



Northern States Power Company

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April 8, 1997

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 Nos. 50-282 License Nos. DPR-42
50-306 DPR-60

Monthly Operating Report
March 1997

Attached is the Monthly Operating Report for March 1997 for the Prairie Island Nuclear Generating Plant.

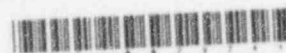
Joel P Sorensen
Plant Manager
Prairie Island Nuclear Generating Plant

c: Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
State of Minnesota - Kris Sanda

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Attachment

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NRC MONTHLY REPORT

PRINTED 04/03/97

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DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE 04/03/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: MARCH 1997

Unit 1 was base loaded for the month. There were no shutdowns or power reductions

CURRENT CONTINUOUS OPERATING RUN OF 272 DAYS

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UNIT PRAIRIE ISLAND NO. 1

DATE 04/03/97

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AVERAGE DAILY POWER LEVEL

UNIT 1

MONTH: MARCH 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
03/01/97	531
03/02/97	531
03/03/97	524
03/04/97	528
03/05/97	528
03/06/97	528
03/07/97	527
03/08/97	530
03/09/97	529
03/10/97	528
03/11/97	529
03/12/97	530
03/13/97	527
03/14/97	529
03/15/97	529
03/16/97	529
03/17/97	528
03/18/97	526
03/19/97	531
03/20/97	528
03/21/97	531
03/22/97	526
03/23/97	525
03/24/97	528
03/25/97	525
03/26/97	525
03/27/97	528
03/28/97	524
03/29/97	527
03/30/97	523
03/31/97	523

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UNIT PRAIRIE ISLAND NO. 1
DATE 04/03/97
COMPLETED BY DALE
DUGSTAD

OPERATING DATA REPORT

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: MARCH 1997
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): 545
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 513
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 - 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

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	744	2160	204168
12. NUMBER OF HOURS REACTOR CRITICAL	744.0	2160.0	175900.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	5571.1
14. HOURS GENERATOR ON-LINE	744.0	2160.0	174181.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	1224576	3549229	276602742
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	412760	1196720	91277330
18. NET ELECTRICAL ENERGY GENERATED (MWH)	392465	1137897	85850177
19. UNIT SERVICE FACTOR	100	100	85.3
20. UNIT AVAILABILITY FACTOR	100	100	85.3
21. UNIT CAPACITY FACTOR (MDC NET)	102.8	102.7	83.3
22. UNIT CAPACITY FACTOR (DER NET)	99.5	99.4	79.3
23. UNIT FORCED OUTAGE RATE	0	0	4.5
24. FORCED OUTAGE HOURS	0.0	0.0	8187.1

25. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
Refueling outage scheduled for October 15, 1997, approx. 50 days.
26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:
N/A

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DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE 04/03/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: MARCH 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
03/31/97	1	None	0					

NOTES: No shutdowns or power reduction for March.

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHEDULED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	800-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING AND LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
		9-OTHER	IEEE STD 803A-1983
	F-ADMINISTRATIVE		
	G-OPERATIONAL ERROR		
	H-OTHER		

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 04/03/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

MONTH: MARCH 1997

For March, Unit 2 continued with the refueling outage that started on Jan. 25th. The outage was extended due to two items:

1. An unreviewed safety question concerning the cooling water emergency intake line.
2. Two issues concerning Aux Feedwater:
 - A. Aux Feedwater operability with regards to a loss of FW ATWS event.
 - B. Aux Feedwater Pump runout protection (LER 1-96-010).

The outage ended on Sunday March 30 @ 0005 when the generator went on-line. The unit is limited to less than 40% of reactor power due to the AFW/FW ATWS issue.

Spent Fuel Pool Update:

Fuel assemblies in each core - 121

Fuel assemblies in the spent fuel pool

consolidate - 18

unconsolidated 1157

Licensed spent fuel pool storage capacity - 1386

Fuel assemblies in Dry Cask Storage - 280

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DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 04/03/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

AVERAGE DAILY POWER LEVEL

UNIT 2

MONTH: MARCH 1997

<u>DATE:</u>	<u>AVERAGE DAILY POWER LEVEL</u>
03/01/97	-2
03/02/97	-2
03/03/97	-2
03/04/97	-2
03/05/97	-2
03/06/97	-2
03/07/97	-3
03/08/97	-3
03/09/97	-3
03/10/97	-2
03/11/97	-2
03/12/97	-2
03/13/97	-2
03/14/97	-8
03/15/97	-15
03/16/97	-15
03/17/97	-16
03/18/97	-17
03/19/97	-17
03/20/97	-17
03/21/97	-17
03/22/97	-18
03/23/97	-18
03/24/97	-17
03/25/97	-16
03/26/97	-16
03/27/97	-17
03/28/97	-18
03/29/97	-19
03/30/97	101
03/31/97	146

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE 04/03/97

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

OPERATING DATA REPORTOPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: MARCH 1997
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): 544
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 512
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 - 7) SINCE LAST REPORT, GIVE REASON:
NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): Less than 40% reactor power.
10. REASONS FOR RESTRICTIONS, IF ANY: Due to AFW with loss of FW ATWS issue.

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	744	2160	195286
12. NUMBER OF HOURS REACTOR CRITICAL	86.3	664.2	172157.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.00	1516.1
14. HOURS GENERATOR ON-LINE	47.9	622.8	170667.1
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.00	0.00
16. GROSS THERMAL ENERGY GENERATED (MWH)	23355	925035	271847144
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	7000	308560	88943850
18. NET ELECTRICAL ENERGY GENERATED (MWH)	-1047	282991	84093765
19. UNIT SERVICE FACTOR	6.4	28.8	87.4
20. UNIT AVAILABILITY FACTOR	6.4	28.8	87.4
21. UNIT CAPACITY FACTOR (MDC NET)	-0.3	25.6	85.8
22. UNIT CAPACITY FACTOR (DER NET)	-0.3	24.7	81.2
23. UNIT FORCED OUTAGE RATE	92.3	48.1	2.7
24. FORCED OUTAGE HOURS	577.2	577.2	4691.1

25. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

N/A

26. IF CURRENTLY SHUTDOWN, ESTIMATED STARTUP DATE:

N/A

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2

DATE 04/03/97

COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376UNIT SHUTDOWNS AND POWER REDUCTIONSMONTH: MARCH 1997

DATE	UNIT	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
03/01/97	2	S	118.9	C	4	N/A		
NOTES: Continued cycle 18 refueling outage.								
03/05/97	2	F	504	D	4			
NOTES: Outage extended due to cooling water emergency intake line issue.								
03/26/97	2	F	73.2	D	4	1-97-00		
NOTES: Outage extended due to AFW operability with regards to a loss of FW ATWS event.								
03/30/97	2	F	0	D	5	1-97-00		
NOTES: Limited to less than 40% reactor power due to AFW / FW ATWS issue.								

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM CODE</u>
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHEDULED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	800-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING AND LICENSE EXAMINATION	5-REDUCED LOAD	<u>COMPONENT CODE</u>
		9-OTHER	IEEE STD 803A-1983
	F-ADMINISTRATIVE		
	G-OPERATIONAL ERROR		
	H-OTHER		