

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

POCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 800101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH DECEMBER 1979

The unit was in Load Follow operation this month. An outage was taken at 0029 on December 18th to repair a leaking feedwater sample tap; the unit was returned to service at 0710 the same day. At 1310 on December 31st, an outage was taken to repair a packing leak on an RTD bypass vent valve; the unit was returned to service at 1621.

1744 084

8001150 337

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 800101

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH DECEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>339</u>	17	<u>471</u>
2	<u>425</u>	18	<u>308</u>
3	<u>466</u>	19	<u>489</u>
4	<u>486</u>	20	<u>490</u>
5	<u>489</u>	21	<u>489</u>
6	<u>489</u>	22	<u>490</u>
7	<u>489</u>	23	<u>488</u>
8	<u>490</u>	24	<u>489</u>
9	<u>489</u>	25	<u>489</u>
10	<u>460</u>	26	<u>488</u>
11	<u>490</u>	27	<u>485</u>
12	<u>472</u>	28	<u>485</u>
13	<u>368</u>	29	<u>489</u>
14	<u>485</u>	30	<u>491</u>
15	<u>488</u>	31	<u>362</u>
16	<u>489</u>		

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

1744 085

# OPERATING DATA REPORT

DOCKET NO 50-282  
DATE 800101  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

## OPERATING STATUS

1. Unit Name: Prairie Island No. 1
2. Reporting Period: DECEMBER 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): 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>744</u>	<u>8760</u>	<u>52968</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>6519.3</u>	<u>41208.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>1076.8</u>	<u>5531.9</u>
14. Hours Generator On Line	<u>734.1</u>	<u>6406.3</u>	<u>40123.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (BWH)	<u>1171117</u>	<u>9798412</u>	<u>62078994</u>
17. Gross Electrical Energy Generated (MWH)	<u>369060</u>	<u>3122780</u>	<u>20153670</u>
18. Net Electrical Energy Generated (MWH)	<u>345989</u>	<u>2910820</u>	<u>18839242</u>
19. Unit Service Factor	<u>98.7</u>	<u>73.1</u>	<u>75.8</u>
20. Unit Availability Factor	<u>98.7</u>	<u>73.1</u>	<u>75.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>92.5</u>	<u>66.1</u>	<u>70.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>87.7</u>	<u>62.7</u>	<u>67.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>19.2</u>	<u>13.7</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, Summer 1980, 5 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: <u>1744 086</u>			

UNIT SHUTDOWNS AND POWER REDUCTIONSREPORT MONTH DECEMBER 1979DOCKET NO. 50-282UNIT NAME Prairie Island No. 1DATE 800101COMPLETED BY A. A. HunstadTELEPHONE 512-333-4767

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
791218	S	6.7	B	N/A	N/A	CH	PIPEXX	Shutdown to repair a leak in a feedwater sample tap.
791231	S	3.2	B	N/A	N/A	CA	VALVEX	Shutdown to repair a packing leak on an RTD bypass vent valve.

<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

1744 087

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

POCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 800101

COMPLETED BY A.A. Hunstad

TELEPHONE 612-388-4767

MONTH DECEMBER 1979

The unit was in coastdown operation this month. Cycle 4-5 refueling is scheduled for January 2, 1980.

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DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306  
UNIT Prairie Island No. 2  
DATE 800101  
COMPLETED BY A. A. Hunstad  
TELEPHONE 612-388-4767

MONTH DECEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>516</u>	17	<u>488</u>
2	<u>514</u>	18	<u>487</u>
3	<u>514</u>	19	<u>481</u>
4	<u>508</u>	20	<u>479</u>
5	<u>513</u>	21	<u>475</u>
6	<u>514</u>	22	<u>472</u>
7	<u>514</u>	23	<u>468</u>
8	<u>515</u>	24	<u>468</u>
9	<u>397</u>	25	<u>460</u>
10	<u>507</u>	26	<u>456</u>
11	<u>499</u>	27	<u>455</u>
12	<u>503</u>	28	<u>445</u>
13	<u>495</u>	29	<u>438</u>
14	<u>493</u>	30	<u>433</u>
15	<u>491</u>	31	<u>427</u>
16	<u>487</u>		

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

1744 089

# OPERATING DATA REPORT

POOR ORIGINAL

## OPERATING STATUS

DOCKET NO 50-306  
DATE 800101  
COMPLETED BY A.A. Hunstad  
TELEPHONE 612-388-4767

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

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	744	8760	44086
12. Number Of Hours Reactor Was Critical	744.0	8685.4	39129.0
13. Reactor Reserve Shutdown Hours	0.0	27.3	1406.0
14. Hours Generator On Line	744.0	8665.4	38401.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MMBtu)	1139812	13563218	59582503
17. Gross Electrical Energy Generated (MMWh)	381180	4466390	19054130
18. Net Electrical Energy Generated (MMWh)	357882	4193044	17838632
19. Unit Service Factor	100.0	98.9	87.1
20. Unit Availability Factor	100.0	98.9	87.1
21. Unit Capacity Factor (Using MDC Net)	36.2	95.7	80.9
22. Unit Capacity Factor (Using DER Net)	90.8	90.3	76.3
23. Unit Forced Outage Rate	0.0	0.6	4.9
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, January 2, 1980, 5 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

GP 119, Rev. 11

1744 090

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-306

UNIT NAME Pacific Island No. 2

FILE NO. 800101

COMPLAINED BY A. A. Hunstad

FILE NO. 512-333-4757

REPORT MONTH DECEMBER 1979

Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licenses Event Report #	System	Component	Cause & Corrective Action to Prevent Recurrence

POOR ORIGINAL

- |                                     |   |  |  |                           |
|-------------------------------------|---|--|--|---------------------------|
| <p>1 F: Forced<br/>S: Scheduled</p> | <p>2 Reason<br/>A-Equipment Failure (Explain)<br/>B-Maintenance or Test<br/>C-Refueling<br/>D-Regulatory Restriction<br/>E-Operator Training &amp; License Examination<br/>F-Administrative<br/>G-Operational Error (Explain)<br/>H-Other (Explain)</p> | <p>3 Method:<br/>1-Manual<br/>2-Manual Trip<br/>3-Automatic Trip<br/>4-Other (Explain)</p> | <p>4 Exhibit 6-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (IER) File (SPR-0151)</p> | <p>5 Exhibit 1 - Data</p> |
|-------------------------------------|---|--|--|---------------------------|

1744 091