

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE AUGUST 5, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY 1986

THE UNIT WAS BASE LOADED THIS MONTH. NO SHUTDOWNS.
ON THE 2ND AT 0736 THE UNIT'S POWER WAS REDUCED TO 50% TO
REPAIR A STEAM LEAK ON 12 FEED WATER PUMP DISCHARGE PIPING
(VENT PIPE). THE UNIT RETURNED TO FULL POWER OPERATION AT
1423. NO OTHER ITEMS TO REPORT.

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AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE AUGUST 5, 1986
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: JULY 1986

DAY	AVERAGE_DAILY_POWER_LEVEL (MWE-NET)
1	512
2	454
3	510
4	509
5	507
6	506
7	504
8	506
9	505
10	508
11	507
12	511
13	510
14	511
15	508
16	508
17	505
18	504
19	503
20	507
21	505
22	502
23	510
24	497
25	507
26	504
27	508
28	504
29	507
30	501
31	506

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 5, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JULY 1986
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	YB-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	110663
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4239.4	91596.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	744.0	4216.5	90218.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1222014	6264415	141633028
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	399710	2060120	46261390
18. NET ELECTRICAL ENERGY GENERATED (MWH)	375586	1930131	43357965
19. UNIT SERVICE FACTOR	100.0	82.9	81.5
20. UNIT AVAILABILITY FACTOR	100.0	82.9	81.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.4	75.4	77.9
22. UNIT CAPACITY FACTOR (USING DER NET)	95.2	71.6	73.9
23. UNIT FORCED OUTAGE RATE	0.0	0.1	7.3
24. FORCED OUTAGE HOURS	0.0	6.1	7094.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):	NONE		

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: NONE

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
UNIT NAME BEAIRIE ISLAND NO.1
DATE AUGUST 5, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY-----1986-----

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEE NUMBER	SYSTEM	COMPONENT
86/07/02	F	0.0	A	5	N/A	N/A	N/A
STEAM LEAK ON 12 FWP DISCHARGE PIPING.							
86/07/02	S	0.0	B	4	N/A	N/A	N/A
TURBINE VALVES TEST.							

TYPE	REASON	METHOD	SYSTEM CODE
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1993
	G-OPERATOR ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE AUGUST 5, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: JULY 1986

THE UNIT WAS BASE LOADED THIS MONTH.
THE UNIT TRIPPED AT 0801 OF THE 28TH DUE TO OPERATIONAL
ERROR DURING THE SAFEGUARDS LOGIC TESTING. THE REACTOR
ACHIEVED CRITICALITY AT 1956 AND THE UNIT WENT ON LINE AT
0021 OF THE 29TH. DURING POWER ESCALATION Δ I WENT OUT OF
BAND THEREFORE OUR TECH SPECS DELAYED ESCALATION FOR 24 HOURS.
THERE WERE NO OTHER SHUTDOWNS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
 DATE AUGUST 5, 1986
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: JULY 1986

DAY	AVERAGE_DAILY_POWER_LEVEL (MWE-NET)
1	515
2	516
3	512
4	513
5	507
6	511
7	506
8	509
9	506
10	511
11	510
12	513
13	513
14	511
15	508
16	509
17	507
18	503
19	504
20	509
21	506
22	506
23	512
24	501
25	510
26	507
27	455
28	154
29	194
30	393
31	508

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 5, 1986
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2	NOTES:
2. REPORTING PERIOD: JULY 1986	
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	YB-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5087	101781
12. NUMBER OF HOURS REACTOR WAS CRITICAL	732.1	5053.1	88556.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	727.6	5043.5	87546.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1164946	8235697	137908088
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	381080	2732220	44458300
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358511	2586704	42075991
19. UNIT SERVICE FACTOR	97.8	99.1	86.0
20. UNIT AVAILABILITY FACTOR	97.8	99.1	86.0
21. UNIT CAPACITY FACTOR (USING MDC NET)	96.4	101.7	82.7
22. UNIT CAPACITY FACTOR (USING DER NET)	90.9	95.9	78.0
23. UNIT FORCED OUTAGE RATE	2.2	0.9	3.6
24. FORCED OUTAGE HOURS	16.4	43.5	3253.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

BEVELING IN OCTOBER

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 52-326
UNIT NAME PEABIE ISLAND NO.2
DATE AUGUST 5, 1986
COMPLETED BY DALE DUCSTAR
TELEPHONE 612-388-1121

MONTH: JULY 1986

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
86/07/15	S	0.0	B	5	N/A	N/A	N/A
AXIAL OFFSET CALIBRATION.							
86/07/27	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES TESTING.							
86/07/28	F	16.4	G	3	86-003	N/A	N/A
ERROR DURING SAFEGUARDS LOGIC TESTING.							

TYPE	REASON	METHOD	SYSTEM CODE
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATOR ERROR		
	H-OTHER		



Northern States Power Company

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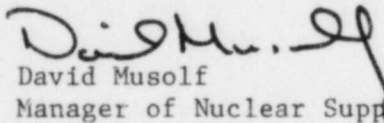
August 7, 1986

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, 1986

Attached are twelve copies of the Monthly Operating Report for
July, 1986 for the Prairie Island Nuclear Generating Plant.


David Musolf
Manager of Nuclear Support Services

DMM/EFE/dab

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

Attachment

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