

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT Prairie Island No. 1
DATE 810601
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

MONTH May 1981

The unit was base loaded this month; no shutdowns.

SPENT FUEL STORAGE UPDATE

Fuel assemblies in each core - 121

Fuel assemblies in the spent fuel storage pool - 401

Licensed spent fuel storage pool capacity - 1582*

Date of last refueling that can be discharged with present capacity - 1984

*NRC authorized an increase in spent fuel storage capacity from 687 to 1582 spaces on May 13, 1981, but the approval limited the number of spent fuel assemblies which may be stored to 1120 until the heavy loads issue has been evaluated for Prairie Island. The capacity increase from 687 spaces to 1582 spaces through the installation of high density borated spent fuel racks is scheduled to be completed during the 4th quarter of 1981.

8106180 341

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 810601

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

MONTH May 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>500</u>	17	<u>497</u>
2	<u>498</u>	18	<u>502</u>
3	<u>498</u>	19	<u>497</u>
4	<u>498</u>	20	<u>497</u>
5	<u>500</u>	21	<u>494</u>
6	<u>499</u>	22	<u>499</u>
7	<u>499</u>	23	<u>494</u>
8	<u>498</u>	24	<u>498</u>
9	<u>500</u>	25	<u>498</u>
10	<u>503</u>	26	<u>500</u>
11	<u>501</u>	27	<u>456</u>
12	<u>501</u>	28	<u>407</u>
13	<u>498</u>	29	<u>500</u>
14	<u>497</u>	30	<u>493</u>
15	<u>498</u>	31	<u>497</u>
16	<u>501</u>		

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

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50- 282
DATE 810601
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

1. Unit Name: Prairie Island No. 1
2. Reporting Period: May 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>744</u>	<u>3623</u>	<u>65375</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>3623.0</u>	<u>51790.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5538.1</u>
14. Hours Generator On Line	<u>744.0</u>	<u>3623.0</u>	<u>50613.6</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>1216248</u>	<u>5909574</u>	<u>78630255</u>
17. Gross Electrical Energy Generated (MWH)	<u>393470</u>	<u>1952950</u>	<u>25434460</u>
18. Net Electrical Energy Generated (MWH)	<u>369717</u>	<u>1837801</u>	<u>23783408</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>77.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.8</u>	<u>100.8</u>	<u>72.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.8</u>	<u>95.7</u>	<u>68.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>11.4</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: _____			

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1981

DOCKET NO. 50-282

UNIT NAME Prayle Island No. 1

DATE 810601

COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

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

1: 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)

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

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Exhibit I - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 810601

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388- 1121

MONTH May 1981

The unit was base loaded this month. A trip occurred at 1432 on 5-16 when two control rods dropped while troubleshooting the rod control system. The system was repaired and the unit returned to service at 2154 the same day.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306
UNIT Prairie Island No. 2
DATE 810601
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

MONTH May 1981

PINCP 118, Rev. 7

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>501</u>	17	<u>418</u>
2	<u>490</u>	18	<u>496</u>
3	<u>495</u>	19	<u>490</u>
4	<u>494</u>	20	<u>466</u>
5	<u>498</u>	21	<u>494</u>
6	<u>498</u>	22	<u>493</u>
7	<u>498</u>	23	<u>492</u>
8	<u>496</u>	24	<u>497</u>
9	<u>447</u>	25	<u>497</u>
10	<u>503</u>	26	<u>497</u>
11	<u>502</u>	27	<u>495</u>
12	<u>503</u>	28	<u>498</u>
13	<u>499</u>	29	<u>493</u>
14	<u>498</u>	30	<u>497</u>
15	<u>499</u>	31	<u>497</u>
16	<u>307</u>		

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

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-306

DATE 810601

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-1121

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: May 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>3623</u>	<u>56223</u>
12. Number Of Hours Reactor Was Critical	<u>738.2</u>	<u>2514.9</u>	<u>48896.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>1508.0</u>
14. Hours Generator On Line	<u>736.6</u>	<u>2477.7</u>	<u>48048.6</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>1195381</u>	<u>3977473</u>	<u>75076463</u>
17. Gross Electrical Energy Generated (MWH)	<u>384770</u>	<u>1288670</u>	<u>24047610</u>
18. Net Electrical Energy Generated (MWH)	<u>361130</u>	<u>1206823</u>	<u>22514726</u>
19. Unit Service Factor	<u>99.0</u>	<u>68.4</u>	<u>85.5</u>
20. Unit Availability Factor	<u>99.0</u>	<u>68.4</u>	<u>85.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.1</u>	<u>66.6</u>	<u>80.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.6</u>	<u>62.8</u>	<u>75.6</u>
23. Unit Forced Outage Rate	<u>1.0</u>	<u>1.3</u>	<u>4.1</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 May 1981DOCKET NO. 50-306UNIT NAME Prairie Island No. 2DATE 810601

COMPLETED BY _____

TELEPHONE 612-388-1121

Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
810516	F	7.4	A	3	N/A	N/A	N/A	Trip when two control rods dropped during troubleshooting of the rod control system.

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 (NUREG-0161)

⁵ Exhibit 1 - Same Source