

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282  
UNIT Prairie Island No.1  
DATE 800801  
COMPLETED BY A A Hunstad  
TELEPHONE 612-388-4767

MONTH JULY 1980

PINGP 353, Rev. 0

On June 29th a small primary-to-secondary leak was indicated by trace readings of xenon gas in the air ejector discharge and by tritium and other radioisotopes in secondary side water samples in No. 12 Steam Generator. The leakage was determined to be about 0.004 gpm. Leakage increased steadily until on July 1st it was calculated to be 0.3 gpm and the unit was then shut down at 1530. The leaking tube was identified and plugged. The defect was in the tube sheet area. Routine eddy current examination of both steam generators was done; no other defects were seen.

The unit was returned to service at 0436 on 7-21 and is in coastdown operation now. Refueling is scheduled for September 2nd.

8008140308

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282  
UNIT Prairie Island No. 1  
DATE 800801  
COMPLETED BY A A Hunstad  
TELEPHONE 612-388-4767

MONTH JULY 1980

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>246</u>	17	<u>-3</u>
2	<u>-14</u>	18	<u>-4</u>
3	<u>-4</u>	19	<u>-9</u>
4	<u>-4</u>	20	<u>-17</u>
5	<u>-4</u>	21	<u>105</u>
6	<u>-4</u>	22	<u>360</u>
7	<u>-4</u>	23	<u>444</u>
8	<u>-4</u>	24	<u>435</u>
9	<u>-4</u>	25	<u>453</u>
10	<u>-4</u>	26	<u>449</u>
11	<u>-4</u>	27	<u>444</u>
12	<u>-4</u>	28	<u>432</u>
13	<u>-4</u>	29	<u>428</u>
14	<u>-4</u>	30	<u>422</u>
15	<u>-5</u>	31	<u>412</u>
16	<u>-10</u>		

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

OPERATING DATA REPORT

DOCKET NO 50- 282  
 DATE 800801  
 COMPLETED BY A A Hunstad  
 TELEPHONE 612-388-4767

OPERATING STATUS

Notes
-------

GP 119, Rev. 11

1. Unit Name: Prairie Island No. 1
2. Reporting Period: JULY 1980
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: \_\_\_\_\_

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5111</u>	<u>58079</u>
12. Number Of Hours Reactor Was Critical	<u>279.6</u>	<u>4515.5</u>	<u>45723.9</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5531.9</u>
14. Hours Generator On Line	<u>274.9</u>	<u>4505.7</u>	<u>44629.2</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>401787</u>	<u>7236729</u>	<u>69315723</u>
17. Gross Electrical Energy Generated (MWH)	<u>119800</u>	<u>2234180</u>	<u>22387850</u>
18. Net Electrical Energy Generated (MWH)	<u>108398</u>	<u>2090265</u>	<u>20929517</u>
19. Unit Service Factor	<u>36.9</u>	<u>88.2</u>	<u>76.8</u>
20. Unit Availability Factor	<u>36.9</u>	<u>88.2</u>	<u>76.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>29.0</u>	<u>81.3</u>	<u>71.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>27.5</u>	<u>77.2</u>	<u>68.0</u>
23. Unit Forced Outage Rate	<u>39.0</u>	<u>3.8</u>	<u>12.8</u>

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):  
Refueling, September 2, 1980, 8 weeks
25. If Shut Down at End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH       JULY 1980      

DOCKET NO.       50- 282      

UNIT NAME       Prairie Island No. 1      

DATE       800801      

COMPLETED BY       A A Hunstad      

TELEPHONE       612-388-4767      

PINGP 120, Rev. 4

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
800701	F	176.0	B	2	P-RO-80-18	CB	HTEXCH	Shutdown due to increasing primary-to-secondary leakage. One tube in No. 12 Steam Generator was plugged.
800708	S	293.1	B	2	N/A	N/A	N/A	Routine eddy current examination of steam generators was done.

<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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306  
UNIT Prairie Island No. 2  
DATE 800801  
COMPLETED BY A A Hunstad  
TELEPHONE 612-388-4767

MONTH JULY 1980

The unit was base loaded this month. On 7-15 a severe electrical storm caused operation of several breakers in the substation, one of which separated the main generator from the grid. The unit tripped at 2030 and was returned to service at 0753 the next day.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306  
UNIT Prairie Island No. 2  
DATE 800801  
COMPLETED BY A A Hunstad  
TELEPHONE 612-388-4767

MONTH JULY 1980

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>497</u>	17	<u>499</u>
2	<u>510</u>	18	<u>502</u>
3	<u>510</u>	19	<u>503</u>
4	<u>489</u>	20	<u>498</u>
5	<u>496</u>	21	<u>497</u>
6	<u>495</u>	22	<u>495</u>
7	<u>495</u>	23	<u>492</u>
8	<u>500</u>	24	<u>491</u>
9	<u>502</u>	25	<u>494</u>
10	<u>496</u>	26	<u>493</u>
11	<u>481</u>	27	<u>492</u>
12	<u>499</u>	28	<u>491</u>
13	<u>470</u>	29	<u>494</u>
14	<u>497</u>	30	<u>493</u>
15	<u>424</u>	31	<u>492</u>
16	<u>291</u>		

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

SECRET NO 30-306

DATE 800801

COMPLETED BY A A Hunstad

TELEPHONE 612 388-4767

OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: July 1980
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	<u>744</u>	<u>5111</u>	<u>49197</u>
12. Number Of Hours Reactor Was Critical	<u>737.5</u>	<u>3802.3</u>	<u>42931.1</u>
13. Reactor Reserve Shutdown Hours	<u>6.5</u>	<u>89.4</u>	<u>1495.4</u>
14. Hours Generator On Line	<u>732.6</u>	<u>3730.5</u>	<u>42131.5</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>1196818</u>	<u>5878750</u>	<u>65551253</u>
17. Gross Electrical Energy Generated (MWH)	<u>385670</u>	<u>1893930</u>	<u>20948060</u>
18. Net Electrical Energy Generated (MWH)	<u>361823</u>	<u>1768568</u>	<u>19607200</u>
19. Unit Service Factor	<u>98.5</u>	<u>73.0</u>	<u>85.6</u>
20. Unit Availability Factor	<u>98.5</u>	<u>73.0</u>	<u>85.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.3</u>	<u>69.2</u>	<u>79.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.8</u>	<u>65.3</u>	<u>75.2</u>
23. Unit Forced Outage Rate	<u>1.5</u>	<u>0.6</u>	<u>4.5</u>
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, January 1981, 6 weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY 1980

DOCKET NO. 50-306  
 UNIT NAME Prairie Island No. 2  
 DATE 800801  
 COMPLETED BY A A Hunstad  
 TELEPHONE 612-388-4767

PINGP 120, Rev. 4

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
800715	F	11.4	H	3	P-R0-80-20	EA	ZZZZZZ	Severe electrical storm caused loss of two sources of offsite power and unit trip.

<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