



Northern States Power Company

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June 6, 1990

Prairie Island Technical Specification  
Section 6.7.A.3

U S Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

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

Monthly Operating Report  
May, 1990

Attached is the Monthly Operating Report for May, 1990 for the Prairie  
Island Nuclear Generating Plant.

Thomas M Parker  
Manager  
Nuclear Support Services

TMP/jlk

c: Director Office of Resource Management  
Regional Administrator-III, NRC  
NRR Project Manager, NRC  
NRC Resident Inspector  
MPCA  
Attn: J W Ferman

Attachment

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MONTHLY SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE JUNE 1, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH MAY ----- 1990

THE UNIT WAS BASE LOADED THIS MONTH, THERE WERE NO SHUTDOWNS.

ON MAY 1ST OUR STATE NPDES PERMIT ALLOWS THE PLANT TO OPERATE WITH  
A BLOWDOWN OF 300 CFS.  
ON THE 13TH THE UNIT LOAD FOLLOWED FOR ABOUT SIX HOURS AND ON THE 20TH  
A TURBINE VALVES TEST WAS COMPLETED.

CURRENT CONTINUOUS OPERATING RUN OF 093 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 59-282  
 UNIT PRAIRIE ISLAND NO. 1  
 DATE JUNE 1, 1990  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-308-1121-4376

MONTH: MAY ..... 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	510
2	515
3	511
4	509
5	510
6	506
7	504
8	505
9	506
10	510
11	510
12	513
13	481
14	506
15	504
16	494
17	498
18	509
19	509
20	481
21	507
22	509
23	501
24	494
25	509
26	501
27	505
28	504
29	502
30	505
31	498

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 JUNE 1, 1990  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: MAY 1990
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	3623	144263
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2723.2	121842.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	744.0	2851.3	120299.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1221177	3993152	189354606
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	399210	1316600	62109160
18. NET ELECTRICAL ENERGY GENERATED (MWH)	375040	1234745	58288079
19. UNIT SERVICE FACTOR	100.0	73.2	83.4
20. UNIT AVAILABILITY FACTOR	100.0	73.2	83.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	100.2	67.8	80.3
22. UNIT CAPACITY FACTOR (USING DER NET)	95.1	64.3	76.2
23. UNIT FORCED OUTAGE RATE	0.0	1.3	5.9
24. FORCED OUTAGE HOURS	0.0	33.9	7516.4
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 REDUCTION

DOCKET NO 50-282  
 UNIT NAME BEAIRIE ISLAND NO. 1  
 DATE JUNE 1, 1990  
 COMPLETED BY DALE DUGSIAD  
 TELEPHONE 612-388-1121-4376

MONITORING \_\_\_\_\_ 1990 \_\_\_\_\_

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
90/05/13	S LOAD FOLLOW.	0.0	F	5	N/A	N/A	N/A
90/05/20	S TURBINE VALVES TESTING.	0.0	R	5	N/A	N/A	N/A

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-OPERATIONAL ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE JUNE 1, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: MAY 1990

THE UNIT WAS BASE LOADED THIS MONTH, THERE WERE NO SHUTDOWNS.

ON MAY FIRST OUR STATE NPDES PERMIT ALLOWS THE PLANT TO OPERATE WITH A 300 CFS BLOWDOWN.

CURRENT CONTINUOUS OPERATING RUN OF 045 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE JUNE 1, 1990  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

MONTH MAY ----- 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	515
2	513
3	512
4	511
5	511
6	510
7	506
8	504
9	509
10	512
11	511
12	510
13	508
14	506
15	506
16	509
17	511
18	512
19	511
20	512
21	510
22	512
23	502
24	498
25	510
26	504
27	506
28	506
29	505
30	507
31	501

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

OPERATING DATA REPORT

DOCKET NO. 50-304  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE JUNE 1, 1990  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: MAY 1990
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	3623	135381
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3312.8	119214.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	744.0	3178.1	117946.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1224639	5164104	186392351
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	401050	1704120	60447040
18. NET ELECTRICAL ENERGY GENERATED (MWH)	378157	1606502	57164295
19. UNIT SERVICE FACTOR	100.0	87.7	87.1
20. UNIT AVAILABILITY FACTOR	100.0	87.7	87.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.7	88.7	84.4
22. UNIT CAPACITY FACTOR (USING DER NET)	95.9	83.7	79.7
23. UNIT FORCED OUTAGE RATE	0.0	11.3	3.2
24. FORCED OUTAGE HOURS	0.0	403.2	3949.0
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

BEVELING AND MAINTENANCE IN AUGUST 1990

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



UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 58-306  
 UNIT NAME EGARIE ISLAND NO. 2  
 DATE JUNE 11 1990  
 COMPLETED BY DALE DWESTAD  
 TELEPHONE 612-388-1121-4376

MONTH MAY 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEG. NUMBER	SYSTEM	COMPONENT
90/04/06	NONE.						

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	COMPONENT CODE
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	IEEE STD 803A-1983
	F-ADMINISTRATIVE	9-OTHER	
	G-OPERATIONAL ERROR		
	H-OTHER		