



Northern States Power Company

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

May 7, 1991

Prairie Island Technical Specifications
Section 6.7.A.3

US 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
April, 1991

Attached is the Monthly Operating Report for April, 1991, for the Prairie Island Generating Plant.

Thomas M Parker
Manager
Nuclear Support Service

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

9105130278 910430
PDR ADOCK 05000282
R PDR

IE24
11

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE MAY 2, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: APRIL 1991

Unit One was base loaded this month; there were no shutdowns.

Coastdown operation began on the twenty-fifth at 0235 for cycle fifteen refueling and maintenance outage.

CURRENT CONTINUOUS OPERATING RUN OF 159 DAYS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE MAY 2, 1991
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121-4376

MONTH: AEBIL-----1991--

DAY AVERAGE_DAILY_POWER_LEVEL (MWE-NET)

1	506
2	505
3	501
4	497
5	498
6	500
7	498
8	504
9	509
10	510
11	517
12	507
13	515
14	511
15	509
16	511
17	502
18	507
19	507
20	511
21	509
22	508
23	509
24	505
25	494
26	490
27	481
28	477
29	474
30	474

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 MAY 2, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: APRIL 1991
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=IQ=DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719	2879	152279
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2879.0	129838.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	719.0	2879.0	128291.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1175331	4684653	202346807
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	383760	1565210	66428120
18. NET ELECTRICAL ENERGY GENERATED (MWH)	360554	1484356	62367367
19. UNIT SERVICE FACTOR	100.0	100.0	84.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	84.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.7	102.5	81.4
22. UNIT CAPACITY FACTOR (USING DER NET)	94.6	97.3	77.3
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.5
24. FORCED OUTAGE HOURS	0.0	0.0	7540.3
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

---BEVELING AND MAINTENANCE OUTAGE STARTING ON JUNE 5, EQB 24 DAYS---

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

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
UNIT NAME EBBARIE ISLAND NO. 1
DATE MAY 2 1991
COMPLETED BY DALE DUGSIAD
TELEPHONE 612-388-1121-4376

MONITOR APRIL 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
91/04/00	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	
	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 MAY 2, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: APRIL -----1221--

Unit Two was base loaded this month; there were no shutdowns.

The derate caused by core peak γ factors (FH) that started in March continued this month also. The derate ended at 1900 of the twenty-ninth when F delta H had decreased.

On the thirteenth at 0011 a power reduction was started to allow condenser tube cleaning and maintenance to 21 Feed Water Pump. After work activities were completed the ramp up started at 1640 and full power operation was reached at 1800.

CURRENT CONTINUOUS OPERATING RUN OF 121 DAYS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO.2

DATE MAY 2, 1991

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH_APRIL-----1991--

DAY AVERAGE_DAILY_POWER_LEVEL_(MWE-NET)

1	491
2	492
3	489
4	485
5	486
6	488
7	485
8	493
9	500
10	500
11	507
12	497
13	269
14	494
15	496
16	497
17	491
18	493
19	493
20	497
21	495
22	495
23	496
24	493
25	489
26	494
27	486
28	489
29	492
30	504

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 MAY 2, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: EBAIRIE ISLAND NO. 2
2. REPORTING PERIOD: AEBIL-----1991----
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-TQ-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719	2879	143397
12. NUMBER OF HOURS REACTOR WAS CRITICAL	719.0	2879.0	126566.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	719.0	2879.0	125250.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1137279	4653071	198120069
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	371810	1550780	64330190
18. NET ELECTRICAL ENERGY GENERATED (MWH)	349419	1472080	60833571
19. UNIT SERVICE FACTOR	100.0	100.0	87.3
20. UNIT AVAILABILITY FACTOR	100.0	100.0	87.3
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.2	102.3	84.8
22. UNIT CAPACITY FACTOR (USING DER NET)	91.7	96.5	80.0
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.1
24. FORCED OUTAGE HOURS	0.0	0.0	3964.0
25. SHUTDOWN SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

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

III. SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306
UNIT NAME ESSAIE ISLAND NO. 2
DATE MAY 21 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH APRIL 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LEG. NUMBER	SYSTEM	COMPONENT
91/04/01	F	0.0	F	5	N/A	N/A	N/A
Core peaking factors (FH). Reduction of 3% lasted until the 29th.							
91/04/13	S	0.0	A	5	N/A	SJ	HX
condenser tube cleaning and maintenance to 21 Feed Water Pump.							

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		