

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE JANUARY 5, 1988
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: DECEMBER 1987

THE UNIT WAS BASE LOADED THIS MONTH, NO SHUTDOWNS.
CONTINUOUS OPERATING RUN OF 172 DAYS.

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PDR ADOCK 05000282
R PDR

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AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-282
 UNIT PRAIRIE ISLAND NO. 1
 DATE JANUARY 5, 1988
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: DECEMBER 1987

DAY	AVERAGE_DAILY_POWER_LEVEL (MWE-NET)
1	529
2	528
3	527
4	529
5	525
6	503
7	529
8	525
9	530
10	525
11	525
12	528
13	526
14	529
15	527
16	528
17	527
18	527
19	528
20	527
21	528
22	524
23	527
24	528
25	527
26	527
27	526
28	529
29	524
30	529
31	520

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 JANUARY 5, 1988
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: DECEMBER 1987
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	YTD	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	8760	123096
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	7287.6	102543.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR ON-LINE	744.0	7234.2	101107.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1217722	11446956	159053924
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	411370	3812020	52074010
18. NET ELECTRICAL ENERGY GENERATED (MWH)	391435	3590268	48837665
19. UNIT SERVICE FACTOR	100.0	82.6	82.1
20. UNIT AVAILABILITY FACTOR	100.0	82.6	82.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	104.6	81.5	78.9
22. UNIT CAPACITY FACTOR (USING DER NET)	99.3	77.3	74.9
23. UNIT FORCED OUTAGE RATE	0.0	4.0	6.8
24. FORCED OUTAGE HOURS	0.0	300.2	7412.5
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):	NONE		

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: NONE

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
 UNIT NAME PRAIRIE ISLAND NO. 1
 DATE JANUARY 5, 1988
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-388-1121

MONTH: DECEMBER 1987

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
87/12/ 6	S	0.0	B	5	N/A	N/A	N/A
TURBINE VALVES 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-OPERATOR ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE JANUARY 5, 1988
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH: DECEMBER 1987

THE UNIT WAS BASE LOADED THIS MONTH, NO SHUTDOWNS.
DURING THE LATER PART OF THE MONTH THE UNIT BEGAN ITS
COASTDOWN OPERATION FOR THE UPCOMING REFUELING OUTAGE
SCHEDULED TO START ON JANUARY 6, 1988.

CONTINUOUS OPERATING RUN OF 401 CONSECUTIVE DAYS.

AVERAGE_DAILY_UNIT_POWER_LEVEL

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE JANUARY 5, 1988
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

MONTH:--DECEMBER--1987--

DAY	AVERAGE_DAILY_POWER_LEVEL_(MWE-NET)
1	521
2	519
3	519
4	526
5	512
6	523
7	521
8	514
9	509
10	501
11	500
12	499
13	494
14	492
15	482
16	478
17	474
18	468
19	459
20	456
21	455
22	443
23	440
24	435
25	428
26	422
27	414
28	411
29	403
30	402
31	398

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 JANUARY 5, 1988
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: DECEMBER 1987
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	YTD	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	8760	114214
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8760.0	100235.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	744.0	8760.0	99194.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1115759	14155199	156154555
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	369660	4681890	50498970
18. NET ELECTRICAL ENERGY GENERATED (MWH)	350807	4429989	47779393
19. UNIT SERVICE FACTOR	100.0	100.0	86.8
20. UNIT AVAILABILITY FACTOR	100.0	100.0	86.8
21. UNIT CAPACITY FACTOR (USING MDC NET)	94.3	101.1	83.7
22. UNIT CAPACITY FACTOR (USING DER NET)	89.0	95.4	78.9
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.2
24. FORCED OUTAGE HOURS	0.0	0.0	3253.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

REACTOR SHUTTING IN JANUARY 4, 1988

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 JANUARY 5, 1988
 COMPLETED BY DALE DUGSIAD
 TELEPHONE 612-388-1121

MONTH DECEMBER 1987

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LOG NUMBER	SYSTEM	COMPONENT
87/12/ 8	S	0.0	H	5	N/A	N/A	N/A
STARTED COASTDOWN OPERATION.							
87/12/26	S	0.0	B	5	N/A	N/A	N/A
TURBINE OVERSPEED TRIP TEST.							

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-OPERATOR ERROR		
	H-OTHER		



Northern States Power Company

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

January 7, 1988

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
December, 1987

Attached is the Monthly Operating Report for December, 1987 for the
Prairie Island Nuclear Generating Plant.

David Musolf
Manager of Nuclear Support Services

DMM/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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