
20	505
21	504
22	505
23	505
24	494
25	508
26	362
27	361
28	505
29	507
30	509
31	512

AVERAGE LOADS ABOVE 503 MWE-NET ARE DUE  
 TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE AUGUST 2, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1  
2. REPORTING PERIOD: JULY 1985  
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): 534  
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 503  
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

	THIS MONTH	YTD-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	101903
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3694.1	83688.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	744.0	3675.8	82343.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1199765	5819328	129418586
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	393190	1909910	42202010
18. NET ELECTRICAL ENERGY GENERATED (MWH)	369082	1789046	39539864
19. UNIT SERVICE FACTOR	100.0	72.3	80.8
20. UNIT AVAILABILITY FACTOR	100.0	72.3	80.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.6	69.9	77.1
22. UNIT CAPACITY FACTOR (USING DER NET)	93.6	66.4	73.2
23. UNIT FORCED OUTAGE RATE	0.0	0.8	7.9
24. FORCED OUTAGE HOURS	0.0	29.4	7073.8
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 REDUCTIONSREPORT MONTH JULY 1985DOCKET NO. 50- 282UNIT NAME Prairie Island No.1DATE August 2, 1985COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

DATE YY MM DD	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUT TING DOWN REAC TOR OR REDUC- ING POWER (3)	LICENSEE EVENT REPORT	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE/CORRECTIVE ACTION/COMMENTS
85 07 14	S	0.0	B	5	N/A	N/A	N/A	Turbine valves test.

(1) TYPE  
F: Forced  
S: Scheduled

(2) REASON  
A: Equipment Failure (Explain)  
B: Maintenance or Test  
C: Refueling  
D: Regulatory Restriction  
E: Operator Training & License Examination  
F: Administrative  
G: Operational Error (Explain)  
H: Other (Explain)

(3) METHOD  
1: Manual  
2: Manual Trip  
3: Automatic Trip  
4: Continued  
5: Reduced Load  
9: Other

(4) SYSTEM CODE  
Draft IEEE Std  
805-1984(P805-D5)

(5) COMPONENT CODE  
IEEE Std 803A-1983

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE AUGUST 2, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH: JULY 1985

THE UNIT WAS IN COASTDOWN OPERATION THIS MONTH FOR THE  
UPCOMING REFUELING AND 10 YEAR ISI OUTAGE WHICH WILL  
START IN SEPTEMBER. THERE WERE NO SHUTDOWNS.

# DAILY UNIT POWER QUIET

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE AUGUST 2, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH: JULY 1985

DAY	AVERAGE LOAD--MWE-NET
1	508
2	508
3	508
4	504
5	511
6	495
7	455
8	499
9	503
10	504
11	503
12	504
13	502
14	499
15	505
16	487
17	490
18	490
19	484
20	481
21	478
22	476
23	473
24	473
25	459
26	455
27	443
28	439
29	433
30	430
31	424

AVERAGE LOADS ABOVE 500 MWE-NET ARE DUE  
TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE AUGUST 2, 1985  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JULY 1985
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): 531
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 500
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

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	93021
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5087.0	81181.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	744.0	5087.0	80211.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1166088	8228338	126388570
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	380910	2728370	40631910
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358115	2582007	38462846
19. UNIT SERVICE FACTOR	100.0	100.0	86.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	86.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.3	101.5	82.7
22. UNIT CAPACITY FACTOR (USING DER NET)	90.8	95.8	78.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.8
24. FORCED OUTAGE HOURS	0.0	0.0	3209.6
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

---TEN YEAR OUTAGE IN SEPTEMBER 1985---

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50- 306

UNIT NAME Prairie Island No. 2DATE August 2, 1985COMPLETED BY Dale DugstadTELEPHONE 612-388-1121REPORT MONTH JULY 1985

DATE YY MM DD	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUT TING DOWN REAC TOR OR REDUC- ING POWER (3)	LICENSEE EVENT REPORT	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE/CORRECTIVE ACTION/COMMENTS
85 07 07	S	0.0	B	5	N/A	N/A	N/A	Turbine valves test.

(1) TYPE  
F: Forced  
S: Scheduled

(2) REASON  
A: Equipment Failure (Explain)  
B: Maintenance or Test  
C: Refueling  
D: Regulatory Restriction  
E: Operator Training & License Examination  
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G: Operational Error (Explain)  
H: Other (Explain)

(3) METHOD  
1: Manual  
2: Manual Trip  
3: Automatic Trip  
4: Continued  
5: Reduced Load  
9: Other

(4) SYSTEM CODE  
Draft IEEE Std  
805-1984(P805-D5)

(5) COMPONENT CODE  
IEEE Std 803A-1983





Northern States Power Company

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Minneapolis, Minnesota 55401  
Telephone (612) 330-5500

August 5, 1985

Director, Office of Resource Management  
U S Nuclear Regulatory Commission  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket No. 50-282 License No. DPR-42  
50-306 DPR-60

Monthly Operating Report  
July, 1985

Attached are twelve copies of the Monthly Operating Report for  
July, 1985 for the Prairie Island Nuclear Generating Plant.

*David Musolf*

David Musolf  
Manager of Nuclear Support Services

DMM/EFE/jk

cc: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
NRC Resident Inspector  
MPCA  
Attn: J W Ferman

Attachment

DESIGNATED ORIGINAL  
Certified By *Mr. Beebe* 09/30/85

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