

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH December 1978

The unit was removed from service at 0348 on 12-9 to replace the detector for NIS Channel N42 and to add oil to the reactor coolant pump motors. The reactor remained at hot standby (critical) during the work but tripped on the restart. The unit was returned to service at 1423 the same day.

SPENT FUEL STORAGE UPDATE

Fuel assemblies in each core - No change

Fuel assemblies in the spent fuel storage pool - 240

Licensed spent fuel storage pool capacity - No change

Date of last refueling that can be discharged with present capacity - No change

7901110082

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH December 1978

PINGP 118, Rev. 5

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>517</u>	17	<u>518</u>
2	<u>515</u>	18	<u>518</u>
3	<u>518</u>	19	<u>515</u>
4	<u>516</u>	20	<u>517</u>
5	<u>517</u>	21	<u>514</u>
6	<u>517</u>	22	<u>514</u>
7	<u>516</u>	23	<u>516</u>
8	<u>517</u>	24	<u>517</u>
9	<u>201</u>	25	<u>517</u>
10	<u>502</u>	26	<u>515</u>
11	<u>513</u>	27	<u>517</u>
12	<u>516</u>	28	<u>514</u>
13	<u>517</u>	29	<u>516</u>
14	<u>516</u>	30	<u>515</u>
15	<u>515</u>	31	<u>517</u>
16	<u>516</u>		

Average loads above 507 MWe-Net are due to cooler condenser circulating water.

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50- 282  
DATE 790102  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

1. Unit Name: Prairie Island No. 1
2. Reporting Period: December 1978
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): 538
7. Maximum Dependable Capacity (Net MWe): 507
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report:  
Give Reason: \_\_\_\_\_
9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons for Restrictions, If Any: \_\_\_\_\_

Notes

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	744	8760	44208
12. Number Of Hours Reactor Was Critical	742.5	8104.3	34689.1
13. Reactor Reserve Shutdown Hours	0.0	103.0	4455.1
14. Hours Generator On Line	733.4	8014.7	33717.2*
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1198352	12446517	52280582
17. Gross Electrical Energy Generated (MWH)	399410	4063370	17030890
18. Net Electrical Energy Generated (MWH)	376029	3810718	15928432
19. Unit Service Factor	98.6	91.5	76.3
20. Unit Availability Factor	98.6	91.5	76.3
21. Unit Capacity Factor (Using MDC Net)	99.7	85.8	71.1
22. Unit Capacity Factor (Using DER Net)	95.4	82.1	68.0
23. Unit Forced Outage Rate	0.0	1.6	12.5

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):  
Refueling, Fall 1979, 5 weeks

25. If Shut Down at End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

\* includes small correction for previous errors

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1978

DOCKET NO. 50- 282

UNIT NAME Prairie Island No. 1

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 512-333-4167

Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
781209	S	10.6	B	3	N/A	IA	Instru	Unit taken off line for replacement of NIS Channel N42 detector and addition of oil to reactor coolant pump motors.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason  
A-Equipment Failure(Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Trip  
3-Automatic Trip  
4-Other (Explain)

<sup>4</sup> Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0151)

<sup>5</sup> Exhibit I - Licensee

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 612-288-4767

MONTH December 1978

The Cycle 3-4 refueling was ended at 0942 on 12-16, an outage of 19 days, 10 hours. An MSIV test button was inadvertently operated at 0220 on 12-17, causing an MSIV closure and turbine trip/reactor trip. The unit was returned to service at 1013 the same day.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH December 1978

PINGP 118, Rev. 5

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>-2</u>	17	<u>96</u>
2	<u>-2</u>	18	<u>319</u>
3	<u>-2</u>	19	<u>428</u>
4	<u>-2</u>	20	<u>507</u>
5	<u>-2</u>	21	<u>518</u>
6	<u>-2</u>	22	<u>517</u>
7	<u>-2</u>	23	<u>520</u>
8	<u>-2</u>	24	<u>521</u>
9	<u>-2</u>	25	<u>522</u>
10	<u>-2</u>	26	<u>487</u>
11	<u>-2</u>	27	<u>522</u>
12	<u>-3</u>	28	<u>518</u>
13	<u>-8</u>	29	<u>521</u>
14	<u>-13</u>	30	<u>519</u>
15	<u>-17</u>	31	<u>524</u>
16	<u>61</u>		

Average loads above 507 MWe-Net are due to cooler condenser circulating water.



# OPERATING DATA REPORT

DOCKET NO 50- 306  
DATE 790102  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

## OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: December 1978
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): 538
7. Maximum Dependable Capacity (Net MWe): 507
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report:  
Give Reason: \_\_\_\_\_
9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons for Restrictions, If Any: \_\_\_\_\_

Notes

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	744	8760	35326
12. Number Of Hours Reactor Was Critical	398.2	8181.4	30443.6
13. Reactor Reserve Shutdown Hours	0.0	8.2	1378.7
14. Hours Generator On Line	366.4	8128.8	29735.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	546549	12820171	46019285
17. Gross Electrical Energy Generated (MWH)	182000	4180680	14587740
18. Net Electrical Energy Generated (MWH)	168835	3924435	13645588
19. Unit Service Factor	49.2	92.8	84.2
20. Unit Availability Factor	49.2	92.8	84.2
21. Unit Capacity Factor (Using MDC Net)	44.8	88.4	76.2
22. Unit Capacity Factor (Using DER Net)	42.8	84.5	72.9
23. Unit Forced Outage Rate	2.1	0.4	6.0
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): Refueling, Spring 1979, 5 weeks			
25. If Shut Down at End Of Report Period, Estimated Date of Startup:			

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1978

DOCKET NO. 50- 306

UNIT NAME Prairie Island No. 2

DATE 790102

COMPLETED BY A. A. Hunstad

TELEPHONE 512-333-4767

Date	Type <sup>1</sup>	Duration (hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
781126	S	369.7	C	2	N/A	N/A	N/A	Refueling
781217	F	7.9	G	3	N/A	HB	Instru	Trip when one MSIV closed due to inadvertent actuation of its test switch

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason  
A-Equipment Failure(Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Trip  
3-Automatic Trip  
4-Other (Explain)

<sup>4</sup> Exhibit G-In-  
structions for  
Preparation of  
Data Entry Sheets  
for Licensee Event  
Report (LER) File  
(NUREG-0151)

<sup>5</sup> Exhibit I - Data Entry