

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 781101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH October 1978

Operation was routine this month; no shutdowns.

On October 24th, leakage from No. 12 charging pump (Ajax Model T-125) was noted. Inspection revealed a crack in the pump cylinder block. Repair of the block is in progress.

PINGr 353 Rev 0

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DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 781101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH October 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>505</u>	17	<u>477</u>
2	<u>505</u>	18	<u>506</u>
3	<u>492</u>	19	<u>508</u>
4	<u>478</u>	20	<u>503</u>
5	<u>502</u>	21	<u>503</u>
6	<u>504</u>	22	<u>507</u>
7	<u>506</u>	23	<u>508</u>
8	<u>508</u>	24	<u>507</u>
9	<u>504</u>	25	<u>511</u>
10	<u>503</u>	26	<u>511</u>
11	<u>502</u>	27	<u>509</u>
12	<u>499</u>	28	<u>511</u>
13	<u>503</u>	29	<u>506</u>
14	<u>506</u>	30	<u>507</u>
15	<u>505</u>	31	<u>509</u>
16	<u>503</u>		

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-282  
DATE 781101  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

1. Unit Name: Prairie Island No. 1
2. Reporting Period: October 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	<u>745</u>	<u>7296</u>	<u>42744</u>
12. Number Of Hours Reactor Was Critical	<u>745.0</u>	<u>6641.8</u>	<u>33226.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>103.0</u>	<u>4455.1</u>
14. Hours Generator On Line	<u>745.0</u>	<u>6561.3</u>	<u>32261.9</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>1218111</u>	<u>10147448</u>	<u>49981513</u>
17. Gross Electrical Energy Generated (MWH)	<u>398300</u>	<u>3301050</u>	<u>16268570</u>
18. Net Electrical Energy Generated (MWH)	<u>375095</u>	<u>3093651</u>	<u>15211365</u>
19. Unit Service Factor	<u>100.0</u>	<u>89.9</u>	<u>75.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>89.9</u>	<u>75.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.3</u>	<u>83.6</u>	<u>70.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.0</u>	<u>80.0</u>	<u>67.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.9</u>	<u>13.0</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, Spring 79, 5 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

PINCP 119, Rev.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-282

UNIT NAME Prairie Island No. 1

DATE 781101

COMPLETED BY A. A. Hunstad

TELEPHONE 512-333-4767

REPORT MONTH October 1978

Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licenses 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
- (MREG-0151)

5

Exhibit 1 - 3123 1-1978

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 781101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-288-4767

MONTH October 1978

Operation was routine this month; no shutdowns.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 781101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH October 1978

PINCP 118, Rev. 5

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>449</u>	17	<u>497</u>
2	<u>497</u>	18	<u>503</u>
3	<u>496</u>	19	<u>507</u>
4	<u>497</u>	20	<u>501</u>
5	<u>497</u>	21	<u>501</u>
6	<u>498</u>	22	<u>504</u>
7	<u>503</u>	23	<u>507</u>
8	<u>503</u>	24	<u>509</u>
9	<u>497</u>	25	<u>507</u>
10	<u>497</u>	26	<u>509</u>
11	<u>497</u>	27	<u>506</u>
12	<u>495</u>	28	<u>509</u>
13	<u>501</u>	29	<u>437</u>
14	<u>504</u>	30	<u>502</u>
15	<u>507</u>	31	<u>509</u>
16	<u>500</u>		

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

# OPERATING DATA REPORT

DOCKET NO 50-306  
DATE 781101  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

## OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: October 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

PINCP 119, Rev. 9

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	<u>745</u>	<u>7296</u>	<u>33862</u>
12. Number Of Hours Reactor Was Critical	<u>745.0</u>	<u>7158.0</u>	<u>29420.2</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>8.2</u>	<u>1378.7</u>
14. Hours Generator On Line	<u>745.0</u>	<u>7138.6</u>	<u>28745.4</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>1214054</u>	<u>11293040</u>	<u>44492154</u>
17. Gross Electrical Energy Generated (MWH)	<u>394310</u>	<u>3677570</u>	<u>14084630</u>
18. Net Electrical Energy Generated (MWH)	<u>371105</u>	<u>3454699</u>	<u>13175852</u>
19. Unit Service Factor	<u>100.0</u>	<u>97.8</u>	<u>84.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>97.8</u>	<u>84.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.3</u>	<u>93.4</u>	<u>76.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.0</u>	<u>89.3</u>	<u>73.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.4</u>	<u>6.2</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, November 26, 4 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

# UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-306  
 UNIT NAME Prairie Island No. 2  
 DATE 781101  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 512-333-4767

REPORT MONTH October 1978

Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code #	Component Code #	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-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (WPPG-0151)

5 Exhibit 1 - 371