

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 791001

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH SEPTEMBER 1979

The unit was in Load Follow operation this month. An outage was taken at 0338 on 9/30 to repair turbine steam leaks. One source range channel was seen to be inoperable so the detector was replaced. The unit was restarted at 1940 the same day.

POOR ORIGINAL

1151 331

7910150489

PINCP 333 Rev 0

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 791001

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH SEPTEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>471</u>	17	<u>423</u>
2	<u>471</u>	18	<u>468</u>
3	<u>468</u>	19	<u>470</u>
4	<u>469</u>	20	<u>470</u>
5	<u>471</u>	21	<u>466</u>
6	<u>467</u>	22	<u>415</u>
7	<u>466</u>	23	<u>387</u>
8	<u>468</u>	24	<u>398</u>
9	<u>472</u>	25	<u>409</u>
10	<u>449</u>	26	<u>446</u>
11	<u>471</u>	27	<u>370</u>
12	<u>471</u>	28	<u>470</u>
13	<u>471</u>	29	<u>393</u>
14	<u>468</u>	30	<u>42</u>
15	<u>469</u>	31	<u>-</u>
16	<u>469</u>		

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

1151 332

# OPERATING DATA REPORT

POOR ORIGINAL

## OPERATING STATUS

DOCKET NO 50- 282

DATE 791001

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

Notes

1. Unit Name: Prairie Island No. 1
2. Reporting Period: September 1979
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): 501
7. Maximum Dependable Capacity (Net MWe): 470
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>6551</u>	<u>51759</u>
12. Number Of Hours Reactor Was Critical	<u>706.0</u>	<u>5055.8</u>	<u>39744.9</u>
13. Reactor Reserve Shutdown Hours	<u>14.0</u>	<u>824.1</u>	<u>5279.2</u>
14. Hours Generator On Line	<u>704.0</u>	<u>4967.4</u>	<u>38684.6</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>1116328</u>	<u>7722134</u>	<u>60002716</u>
17. Gross Electrical Energy Generated (MWH)	<u>337350</u>	<u>2477590</u>	<u>19508480</u>
18. Net Electrical Energy Generated (MWH)	<u>314904</u>	<u>2314638</u>	<u>18243070</u>
19. Unit Service Factor	<u>97.8</u>	<u>75.8</u>	<u>74.7</u>
20. Unit Availability Factor	<u>97.8</u>	<u>75.8</u>	<u>74.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.1</u>	<u>70.2</u>	<u>70.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>82.5</u>	<u>66.7</u>	<u>66.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>13.3</u>	<u>12.6</u>

4. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):  
Refueling, Spring 1980, 5 weeks

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

1151 333

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER 1979

DOCKET NO. 50-282

UNIT NAME Prairie Island No. 1

DATE 791001

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
790930	5	16.0	B	3	N/A	HA	TURBIN	Shutdown to repair steam leaks; also replaced detector for source range channel N31.

<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

PINCP 120, Rev. 4

1151 334

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 791001

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH SEPTEMBER 1979

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

1151 335

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 791001

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH SEPTEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>492</u>	17	<u>493</u>
2	<u>464</u>	18	<u>494</u>
3	<u>448</u>	19	<u>471</u>
4	<u>490</u>	20	<u>494</u>
5	<u>493</u>	21	<u>496</u>
6	<u>494</u>	22	<u>498</u>
7	<u>496</u>	23	<u>498</u>
8	<u>496</u>	24	<u>455</u>
9	<u>397</u>	25	<u>497</u>
10	<u>492</u>	26	<u>495</u>
11	<u>460</u>	27	<u>492</u>
12	<u>494</u>	28	<u>427</u>
13	<u>498</u>	29	<u>494</u>
14	<u>456</u>	30	<u>500</u>
15	<u>491</u>	31	<u>-</u>
16	<u>494</u>		

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

1151 336

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-306  
 DATE 791001  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 612-388-4767

1. Unit Name: Prairie Island No. 2
2. Reporting Period: September 1979
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: \_\_\_\_\_

Notes

VGP 119, Rev. 11

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>6551</u>	<u>41877</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>6521.2</u>	<u>36964.8</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>6.5</u>	<u>1385.2</u>
14. Hours Generator On Line	<u>744.0</u>	<u>6508.8</u>	<u>36244.4</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MMWH)	<u>1154994</u>	<u>10205754</u>	<u>56225039</u>
17. Gross Electrical Energy Generated (MMWH)	<u>369820</u>	<u>3317720</u>	<u>17905460</u>
18. Net Electrical Energy Generated (MMWH)	<u>347023</u>	<u>3114010</u>	<u>16759598</u>
19. Unit Service Factor	<u>100.0</u>	<u>99.4</u>	<u>86.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>99.4</u>	<u>86.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.4</u>	<u>95.1</u>	<u>80.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.9</u>	<u>89.7</u>	<u>75.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.3</u>	<u>5.1</u>

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

Refueling, January 1980, 5 weeks.

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

1151 337

REPORT MONTH SEPTEMBER 1979

UNIT NAME Prairie Island No. 2

COMPLETED BY A. A. Hunstad

TELEPHONE 512-333-4767

POOR ORIGINAL

4

Exhibit C-In-  
structions for  
Preparation of  
Data Entry Sheets  
for Licensee Event  
Report (LER) File  
(NJREG-0151)