

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 810701

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH JUNE 1981

The unit was base loaded this month except for power reductions taken on June 6 & 7 for condenser cleaning.

PINCP 353, Rev. 1

# DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 810701

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH JUNE 1981

PIRGF 118, Rev. 7

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>496</u>	17	<u>499</u>
2	<u>493</u>	18	<u>500</u>
3	<u>498</u>	19	<u>502</u>
4	<u>494</u>	20	<u>501</u>
5	<u>495</u>	21	<u>503</u>
6	<u>335</u>	22	<u>500</u>
7	<u>346</u>	23	<u>497</u>
8	<u>499</u>	24	<u>493</u>
9	<u>502</u>	25	<u>499</u>
10	<u>469</u>	26	<u>495</u>
11	<u>499</u>	27	<u>494</u>
12	<u>498</u>	28	<u>489</u>
13	<u>493</u>	29	<u>492</u>
14	<u>493</u>	30	<u>492</u>
15	<u>498</u>	31	<u>      </u>
16	<u>495</u>		

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50- 282  
 DATE 810701  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 612-388-1121

1. Unit Name: Prairie Island No.1
2. Reporting Period: JUNE 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	<u>720</u>	<u>4343</u>	<u>66095</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>4343.0</u>	<u>52510.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5538.1</u>
14. Hours Generator On Line	<u>720.0</u>	<u>4343.0</u>	<u>51333.6</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>1155660</u>	<u>7065234</u>	<u>79785915</u>
17. Gross Electrical Energy Generated (MWH)	<u>375260</u>	<u>2328210</u>	<u>25809720</u>
18. Net Electrical Energy Generated (MWH)	<u>349410</u>	<u>2187211</u>	<u>24132818</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>77.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.5</u>	<u>100.1</u>	<u>72.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.6</u>	<u>95.0</u>	<u>68.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>11.3</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, September 1981, 6 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

POCKET NO. 50- 282

UNIT NAME Prairie Island No. 1

DATE 810701

COMPLETED BY A. A. Hunstad

EL.EPHONE 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

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)

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

5 Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306  
UNIT Prairie Island No. 2  
DATE 810701  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388- 1121

MONTH JUNE 1981

The unit was base loaded this month until June 11, when increasing seal leakoff flow and increasing vibration were seen on No. 21 Reactor Coolant Pump. The unit was shut down at 2230. The increased vibration was not eliminated by balancing so the pump will be decontaminated, dissassembled and inspected.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 810701

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH JUNE 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>496</u>	17	<u>-4</u>
2	<u>495</u>	18	<u>-4</u>
3	<u>499</u>	19	<u>-3</u>
4	<u>493</u>	20	<u>-3</u>
5	<u>495</u>	21	<u>-3</u>
6	<u>504</u>	22	<u>-3</u>
7	<u>500</u>	23	<u>-3</u>
8	<u>498</u>	24	<u>-3</u>
9	<u>500</u>	25	<u>-3</u>
10	<u>493</u>	26	<u>-3</u>
11	<u>453</u>	27	<u>-3</u>
12	<u>-11</u>	28	<u>-3</u>
13	<u>-6</u>	29	<u>-3</u>
14	<u>-6</u>	30	<u>-3</u>
15	<u>-11</u>	31	<u>      </u>
16	<u>-5</u>		

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50- 306

DATE 810701

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: JUNE 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>720</u>	<u>4343</u>	<u>57213</u>
12. Number Of Hours Reactor Was Critical	<u>262.5</u>	<u>2777.4</u>	<u>49159.2</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>1508.0</u>
14. Hours Generator On Line	<u>262.5</u>	<u>2740.2</u>	<u>48311.1</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>431323</u>	<u>4408796</u>	<u>75507786</u>
17. Gross Electrical Energy Generated (MWH)	<u>138660</u>	<u>1427330</u>	<u>24186270</u>
18. Net Electrical Energy Generated (MWH)	<u>128162</u>	<u>1334985</u>	<u>22642888</u>
19. Unit Service Factor	<u>36.5</u>	<u>63.1</u>	<u>84.4</u>
20. Unit Availability Factor	<u>36.5</u>	<u>63.1</u>	<u>84.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>35.6</u>	<u>61.5</u>	<u>79.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>33.6</u>	<u>58.0</u>	<u>74.7</u>
23. Unit Forced Outage Rate	<u>63.5</u>	<u>15.2</u>	<u>4.9</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, Spring 1982, 6 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: <u>810731</u>			

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JUNE 1981

DOCKET NO. 50- 306

UNIT NAME Prairie Island No. 2

DATE 810701

COMPLETED BY A. A. Hunstad

TELEPHONE 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
810711	F	457.5	B	1	N/A	N/A	N/A	Shutdown to investigate increased vibration and seal leakoff flow on No. 21 RCP. Investigation is in progress.

<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 I - Same Source