



Northern States Power Company

Prairie Island Nuclear Generating Plant

1717 Wakonade Dr. East
Welch, Minnesota 55089

August 3, 1994

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
July 1994

Attached is the Monthly Operating Report for July 1994 for the Prairie Island
Generating Plant.

Eugene Echelsch

for Roger O Anderson
Director
Licensing and Management Issues

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

Attachment

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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO.1
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994

THIS MONTH THE UNIT ENDED THE CYCLE 16-17 REFUELING OUTAGE, (STARTED ON MAY 7TH), AND RETURNED TO BASE LOAD OPERATION. THE REACTOR WENT CRITICAL ON JULY 1ST AT 1405 AND THE GENERATOR WENT ON-LINE ON JULY 2ND AT 1300. THE LENGTH OF THE OUTAGE WAS 56 DAYS.

DURING THE RAMP UP TO FULL POWER (FUEL PRECONDITIONING) THE UNIT EXPERIENCED TURBINE CONTROL CARD PROBLEMS. ON JULY 5TH AT 1915, OPERATORS NOTICED THAT THERE WAS NO TURBINE LOAD INCREASE WITH AN INCREASE TO THE REFERENCE AND SETTER CONTROL. THE UNIT'S LOAD WAS REDUCED TO APPROX 359MWe TO ALLOW CARD REPLACEMENT FOR CV-1 AND CV-2. THE WORK WAS COMPLETED AT 0015 ON JULY 6TH AND THE UNIT BEGAN TO RAMP UP AT 3/4% PER HOUR FOR FUEL PRECONDITIONING. THE UNIT REACHED 100% POWER OPERATION AT 2357 ON JULY 8TH.

THERE WERE NO OTHER POWER REDUCTIONS OR SHUTDOWNS.

CURRENT CONTINUOUS OPERATING RUN OF 29 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO.1
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	-17
2	22
3	205
4	291
5	373
6	358
7	428
8	483
9	510
10	509
11	510
12	509
13	513
14	519
15	514
16	518
17	510
18	517
19	509
20	512
21	513
22	514
23	512
24	514
25	515
26	515
27	517
28	514
29	514
30	512
31	515

AVERAGE LOADS ABOVE 513 MWE-NET ARE DUE
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO.1
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: JULY 1994
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 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

	<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 50-282
UNIT NAME PRAIRIE ISLAND NO. 1
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994 _____

<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>
94/05/07	S	37.0	C	4	N/A	N/A	FUEL
REFUELING OUTAGE CYCLE 16 TO 17.							
94/07/05	F	0.0	A	5	N/A	TA	FCV
REPLACE CARDS FOR TURBINE CONTROL VALVES CV-1 AND CV-2.							

<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 AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994

THE UNIT WAS BASE LOADED THIS MONTH.

ON JULY 21ST, AT 1019, THE REACTOR TRIPPED FROM A TURBINE TRIP WHICH WAS CAUSED BY A GENERATOR 86 LOCKOUT. THIS IS THE RESULT OF A FAILED SPRINKLER HEAD. THE PLANT WAS CONDUCTING A HYDRO TEST OF RECENTLY INSTALLED FIRE PROTECTION SPRINKLER PIPING. A SPRINKLER HEAD FAILED, SPRAYING WATER ONTO THE GENERATOR BUSHINGS AND ISOPHASE BUS DUCT WHICH CAUSED EXCESSIVE GROUND CURRENT TO BE PICKED UP BY A 59 RELAY WHICH RESULTED IN THE GENERATOR LOCKOUT.

AFTER INSPECTION AND REPAIRS, THE REACTOR WENT CRITICAL ON JULY 22ND AT 0311 AND THE GENERATOR WENT ON-LINE AT 0703. THE UNIT REACHED FULL POWER OPERATION AT 1422.

THIS ENDED A CONTINUOUS OPERATING RUN OF 115 DAYS. THERE WERE NO OTHER REDUCTIONS OR SHUTDOWNS.

CURRENT CONTINUOUS OPERATING RUN OF 9 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO.2
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWE-NET)</u>
1	510
2	517
3	518
4	518
5	514
6	513
7	511
8	514
9	517
10	514
11	515
12	514
13	515
14	517
15	517
16	517
17	512
18	513
19	513
20	512
21	209
22	283
23	512
24	511
25	514
26	518
27	515
28	516
29	513
30	513
31	514

AVERAGE LOADS ABOVE 512 MWE-NET ARE DUE
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO.2
DATE AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: JULY 1994
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 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

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
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REFUELING OUTAGE IN MAY 1995.

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 AUGUST 2, 1994
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: JULY 1994

<u>DATE</u> <u>YY/MM/DD</u>	<u>TYPE</u>	<u>HOURS</u> <u>000.0</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>
94/07/21	F	20.7	A	3	N/A	EL	BDUC
FAILURE OF A SPRINKLER HEAD DURING A HYDRO TEST THAT SPRAYED WATER ONTO THE GENERATOR BUSHINGS.							

<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		