NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282
UNIT Prairie Island No. 1
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

MONTH December 1978

The unit was removed from service at 0348 on 12-9 to replace the detector for NIS Channel N42 and to add oil to the reactor coolant pump motors. The reactor remained at hot standby (critical) during the work but tripped on the restart. The unit was returned to service at 1423 the same day.

SPENT FUEL STORAGE UPDATE

Fuel assemblies in each core - No change
Fuel assemblies in the spent fuel storage pool - 240
Licensed spent fuel storage pool capacity - No change
Date of last refueling that can be discharged with present capacity - No change

7901110082

# DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 282
UNIT Prairie Island No. 1
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH December 1978

PINGP 118, Rev. 5

| DAY | AVERAGE LOAD MWe-Net | DAY | AVERAGE LOAD MWe-Net |
|---|---|---|---|
| 1 | 517 | 17 | 518 |
| 2 | 515 | 18 | 518 |
| 3 | 518 | 19 | 515 |
| 4 | 516 | 20 | 517 |
| 5 | 517 | 21 | 514 |
| 6 | 517 | 22 | 514 |
| 7 | 516 | 23 | 516 |
| 8 | 517 | 24 | 517 |
| 9 | 201 | 25 | 517 |
| 10 | 502 | 26 | 515 |
| 11 | 513 | 27 | 517 |
| 12 | 516 | 28 | 514 |
| 13 | 517 | 29 | 516 |
| 14 | 516 | 30 | 515 |
| 15 | 515 | 31 | 517 |
| 16 | 516 | | |

Average loads above 507 MWe-Net are due to cooler condenser circulating water.

# OPERATING DATA REPORT

DOCKET NO 50- 282
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

## OPERATING STATUS

1. Unit Name: Prairie Island No. 1
2. Reporting Period: December 1978
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): 538
7. Maximum Dependable Capacity (Net MWe). 507
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

PINGP 119, Rev. 9

| | | This Month | Yr-To-Date | Cumulative |
|---|---|---|---|---|
| 11. | Hours In Reporting Period | 744 | 8760 | 44208 |
| 12. | Number Of Hours Reactor Was Critical | 742.5 | 8104.3 | 34689.1 |
| 13. | Reactor Reserve Shutdown Hours | 0.0 | 103.0 | 4455.1 |
| 14. | Hours Generator On Line | 733.4 | 8014.7 | 33717.2* |
| 15. | Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. | Gross Thermal Energy Generated (MWH) | 1198352 | 12446517 | 52280582 |
| 17. | Gross Electrical Energy Generated (MWH) | 399410 | 4063370 | 17030890 |
| 18. | Net Electrical Energy Generated (MWH) | 376029 | 3810718 | 15928432 |
| 19. | Unit Service Factor | 98.6 | 91.5 | 76.3 |
| 20. | Unit Availability Factor | 98.6 | 91.5 | 76.3 |
| 21. | Unit Capacity Factor (Using MDC Net) | 99.7 | 85.8 | 71.1 |
| 22. | Unit Capacity Factor (Using DER Net) | 95.4 | 82.1 | 68.0 |
| 23. | Unit Forced Outage Rate | 0.0 | 1.6 | 12.5 |

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):
Refueling, Fall 1979, 5 weeks

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

* includes small correction for previous errors

PINGP 120, Rev. 4

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50- 282
UNIT NAME Prairie Island No. 1
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

REPORT MONTH December 1978

| 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 |
|---|---|---|---|---|---|---|---|---|
| 781209 | S | 10.6 | B | 3 | N/A | IA | Instru | Unit taken off line for replacement of NIS Channel N42 detector and addition of oil to reactor coolant pump motors. |

[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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 306
UNIT Prairie Island No. 2
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-1121

MONTH December 1978

The Cycle 3-4 refueling was ended at 0942 on 12-16, an outage of 19 days, 10 hours. An MSIV test button was inadvertently operated at 0220 on 12-17, causing an MSIV closure and turbine trip/reactor trip. The unit was returned to service at 1013 the same day.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306
UNIT Prairie Island No. 2
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

MONTH December 1978

| DAY | AVERAGE LOAD MWe-Net | DAY | AVERAGE LOAD MWe-Net |
|---|---|---|---|
| 1 | -2 | 17 | 96 |
| 2 | -2 | 18 | 319 |
| 3 | -2 | 19 | 428 |
| 4 | -2 | 20 | 507 |
| 5 | -2 | 21 | 518 |
| 6 | -2 | 22 | 517 |
| 7 | -2 | 23 | 520 |
| 8 | -2 | 24 | 521 |
| 9 | -2 | 25 | 522 |
| 10 | -2 | 26 | 487 |
| 11 | -2 | 27 | 522 |
| 12 | -3 | 28 | 518 |
| 13 | -8 | 29 | 521 |
| 14 | -13 | 30 | 519 |
| 15 | -17 | 31 | 524 |
| 16 | 61 | | |

Average loads above 507 MWe-Net are due to cooler condenser circulating water.

PINGP 118, Rev. 5

# OPERATING DATA REPORT

DOCKET NO 50- 306
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

## OPERATING STATUS

1. Unit Name: Prairie Island No. 2
2. Reporting Period: December 1978
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): 538
7. Maximum Dependable Capacity (Net MWe). 507
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 | 35326 |
| 12. | Number Of Hours Reactor Was Critical | 398.2 | 8181.4 | 30443.6 |
| 13. | Reactor Reserve Shutdown Hours | 0.0 | 8.2 | 1378.7 |
| 14. | Hours Generator On Line | 366.4 | 8128.8 | 29735.6 |
| 15. | Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. | Gross Thermal Energy Generated (MWH) | 546549 | 12820171 | 46019285 |
| 17. | Gross Electrical Energy Generated (MWH) | 182000 | 4180680 | 14587740 |
| 18. | Net Electrical Energy Generated (MWH) | 168835 | 3924435 | 13645588 |
| 19. | Unit Service Factor | 49.2 | 92.8 | 84.2 |
| 20. | Unit Availability Factor | 49.2 | 92.8 | 84.2 |
| 21. | Unit Capacity Factor (Using MDC Net) | 44.8 | 88.4 | 76.2 |
| 22. | Unit Capacity Factor (Using DER Net) | 42.8 | 84.5 | 72.9 |
| 23. | Unit Forced Outage Rate | 2.1 | 0.4 | 6.0 |

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): Refueling, Spring 1979, 5 weeks
25. If Shut Down at End Of Report Period, Estimated Date of Startup:

PINGP 119, Rev. 9

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50- 306
UNIT NAME Prairie Island No. 2
DATE 790102
COMPLETED BY A. A. Hunstad
TELEPHONE 612-388-4767

REPORT MONTH December 1978

| 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 |
|---|---|---|---|---|---|---|---|---|
| 781126 | S | 369.7 | C | 2 | N/A | N/A | N/A | Refueling |
| 781217 | F | 7.9 | G | 3 | N/A | HB | Instru | Trip when one MSIV closed due to inadvertent actuation of its test switch |

PINGP 120, Rev. 4

[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