

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 810901

COMPLETED BY A A Hunstad

TELEPHONE 612-388- 1121

MONTH August 1981

The unit was base loaded this month. At 1946 on August 31st, a control card in the turbine E-H system failed, closing the control valves, and causing a reactor trip from low steam generator level. Unit 1 had been on line since November 11, 1980, a run of 293 days.

PINGP 353, Rev. 1

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 810901

COMPLETED BY A A Hunstad

TELEPHONE 612-388-1121

MONTH August 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>431</u>	17	<u>496</u>
2	<u>494</u>	18	<u>494</u>
3	<u>496</u>	19	<u>496</u>
4	<u>498</u>	20	<u>497</u>
5	<u>497</u>	21	<u>497</u>
6	<u>497</u>	22	<u>500</u>
7	<u>497</u>	23	<u>496</u>
8	<u>495</u>	24	<u>498</u>
9	<u>496</u>	25	<u>498</u>
10	<u>495</u>	26	<u>498</u>
11	<u>496</u>	27	<u>499</u>
12	<u>497</u>	28	<u>498</u>
13	<u>497</u>	29	<u>499</u>
14	<u>497</u>	30	<u>497</u>
15	<u>487</u>	31	<u>405</u>
16	<u>425</u>		

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50- 282  
 DATE 810901  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 612-388-1121

1. Unit Name: Prairie Island No. 1
2. Reporting Period: August 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: \_\_\_\_\_
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	5831	67583
12. Number Of Hours Reactor Was Critical	739.8	5826.8	53993.9
13. Reactor Reserve Shutdown Hours	4.2	4.2	5542.3
14. Hours Generator On Line	739.8	5826.8	52817.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1203906	9485388	82206069
17. Gross Electrical Energy Generated (MWH)	387640	3107720	26589230
18. Net Electrical Energy Generated (MWH)	363933	2915188	24860795
19. Unit Service Factor	99.4	99.9	78.2
20. Unit Availability Factor	99.4	99.9	78.2
21. Unit Capacity Factor (Using MDC Net)	97.2	99.4	73.1
22. Unit Capacity Factor (Using DER Net)	92.3	94.3	69.4
23. Unit Forced Outage Rate	0.6	0.0	11.0
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling September 19, 1981 5 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: <u>810901</u>			

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1981DOCKET NO. 50- 282UNIT NAME Prairie Island No. 1DATE 810901COMPLETED 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
810831	F	4.2	A	3	NA	NA	NA	Trip when a capacitor on a turbine E-H control card failed and turbine control valves closed. Reactor trip came from low steam generator level.

<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-0161)

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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306  
UNIT Prairie Island No. 2  
DATE 810901  
COMPLETED BY A A Hunstad  
TELEPHONE 612-388-1121

MONTH August 1981

The unit was in Load Follow operation this month; no shutdowns.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 810901

COMPLETED BY A A Hunstad

TELEPHONE 612-388-1121

MONTH August 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>494</u>	17	<u>492</u>
2	<u>493</u>	18	<u>496</u>
3	<u>493</u>	19	<u>497</u>
4	<u>495</u>	20	<u>496</u>
5	<u>494</u>	21	<u>497</u>
6	<u>494</u>	22	<u>493</u>
7	<u>495</u>	23	<u>498</u>
8	<u>446</u>	24	<u>494</u>
9	<u>463</u>	25	<u>496</u>
10	<u>439</u>	26	<u>495</u>
11	<u>492</u>	27	<u>496</u>
12	<u>491</u>	28	<u>496</u>
13	<u>492</u>	29	<u>496</u>
14	<u>496</u>	30	<u>447</u>
15	<u>495</u>	31	<u>497</u>
16	<u>496</u>		

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50- 306

DATE 810901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: August 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	<u>744</u>	<u>5831</u>	<u>58701</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>3711.7</u>	<u>50093.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>8.1</u>	<u>1516.1</u>
14. Hours Generator On Line	<u>744.0</u>	<u>3666.3</u>	<u>49237.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1207705</u>	<u>5871934</u>	<u>76970924</u>
17. Gross Electrical Energy Generated (MWH)	<u>387440</u>	<u>1895330</u>	<u>24654270</u>
18. Net Electrical Energy Generated (MWH)	<u>363712</u>	<u>1771274</u>	<u>23079177</u>
19. Unit Service Factor	<u>100.0</u>	<u>62.9</u>	<u>83.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>62.9</u>	<u>83.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.8</u>	<u>60.8</u>	<u>78.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>92.2</u>	<u>57.3</u>	<u>74.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>22.3</u>	<u>5.9</u>

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):

Refueling, Spring 1982 6 weeks

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1981DOCKET NO. 50- 306UNIT NAME Prairie Island No. 2DATE 810901COMPLETED BY A. A. HunstadTELEPHONE 612-388-1121

Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting <sup>3</sup> Down Reactor	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence

1 F: Forced  
S: Scheduled

2 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)

3 Method:  
1-Manual  
2-Manual Trip  
3-Automatic Trip  
4-Other (Explain)

4 Exhibit G-In-  
structions for  
Preparation of  
Data Entry Sheets  
for Licensee Event  
Report (LER) File  
(NUREG-0161)

5 Exhibit 1 - Same Source