

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE-NOVEMBER 5, 1984

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121

MONTH: OCTOBER 1984

THE UNIT WAS BASE LOADED. AT 0558 OF THE 21ST THE UNIT WAS TAKEN OFF LINE DUE TO A SUSPECTED TUBE LEAK IN 11 STEAM GENERATOR. THE LEAK WAS CONFIRMED AND CORRECTIVE ACTION BEGAN. ON THE 28TH AFTER REPAIRS AND TURBINE OVERSPEED TRIP TEST THE UNIT WAS BACK ON LINE AT 1508.

THEN ON THE 29TH AT 0732 THE UNIT WAS TAKEN OFF LINE AGAIN FOR ANOTHER SUSPECTED TUBE LEAK IN 12 STEAM GENERATOR. THIS WAS CONFIRMED AND AT PRESENT THE UNIT IS DOWN FOR REPAIRS.

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PDR ADOCK 05000282  
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1/1

DAILY\_UNIT\_POWER\_OUTLET

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

MONTH OCTOBER 1984

DAY	AVERAGE_LOAD__MWE-NET
1	520
2	524
3	516
4	518
5	522
6	522
7	521
8	520
9	525
10	519
11	517
12	524
13	519
14	524
15	522
16	521
17	524
18	524
19	525
20	496
21	100
22	-6
23	-6
24	-6
25	-5
26	-2
27	-15
28	64
29	121
30	-6
31	-6

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 NOVEMBER 5, 1984  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

OPERATING STATUS

- |   |          |
|---|----------|
| 1. UNIT NAME: PRAIRIE ISLAND NO. 1  |          |
| 2. REPORTING PERIOD: OCTOBER 1984   | 1 NOTES: |
| 3. LICENSED THERMAL POWER (MWT): 1650   | 1        |
| 4. NAMEPLATE RATING (GROSS MWE): 593  | 1        |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 530  | 1        |
| 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 534   | 1        |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 503   | 1        |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT GIVE REASON: N / A | 1        |
| 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	745	7320	95352
12. NUMBER OF HOURS REACTOR WAS CRITICAL	505.1	7020.7	78693.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON LINE	502.4	6991.9	77372.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	813081	11262284	121573446
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	273250	3730080	39609880
18. NET ELECTRICAL ENERGY GENERATED (MWH)	255347	3513699	37105128
19. UNIT SERVICE FACTOR	67.4	95.5	81.1
20. UNIT AVAILABILITY FACTOR	67.4	95.5	81.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	68.1	95.4	77.4
22. UNIT CAPACITY FACTOR (USING DER NET)	64.7	90.6	73.4
23. UNIT FORCED OUTAGE RATE	32.6	3.5	8.2
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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER 1984DOCKET NO. 50- 282UNIT NAME Prairie Island No.1DATE November 5, 1984COMPLETED 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
84 10 20	S	0.0	B	5	N/A	N/A	N/A	Axial offset test.
84 10 21	F	178.1	A	2	N/A	N/A		Steam Generator tube leak.
84 10 28	S	0.0	B	5	N/A	N/A	N/A	Turbine overspeed trip test.
84 10 28	F	64.5	A	2	84-010	AB	SG	Steam Generator tube leak.

- (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 NOVEMBER 5, 1984  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

MONTH      OCTOBER      1984

THE UNIT WAS RETURNED TO SERVICE (BASE LOADED) AT 1615  
OF THE 13TH FROM THE CYCLE 8 TO 9 REFUELING OUTAGE.  
THERE WERE NO OTHER SHUTDOWNS.



# DAILY UNIT POWER OUTPUT

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

MONTH OCTOBER 1984

DAY	AVERAGE_LOAD__MWE-NET
1	-1
2	-2
3	-8
4	-16
5	-15
6	-14
7	-7
8	-4
9	-4
10	-4
11	-4
12	-16
13	0
14	188
15	321
16	423
17	495
18	526
19	526
20	525
21	494
22	519
23	522
24	522
25	525
26	524
27	514
28	526
29	522
30	521
31	526

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 NOVEMBER 5, 1984  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: OCTOBER 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): 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: 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	745	7320	86470
12. NUMBER OF HOURS REACTOR WAS CRITICAL	452.5	6380.0	74630.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON LINE	440.7	6367.1	73660.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	669970	10025173	115757031
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	223030	3321510	37095550
18. NET ELECTRICAL ENERGY GENERATED (MWH)	207445	3136724	35111607
19. UNIT SERVICE FACTOR	59.2	87.0	85.2
20. UNIT AVAILABILITY FACTOR	59.2	87.0	85.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	55.7	85.7	81.2
22. UNIT CAPACITY FACTOR (USING DER NET)	52.5	80.9	76.6
23. UNIT FORCED OUTAGE RATE	0.0	0.0	4.2
24. SHUTDOWNS SCHEDULED OVER NEXT 12 MONTHS (TYPE, DATE AND DURATION OF EACH):			

TEN YEAR OUTAGE IN AUGUST 1985.

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

UNIT SHUTDOWNS AND POWER REDUCTIONSREPORT MONTH OCTOBER 1984DOCKET NO. 50-306UNIT NAME Prairie Island No. 2DATE November 5, 1984COMPLETED 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
84 09 03	S	304.3	C	4	N/A	N/A	N/A	Refueling outage cycle 8 to 9.
84 10 13	S	0.0	B	5	N/A	N/A	N/A	Turbine overspeed and trip test.
84 10 21	S	0.0	B	5	N/A	N/A	N/A	Axial offset 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





Northern States Power Company

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

November 6, 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  
October, 1984

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

*David Musolf*  
David Musolf  
Manager of Nuclear Support Services

DMM/dab

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

Attachment

DESIGNATED ORIGINAL  
Certified By *MR Beebe* 12/7/84

*IE2A*  
*11*