



Northern States Power Company

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March 5, 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  
February 1991

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

Thomas M Parker  
Manager  
Nuclear Support Service

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

9103200338 910228  
PDR ADOCK 05000282  
R PDR

*Test 11*

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO.1  
DATE MARCH 4, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-308-1121-4376

MONTH: FEBRUARY ---1991---

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

ON THE 10TH AT 0001 THE UNIT STARTED TO REDUCE POWER FOR A TURBINE VALVE TEST. THE TEST WAS COMPLETED WITH OUT PROBLEMS AT 0248 AND THE UNIT RETURNED TO FULL POWER OPERATION AT 0814. THERE WERE NO OTHER POWER REDUCTIONS.

CURRENT CONTINUOUS OPERATING RUN OF 098 DAYS.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE MARCH 4, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH FEBRUARY 1991

## DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

1	531
2	529
3	527
4	527
5	530
6	528
7	528
8	527
9	528
10	483
11	525
12	527
13	528
14	528
15	528
16	527
17	529
18	528
19	528
20	527
21	530
22	527
23	529
24	526
25	530
26	528
27	529
28	528

AVERAGE LOADS ABOVE 532 MWE-NET ARE DUE  
TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE MARCH 4, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: FEBRUARY 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): 558
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 532
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	YTD-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	672	1416	150816
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1416.0	128375.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	672.0	1416.0	126829.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1102394	2326697	199988851
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	371640	784420	65647330
18. NET ELECTRICAL ENERGY GENERATED (MWH)	353754	746671	61629682
19. UNIT SERVICE FACTOR	100.0	100.0	84.1
20. UNIT AVAILABILITY FACTOR	100.0	100.0	84.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	104.7	104.8	81.2
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	99.5	77.1
23. UNIT FORCED OUTAGE RATE	0.0	0.0	5.6
24. FORCED OUTAGE HOURS	0.0	0.0	7540.3
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

--- REPAIRING AND MAINTENANCE OUTAGE STARTING ON JUNE 5, FOR 24 DAYS ---

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

# UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282  
 UNIT NAME PBAIBIE ISLAND NO. 1  
 DATE MARCH 4, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

MONTH FEBRUARY 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
91/02/10	S	0.0	B	5	N/A	SB	FCV
TURBINE VALVE 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-OPERATIONAL ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND BQ.2  
DATE MARCH 4, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH FEBRUARY 1991

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

FROM THE 2ND TO THE 11TH THE UNIT WAS DERATED 1% TO 99% POWER OPERATION DUE TO CORE PEAKING FACTORS (FQ LIMIT). ON THE 11TH THE N.R.C. APPROVED WESTINGHOUSE'S LARGE BREAK LOCA ANALYSIS THUS ALLOWING THE UNIT TO RETURN TO FULL POWER OPERATION.

CURRENT CONTINUOUS OPERATING RUN OF 060 DAYS.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306  
 UNIT PRAIRIE ISLAND NO. 2  
 DATE MARCH 4, 1991  
 COMPLETED BY DALE DUGSTAD  
 TELEPHONE 612-388-1121-4376

MONTH FEBRUARY 1991

## DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

1	524
2	524
3	518
4	521
5	521
6	523
7	521
8	522
9	521
10	522
11	522
12	526
13	526
14	526
15	525
16	525
17	526
18	527
19	527
20	525
21	528
22	523
23	527
24	523
25	528
26	524
27	527
28	527

AVERAGE LOADS ABOVE 530 MWE-NET ARE DUE  
 TO COOLER CONDENSER CIRCULATING WATER

# OPERATING DATA REPORT

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO. 2  
DATE MARCH 4, 1991  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

## OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: FEBRUARY --- 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): 558
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 530
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	672	1416	141934
12. NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1416.0	125103.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	672.0	1416.0	123787.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1101934	23271.75	195794573
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	369710	780760	63560170
18. NET ELECTRICAL ENERGY GENERATED (MWH)	352206	743938	60105429
19. UNIT SERVICE FACTOR	100.0	100.0	87.2
20. UNIT AVAILABILITY FACTOR	100.0	100.0	87.2
21. UNIT CAPACITY FACTOR (USING MDC NET)	104.8	105.1	84.7
22. UNIT CAPACITY FACTOR (USING DER NET)	98.9	99.1	79.9
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.1
24. FORCED OUTAGE HOURS	0.0	0.0	3964.0
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 50-306  
 UNIT NAME EB01B1E ISLAND NO. 2  
 DATE MARCH 4, 1991  
 COMPLETED BY DALE DUGLIAD  
 TELEPHONE 612-388-1121-4376

MONTH: FEBRUARY, 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
91/02/02	F	0.0	F	5	N/A	N/A	N/A
CORE PEAKING FACTORS (FP).							

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		