

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

BOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 791201

COMPILED BY A. A. Hunstad

TELEPHONE 612-288-1161

MONTH NOVEMBER 1979

The unit tripped at 1347 on November 5th due to undervoltage on Bus 11 caused by a ground fault in No. 11 Feedwater Pump motor. The unit was returned to service at 0611 the following day and power was limited to about 65%. At 0942 on November 15th, a ground fault in No. 12 Feedwater Pump motor caused another trip. No. 11 Feedwater Pump motor was repaired and the unit restarted at 1714 on November 25th and limited to about 65% power. On November 30th, No. 12 Feedwater Pump was returned to service and the unit was escalating to full power.

7912180 628

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282
UNIT Prairie Island No. 1
DATE 791201
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH NOVEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>480</u>	17	<u>-3</u>
2	<u>486</u>	18	<u>-3</u>
3	<u>483</u>	19	<u>-3</u>
4	<u>492</u>	20	<u>-7</u>
5	<u>276</u>	21	<u>-9</u>
6	<u>182</u>	22	<u>-7</u>
7	<u>293</u>	23	<u>-8</u>
8	<u>297</u>	24	<u>-8</u>
9	<u>299</u>	25	<u>2</u>
10	<u>284</u>	26	<u>239</u>
11	<u>300</u>	27	<u>275</u>
12	<u>299</u>	28	<u>276</u>
13	<u>296</u>	29	<u>275</u>
14	<u>294</u>	30	<u>269</u>
15	<u>111</u>	31	<u>-</u>
16	<u>-8</u>		

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

OPERATING DATA REPORT

DOCKET NO 50-282
DATE 791201
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

OPERATING STATUS

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

Notes

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>8016</u>	<u>52224</u>
12. Number Of Hours Reactor Was Critical	<u>467.3</u>	<u>5775.3</u>	<u>40464.4</u>
13. Reactor Reserve Shutdown Hours	<u>252.7</u>	<u>1076.8</u>	<u>5531.9</u>
14. Hours Generator On Line	<u>456.1</u>	<u>5672.2</u>	<u>39389.4</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MMBtu)	<u>533052</u>	<u>8627295</u>	<u>60907877</u>
17. Gross Electrical Energy Generated (MMWh)	<u>162740</u>	<u>2753720</u>	<u>19784610</u>
18. Net Electrical Energy Generated (MMWh)	<u>147998</u>	<u>2564831</u>	<u>18493253</u>
19. Unit Service Factor	<u>63.3</u>	<u>70.8</u>	<u>75.4</u>
20. Unit Availability Factor	<u>63.3</u>	<u>70.8</u>	<u>75.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>40.9</u>	<u>63.6</u>	<u>70.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>38.8</u>	<u>60.4</u>	<u>66.8</u>
23. Unit Forced Outage Rate	<u>36.7</u>	<u>21.1</u>	<u>13.9</u>

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, Summer 1980, 5 Weeks
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER 1979

DOCKET NO. 50-282

UNIT NAME Pratt & Whitney No. 1

DATE 791201

COMPILED BY A. A. Hunstad

TELEPHONE 512-344-4117

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
791105	F	16.4	A	3	N/A	CH	MOTORX	Trip due to undervoltage on Bus 11 caused by ground fault on No. 11 Feedwater Pump motor.
791115	F	247.5	A	3	N/A	CH	MOTORX	Trip due to undervoltage on Bus 12 caused by ground fault on No. 12 Feedwater Pump motor.

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 (UREC-0151)

⁵ Exhibit I - 1000

PLNGP 120, Rev. 4

POOR ORIGINAL

NARRATIVE SUMMARY OF UNITS - EXPERIENCE

ROCKET NO. 50-306

UNIT Pacific Island No. 2

DATE 791201

COMPILED BY A. A. Hunstad

TELEPHONE 612-288-1767

MONTH NOVEMBER 1979

The unit tripped at 2333 on November 1st on high steam generator level when a feedwater regulating valve malfunctioned. The unit was returned to service at 0122 on November 3rd. Another trip occurred at 1044 on November 14th when a pressurizer level transmitter was valved out with another in trip. The unit was restarted at 1320 the same day but flux distribution problems caused power to be limited to 50% for a day. The unit is base loaded at 100%.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 791201

COMPIETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH NOVEMBER 1979

<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>	<u>DAY</u>	<u>AVERAGE LOAD MWe-Net</u>
1	<u>495</u>	17	<u>523</u>
2	<u>421</u>	18	<u>522</u>
3	<u>401</u>	19	<u>528</u>
4	<u>517</u>	20	<u>522</u>
5	<u>521</u>	21	<u>514</u>
6	<u>524</u>	22	<u>520</u>
7	<u>523</u>	23	<u>519</u>
8	<u>523</u>	24	<u>521</u>
9	<u>525</u>	25	<u>518</u>
10	<u>525</u>	26	<u>518</u>
11	<u>527</u>	27	<u>520</u>
12	<u>524</u>	28	<u>518</u>
13	<u>526</u>	29	<u>520</u>
14	<u>315</u>	30	<u>519</u>
15	<u>223</u>	31	<u>-</u>
16	<u>477</u>		

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

OPERATING DATA REPORT

POOR ORIGINAL

DOCKET NO 50-306

DATE 791201

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

OPERATING STATUS

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

YGP 119, Rev. 11

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	720	8016	43342
12. Number Of Hours Reactor Was Critical	699.2	7941.4	38385.0
13. Reactor Reserve Shutdown Hours	20.8	27.3	1406.0
14. Hours Generator On Line	691.6	7921.4	37657.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MMBtu)	1096602	12423406	58442691
17. Gross Electrical Energy Generated (MMBtu)	367390	4085210	18672950
18. Net Electrical Energy Generated (MMBtu)	345703	3835162	17480750
19. Unit Service Factor	96.1	98.8	86.9
20. Unit Availability Factor	96.1	98.8	86.9
21. Unit Capacity Factor (Using MDC Net)	96.0	95.7	80.7
22. Unit Capacity Factor (Using DER Net)	90.6	90.3	76.1
23. Unit Forced Outage Rate	3.9	0.6	5.0
24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling, January 1980, 5 Weeks</u>			
25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____			

UNIT SHUTDOWNS AND POWER REQUIREMENTS

REPORT MONTH NOVEMBER 1979

DOCKET NO. 50-306

UNIT FILE 2-11111-1 Serial No. 2

DATE 791201

COMPLETED BY A. A. Lunstad

FORM NO. 100-11111-1

Date	Type ¹	Duration (hours)	Reason ²	Method of Shutdown ³	Shutdown Report ³	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
791101	F	25.8	A	3	N/A	CH	VA VEX	Trip due to steam generator high level caused by malfunction of its feedwater regulating valve.
791114	F	2.6	G	3	N/A	IA	INSTRU	Trip due to personnel error in valving out a pressurizer level transmitter.

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-Misinformation
G-Operator 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 (UREC-0111)

⁵ Exhibit I - 1

PNCP 120, Rev. 4

POOR ORIGINAL