

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 811101

COMPLETED BY A. Hunstad

TELEPHONE 612-388- 1121

MONTH OCTOBER 1981

Refueling continued until 1321 on October 27th when the unit was again put on line. After a warmup period, the unit was taken off at 0147 on October 28th for turbine overspeed testing; the unit was back in service at 0321 the same day. At 1047 the same day, the unit was taken off to investigate suspected hydrogen cooler leakage as a possible source of moisture in the main generator. The unit was back in service at 1145 on October 29th.

SPENT FUEL STORAGE UPDATE

Fuel assemblies in each core - 121

Fuel assemblies in the spent fuel storage pool - 441

Licensed spent fuel storage pool capacity - 1582\*

Date of last refueling that can be discharged with present capacity - 1988\*\*

\*NRC authorized an increase in spent fuel storage capacity from 687 to 1582 spaces on May 13, 1981, but the approval limited the number of spent fuel assemblies which may be stored 1120 until the heavy loads issue has been evaluated for Prairie Island.

\*\* Pool No. 1 has been modified increasing the current capacity to 1017.

Pool No. 2 will be modified prior to the next refueling.

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PDR ADOCK 05000282  
R PDR

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 8/11/01

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH OCTOBER 1981

PINGP 118, Rev. 7

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>-3</u>	17	<u>-3</u>
2	<u>-3</u>	18	<u>-3</u>
3	<u>-3</u>	19	<u>-3</u>
4	<u>-3</u>	20	<u>-3</u>
5	<u>-3</u>	21	<u>-3</u>
6	<u>-3</u>	22	<u>-3</u>
7	<u>-3</u>	23	<u>-4</u>
8	<u>-3</u>	24	<u>-12</u>
9	<u>-3</u>	25	<u>-15</u>
10	<u>-3</u>	26	<u>-15</u>
11	<u>-3</u>	27	<u>3</u>
12	<u>-3</u>	28	<u>12</u>
13	<u>-3</u>	29	<u>47</u>
14	<u>-3</u>	30	<u>291</u>
15	<u>-3</u>	31	<u>380</u>
16	<u>-3</u>		

Average loads above 503 MWe-Net are due to cooler condenser circulating water.

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-282  
 DATE 811101  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 612-388-1121

1. Unit Name: Prairie Island No. 1
2. Reporting Period: OCTOBER 1981
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: \_\_\_\_\_

Notes

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons for Restrictions, If Any: \_\_\_\_\_

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	745	7296	69048
12. Number Of Hours Reactor Was Critical	127.3	6390.0	54557.1
13. Reactor Reserve Shutdown Hours	0.0	18.8	5556.9
14. Hours Generator On Line	80.1	6340.2	53330.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	68509	10181095	82901776
17. Gross Electrical Energy Generated (MWH)	20570	3330390	26811900
18. Net Electrical Energy Generated (MWH)	14897	3116718	25062325
19. Unit Service Factor	10.8	86.9	77.2
20. Unit Availability Factor	10.8	86.9	77.2
21. Unit Capacity Factor (Using MDC Net)	4.0	84.9	72.2
22. Unit Capacity Factor (Using DER Net)	3.8	80.6	68.5
23. Unit Forced Outage Rate	0.0	0.3	10.9

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):  
Refueling, Fall 1982, 6 weeks.
25. If Shut Down at End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER 1981DOCKET NO. 50-282UNIT NAME Prairie Island No. 1DATE 811101COMPLETED BY A. A. HunstadTELEPHONE 612-388-1121

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
810919	S	638.3	C	2	NA	NA	NA	Refueling
811028	S	1.6	B	NA	NA	NA	NA	Shutdown to perform turbine overspeed testing.
811028	S	25.0	B	1	NA	NA	NA	Shutdown to investigate suspected hydrogen cooler leakage as a possible source of moisture in the generator.

<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-0161)

<sup>5</sup> Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306

UNIT Prairie Island No.2

DATE 811101

COMPLETED BY A. Hunstad

TELEPHONE 612-388- 1121

MONTH OCTOBER 1981

The unit was base loaded this month until October 29th at 1542 when the unit was shutdown and cooled down to repair containment purge supply valves which had failed their local leakage rate test. The valves were repaired and the unit was returned to service at 1842 on October 31st.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 811101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH OCTOBER 1981

PINCP 118, Rev. 7

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>512</u>	17	<u>513</u>
2	<u>511</u>	18	<u>514</u>
3	<u>512</u>	19	<u>515</u>
4	<u>508</u>	20	<u>471</u>
5	<u>511</u>	21	<u>510</u>
6	<u>513</u>	22	<u>515</u>
7	<u>513</u>	23	<u>511</u>
8	<u>514</u>	24	<u>508</u>
9	<u>509</u>	25	<u>502</u>
10	<u>508</u>	26	<u>500</u>
11	<u>480</u>	27	<u>500</u>
12	<u>508</u>	28	<u>508</u>
13	<u>505</u>	29	<u>322</u>
14	<u>505</u>	30	<u>-15</u>
15	<u>511</u>	31	<u>47</u>
16	<u>513</u>		

Average loads above 500 MWe-Net are due to cooler condenser circulating water.

# OPERATING DATA REPORT

DOCKET NO 50- 306

DATE 811101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

## OPERATING STATUS

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: OCTOBER 1981
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: \_\_\_\_\_
9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reasons for Restrictions, If Any: \_\_\_\_\_

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	745	7296	60166
12. Number Of Hours Reactor Was Critical	698.4	4898.8	51280.6
13. Reactor Reserve Shutdown Hours	0.0	8.1	1516.1
14. Hours Generator On Line	694.0	4845.0	50415.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1130403	7775358	78874348
17. Gross Electrical Energy Generated (MWH)	372610	2519660	25278600
18. Net Electrical Energy Generated (MWH)	350909	2356046	23663949
19. Unit Service Factor	93.2	66.4	83.8
20. Unit Availability Factor	93.2	66.4	83.8
21. Unit Capacity Factor (Using MDC Net)	94.2	64.6	68.5
22. Unit Capacity Factor (Using DER Net)	88.9	60.9	64.7
23. Unit Forced Outage Rate	6.8	18.5	5.8
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, Summer 1982, 6 weeks.</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			



# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER 1981

DOCKET NO. 50-306

UNIT NAME Prairie Island No. 2

DATE 8/11/81

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

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
8/11/81	F	51.0	B	2	RO-81-25	SA	VALVEX	Shutdown and cooldown to repair containment purge supply valves which failed their local leakage rate test.

<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:  
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2-Manual Trip  
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<sup>4</sup> Exhibit G-In-  
structions for  
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<sup>5</sup> Exhibit 1 - Same Source