



Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401-1927
Telephone (612) 330-5500

July 9, 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
June 1990

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

Thomas M Parker
Manager
Nuclear Support Services

TMP/mkl

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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NAARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE JULY 3, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JUNE ----- 1990 --

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

ON JUNE 1ST OUR STATE NPDES PERMIT ALLOWS THE PLANT TO OPERATE WITH A BLOWDOWN OF 400 CFS AND ON THE 16TH IT WAS INCREASED TO 800 CFS.

MORE THAN ONCE THIS MONTH HIGH TEMPERATURES CAUSED US TO SPRAY (WATER) 1GT TO COOL IT DOWN. THE OIL COOLERS WILL BE CLEANED SOON TO HELP LOWER TEMPERATURE.

ON THE 22ND A SMALL LEAK OF BORIC ACID WAS DISCOVERED IN 12 STEAM GENERATOR VAULT. ON THE 23RD @ 0001 THE UNIT'S POWER WAS REDUCED TO ALLOW INSPECTION AND REPAIR OF RC-9-26 WHICH WAS THE CAUSE OF THE LEAK. OIL WAS ADDED TO BOTH REACTOR COOLANT PUMPS ALSO.

ON THE 26 THE COOLING TOWER BLOWDOWN HAD TO BE INCREASED TO GREATER THAN THE CURRENT LIMIT OF 800 CFS FOR SEVERAL HOURS DUE TO THE HIGH TEMPERATURES.

CURRENT CONTINUOUS OPERATING RUN OF 123 DAYS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE JULY 3, 1990

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH: JUNE-----1990--

DAY AVERAGE_DAILY_POWER_LEVEL_(MWE-NET)

1	499
2	498
3	508
4	511
5	506
6	504
7	504
8	505
9	505
10	501
11	500
12	497
13	495
14	497
15	499
16	502
17	497
18	506
19	501
20	504
21	502
22	505
23	383
24	503
25	498
26	500
27	499
28	498
29	497
30	499

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 JULY 3, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JUNE 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	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	4343	144983
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	3443.2	122562.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	720.0	3371.3	121019.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1177415	5170567	190532021
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	381360	1697960	62490520
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358023	1592768	58646102
19. UNIT SERVICE FACTOR	100.0	77.6	83.5
20. UNIT AVAILABILITY FACTOR	100.0	77.6	83.5
21. UNIT CAPACITY FACTOR (USING MDC NET)	98.9	72.9	80.4
22. UNIT CAPACITY FACTOR (USING DER NET)	93.8	69.2	76.3
23. UNIT FORCED OUTAGE RATE	0.0	1.0	5.8
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 EBBWIE ISLAND NO. 1
 DATE JULY 3, 1990
 COMPLETED BY DALE DUCSIAD
 TELEPHONE 612-888-1121-4376

MONTH: JUNE 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
90/06/23	F	0.0	B	5	N/A	N/A	N/A
REPAIR VALVE RC-8-26 AND ADD OIL TO RCP'S.							

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 JULY 3, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JUNE ----- 1990

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

ON JUNE 1ST OUR STATE NPDES PERMIT ALLOWS THE PLANT TO OPERATE WITH A BLOWDOWN OF 400 CFS AND ON THE 16TH IT WAS INCREASED TO 800 CFS.

THE UNIT WAS IN LOAD FOLLOW OPERATION ON THESE DATES:

JUNE 10, 11, 24 & 25.

ON THE 12TH @ 1640 A LIGHTNING STRIKE TRIPPED SOME PLANT EQUIPMENT BUT CAUSED NO MAJOR PROBLEMS OR LOAD REDUCTION. ALL AFFECTED EQUIPMENT WAS RETURNED TO SERVICE BY 1934 OF THE SAME DAY.

CURRENT CONTINUOUS OPERATING RUN OF 075 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306
 UNIT PRAIRIE ISLAND NO. 2
 DATE JULY 3, 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

MONTH: JUNE ----- 1990 --

DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

1	500
2	501
3	509
4	511
5	506
6	504
7	505
8	505
9	503
10	487
11	495
12	499
13	496
14	499
15	497
16	502
17	496
18	504
19	500
20	502
21	501
22	503
23	505
24	478
25	485
26	498
27	497
28	498
29	496
30	498

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

OPERATING DATA SHEET

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE JULY 3, 1990
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JUNE 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	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	4343	36101
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	4032.8	119934.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	720.0	3898.1	118666.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1180902	6345006	167573253
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	382000	2086120	60829040
18. NET ELECTRICAL ENERGY GENERATED (MWH)	359546	1966048	57523841
19. UNIT SERVICE FACTOR	100.0	89.8	87.2
20. UNIT AVAILABILITY FACTOR	100.0	89.8	87.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.9	90.5	84.5
22. UNIT CAPACITY FACTOR (USING DER NET)	94.2	85.4	79.7
23. UNIT FORCED OUTAGE RATE	0.0	9.4	3.2
24. FORCED OUTAGE HOURS	0.0	403.2	3949.0
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

----- FUELING AND MAINTENANCE IN AUGUST 1990 -----

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306
 UNIT NAME BEAIRIE ISLAND NO. 2
 DATE JULY 31 1990
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

MONTH: JUNE 1990

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEG. NUMBER	SYSTEM	COMPONENT
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90/06/10	S	0.0			N/A	N/A	N/A
90/06/11	S	0.0			"	"	"
90/06/24	S	0.0			"	"	"
90/06/25	S	0.0			"	"	"

ALL THESE ARE FOR LOAD FOLLOW.

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