



Northern States Power Company

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December 5, 1990

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  
November, 1990

Attached is the Monthly Operating Report for November, 1990 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

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PDR ADOCK 05000282  
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JEPA  
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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

THE UNIT WAS BASE LOADED THIS MONTH.

AT 1545 OF THE 21ST THE UNIT TRIPPED ON HIGH GENERATOR BUS DUCT TEMPERATURE. THE OPERATING BUS DUCT COOLING FAN TRIPPED AND WHEN THE STANDBY FAN WAS STARTED IT CIRCULATED WARM AIR PAST THE TEMPERATURE SENSOR GIVING THE TRIP SIGNAL. ACTIONS WERE TAKEN TO CORRECT THE PROBLEMS. THE REACTOR WENT CRITICAL AT 1134 OF THE 22ND AND THE GENERATOR WENT ON-LINE AT 1541.

THIS ENDED A CONTINUOUS OPERATING RUN OF APPROXIMATELY 266 DAYS.

ALL OF THE COOLING TOWERS WERE SHUTDOWN THIS MONTH FOR THE WINTER SEASON.

CURRENT CONTINUOUS OPERATING RUN OF 008 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282  
UNIT PRAIRIE ISLAND NO. 1  
DATE DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	523
2	525
3	522
4	522
5	524
6	523
7	522
8	520
9	519
10	517
11	517
12	519
13	521
14	514
15	522
16	524
17	528
18	520
19	526
20	526
21	337
22	59
23	447
24	528
25	520
26	525
27	524
28	528
29	526
30	523

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 DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: NOVEMBER 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

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9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	720	8016	148656
12. NUMBER OF HOURS REACTOR WAS CRITICAL	700.2	7096.4	126215.9
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	696.1	7020.4	124668.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1132611	11123285	196484739
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	380010	3675310	64467870
18. NET ELECTRICAL ENERGY GENERATED (MWH)	358801	3454157	60507491
19. UNIT SERVICE FACTOR	96.7	87.6	83.9
20. UNIT AVAILABILITY FACTOR	96.7	87.6	83.9
21. UNIT CAPACITY FACTOR (USING MDC NET)	99.1	85.7	80.9
22. UNIT CAPACITY FACTOR (USING DER NET)	94.0	81.3	76.8
23. UNIT FORCED OUTAGE RATE	3.3	0.8	5.7
24. FORCED OUTAGE HOURS	23.9	57.8	7540.3
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 PRAIRIE ISLAND NO. 1  
DATE DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

<u>DATE</u> YY/MM/DD	<u>TYPE</u>	<u>HOURS</u> 000.0	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
90/11/21	F	23.9	A	3	N/A	N/A	BDUC
			BUS DUCT COOLER PROBLEMS.				

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
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	<u>COMPONENT CODE</u>
	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 DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

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

CURRENT CONTINUOUS OPERATING RUN OF 052 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306  
UNIT PRAIRIE ISLAND NO.2  
DATE DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	523
2	526
3	523
4	523
5	523
6	524
7	523
8	524
9	520
10	523
11	518
12	524
13	521
14	520
15	522
16	524
17	524
18	524
19	525
20	524
21	522
22	528
23	524
24	526
25	523
26	527
27	524
28	527
29	523
30	525

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 DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: NOVEMBER 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

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9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
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N/A

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



UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306  
UNIT NAME PRAIRIE ISLAND NO. 2  
DATE DECEMBER 5, 1990  
COMPLETED BY DALE DUGSTAD  
TELEPHONE 612-388-1121-4376

MONTH: NOVEMBER 1990

<u>DATE</u> YY/MM/DD	<u>TYPE</u>	<u>HOURS</u> 000.0	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
90/11/00	NONE.						

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
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	<u>COMPONENT CODE</u>
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 303A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		