

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-308-4767

MONTH August 1979

The unit was restarted at 1728 on August 3rd minus four rows of HP turbine blading. The unit was taken off at 0357 on the 4th for a turbine overspeed test and returned to service at 0900 the same day. The unit is in Load Follow operation this month.

361276

7909180404

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282
UNIT Prairie Island No.1
DATE 790901
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH August 1979

DAY	AVERAGE LOAD MWe-Net	DAY	AVERAGE LOAD MWe-Net
1	<u>-16</u>	17	<u>469</u>
2	<u>-16</u>	18	<u>469</u>
3	<u>- 8</u>	19	<u>470</u>
4	<u>76</u>	20	<u>472</u>
5	<u>339</u>	21	<u>471</u>
6	<u>446</u>	22	<u>470</u>
7	<u>468</u>	23	<u>470</u>
8	<u>465</u>	24	<u>461</u>
9	<u>469</u>	25	<u>380</u>
10	<u>474</u>	26	<u>465</u>
11	<u>470</u>	27	<u>461</u>
12	<u>468</u>	28	<u>459</u>
13	<u>472</u>	29	<u>470</u>
14	<u>469</u>	30	<u>470</u>
15	<u>396</u>	31	<u>471</u>
16	<u>468</u>		

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

361277

OPERATING DATA REPORT

POOR ORIGINAL

OPERATING STATUS

DOCKET NO 50-282

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

Notes

1. Unit Name: Prairie Island No. 1
2. Reporting Period: August 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: Four rows of HP turbine blading have been removed.
9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons for Restrictions, If Any: _____

	This Month	Yr-To-Date	Cumulative
1. Hours In Reporting Period	744	5831	51039
12. Number Of Hours Reactor Was Critical	699.0	4349.8	39038.9
13. Reactor Reserve Shutdown Hours	45.0	810.1	5265.2
14. Hours Generator On Line	673.5	4263.4	37980.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1055832	6605806	58886388
17. Gross Electrical Energy Generated (MWH)	318960	2140240	19171130
18. Net Electrical Energy Generated (MWH)	296752	1999734	17928166
19. Unit Service Factor	90.5	73.1	74.4
20. Unit Availability Factor	90.5	73.1	74.4
21. Unit Capacity Factor (Using MDC Net)	84.9	68.5	70.1
22. Unit Capacity Factor (Using DER Net)	75.3	64.7	66.3
23. Unit Forced Outage Rate	8.9	15.1	12.8

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, Spring 80, 5 weeks.

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

961278

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1979

DOCKET NO. 50-282

UNIT NAME Prairie Island No. 1

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 312-333-4767

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
790704	F	65.5	A	1	N/A	RA	TURBIN	Shutdown due to HP turbine damage.
790804	S	5.0	B	N/A	N/A	N/A	N/A	Shutdown to conduct turbine over-speed test.

POOR ORIGINAL

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
(NUREG-0151)

⁵ Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH August 1979

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

POOR ORIGINAL

PINCP 353 REV 0

361280

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH August 1979

POOR ORIGINAL

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>498</u>
2	<u>495</u>
3	<u>493</u>
4	<u>494</u>
5	<u>495</u>
6	<u>494</u>
7	<u>477</u>
8	<u>494</u>
9	<u>492</u>
10	<u>496</u>
11	<u>495</u>
12	<u>494</u>
13	<u>493</u>
14	<u>427</u>
15	<u>443</u>
16	<u>432</u>

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
17	<u>415</u>
18	<u>485</u>
19	<u>459</u>
20	<u>426</u>
21	<u>491</u>
22	<u>490</u>
23	<u>493</u>
24	<u>426</u>
25	<u>492</u>
26	<u>393</u>
27	<u>419</u>
28	<u>455</u>
29	<u>461</u>
30	<u>490</u>
31	<u>491</u>

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

961281

OPERATING DATA REPORT

POOR ORIGINAL

OPERATING STATUS

DOCKET NO 50-306

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: August 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: _____

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5831</u>	<u>41157</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>5777.2</u>	<u>36220.8</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>5764.8</u>	<u>35500.4</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>1173679</u>	<u>9050760</u>	<u>55070045</u>
17. Gross Electrical Energy Generated (MWH)	<u>373800</u>	<u>2947900</u>	<u>17535640</u>
18. Net Electrical Energy Generated (MWH)	<u>350296</u>	<u>2766987</u>	<u>16412575</u>
19. Unit Service Factor	<u>100.0</u>	<u>98.9</u>	<u>86.3</u>
20. Unit Availability Factor	<u>100.0</u>	<u>98.9</u>	<u>86.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.2</u>	<u>94.9</u>	<u>79.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>88.8</u>	<u>89.5</u>	<u>75.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.4</u>	<u>5.2</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: _____

961282

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1979

DOCKET NO. 50-306

UNIT NAME Prairie Island No. 2

DATE 790901

COMPLETED BY A. A. Hunstad

TELEPHONE 512-333-4767

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

POOR ORIGINAL

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)

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
(NUREG-0151)

5

Exhibit I - Data Source