

OPERATING DATA REPORT

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE SEPTEMBER 5, 1984
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: AUGUST 1984
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEFENDABLE CAPACITY (GROSS MWE): 531
7. MAXIMUM DEFENDABLE CAPACITY (NET MWE): 500
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7)
SINCE LAST REPORT GIVE REASON: N / A

NOTES:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): N / A
10. REASONS FOR RESTRICTIONS, IF ANY: N / A

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5855	85005
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5855.0	74195.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON LINE	744.0	5855.0	73148.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1029044	9274888	115006746
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	334160	3672320	36846360
18. NET ELECTRICAL ENERGY GENERATED (MWH)	311829	2906631	34881514
19. UNIT SERVICE FACTOR	100.0	100.0	86.1
20. UNIT AVAILABILITY FACTOR	100.0	100.0	86.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	83.8	99.3	82.1
22. UNIT CAPACITY FACTOR (USING DER NET)	79.1	93.7	77.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	4.2
24. SHUTDOWNS SCHEDULED OVER NEXT 12 MONTHS (TYPE, DATE AND DURATION OF EACH)			

REFUELING OUTAGE ON SEPTEMBER 4, 1984.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

8410180528 840831
PDR ADOCK 05000282
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DAILY UNIT POWER OUTPUT

DUCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
 DATE SEPTEMBER 5, 1984
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH AUGUST 1984

DAY	AVERAGE LOAD MWE-NET
1	506
2	499
3	499
4	499
5	494
6	488
7	480
8	484
9	481
10	463
11	192
12	251
13	434
14	459
15	445
16	458
17	446
18	428
19	431
20	413
21	410
22	406
23	400
24	387
25	373
26	378
27	372
28	362
29	354
30	354
31	349

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

NEGATIVE SUMMARY OF DECRATING EXPERIENCE

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO.2
DATE SEPTEMBER 5, 1984
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH AUGUST 1984

THE UNIT WAS IN COAST DOWN OPERATION THIS MONTH FOR THE
UPCOMING REFUELING OUTAGE. THERE WERE NO SHUTDOWNS.

UNIT SHUTDOWNS AND LER REDUCTIONS

REPORT MONTH August 1984DOCKET NO. 50-282UNIT NAME Prairie Island No. 1DATE September 5, 1984COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
840818	S	0.0	B	4	N/A	N/A	N/A	Condenser tube cleaning and repair, Turbine valves test.
840819	S	0.0	B	4	N/A	N/A	N/A	Condenser tube cleaning and repair.
840825	S	0.0	H	4	N/A	N/A	N/A	Chlorination of circulating water system.
840830	F	8.6	G	3	84-005	N/A	N/A	Tripped during the process of a Flux Map Test.
840831	F	5.9	A	3	84-006	SJ	FI	Tripped during power escalation due Steam Flow Feed Flow mismatch.

¹ 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-Other (Explain)

⁴ Exhibit G-In-
structions for
Preparation of
Data Entry Sheets
for Licensee Event
Report (LER) File
(NUREG-0161)

⁵ Exhibit 1 - Same Source

OPERATING DATA REPORT

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE SEPTEMBER 5, 1984
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: AUGUST 1984
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: N / A
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): N / A
10. REASONS FOR RESTRICTIONS, IF ANY: N / A

NOTES.

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5855	93887
12. NUMBER OF HOURS REACTOR WAS CRITICAL	734.2	5795.6	77468.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON LINE	729.5	5769.5	76150.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1148066	9309618	119620780
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	372190	3074640	38954440
18. NET ELECTRICAL ENERGY GENERATED (MWH)	348166	2899615	36491044
19. UNIT SERVICE FACTOR	98.1	98.5	81.1
20. UNIT AVAILABILITY FACTOR	98.1	98.5	81.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	93.0	98.5	77.3
22. UNIT CAPACITY FACTOR (USING DER NET)	88.3	93.4	73.3
23. UNIT FORCED OUTAGE RATE	1.9	0.3	8.0
24. SHUTDOWNS SCHEDULED OVER NEXT 12 MONTHS (TYPE, DATE AND DURATION OF EACH):			

TEN YEAR OVERHAUL IN JANUARY 1985

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE SEPTEMBER 5, 1984
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH AUGUST 1984

DAY	AVERAGE LOAD MWE-NET
1	504
2	502
3	499
4	502
5	502
6	496
7	498
8	502
9	500
10	502
11	463
12	541
13	504
14	500
15	498
16	500
17	499
18	280
19	297
20	502
21	505
22	508
23	512
24	507
25	243
26	509
27	509
28	504
29	507
30	302
31	311

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE SEPTEMBER 5, 1984
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: AUGUST 1984

THE UNIT WAS BASE LOADED THIS MONTH. AT 1439 OF THE 30TH, THE UNIT WAS TRIPPED DURING A FLUX MAP TEST. REACTOR WAS CRITICAL AT 2010 AND THE GENERATOR WENT ON LINE AT 2319 OF THE SAME DAY. AT 0002 OF THE 31ST IT WAS TRIPPED AGAIN DUE TO STEAM FLOW FEED FLOW MISMATCH (FLOW METER MALFUNCTION). THE REACTOR BECAME CRITICAL AT 0417 AND THE GENERATOR WENT ON LINE AT 0553 OF THE 31ST.

UNIT SHUTDOWNS AND JER REDUCTIONS

REPORT MONTH August 1984DOCKET NO. 50-306UNIT NAME Prairie Island No. 2DATE September 5, 1984COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
840811 & 840812	S	0.0	B	4	N/A	N/A	N/A	Condenser tube repair and turbine valves test.

¹ 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
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⁴ Exhibit G-In-
structions for
Preparation of
Data Entry Sheets
for Licensee Event
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(NUREG-0161)

⁵ Exhibit 1 - Same Source



Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401
Telephone (612) 330-5500


September 12, 1984

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
August, 1984

Attached are twelve copies of the Monthly Operating Report for
August, 1984 for the Prairie Island Nuclear Generating Plant.


David Musolf
Manager of Nuclear Support Services

DMM/le

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

Attachment

DESIGNATED ORIGINAL

Certified By MP Beebe 10/10/84

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