

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50- 282

UNIT Prairie Island No. 1

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH June 1979

The unit is in Load Follow operation this month. An outage was taken at 2034 on June 8th to correct problems with the turbo-generator hydrogen seal oil system; a cooldown was done so that examination of feedwater nozzles could be done. No crack indications were seen. The unit was returned to service at 0400 on June 12th.

7907180 516

347 261

R

2150P 353 1270

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH June 1979

| <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> |
|------------|-----------------------------|------------|-----------------------------|
| 1          | <u>502</u>                  | 17         | <u>321</u>                  |
| 2          | <u>504</u>                  | 18         | <u>480</u>                  |
| 3          | <u>503</u>                  | 19         | <u>438</u>                  |
| 4          | <u>504</u>                  | 20         | <u>501</u>                  |
| 5          | <u>503</u>                  | 21         | <u>437</u>                  |
| 6          | <u>504</u>                  | 22         | <u>499</u>                  |
| 7          | <u>502</u>                  | 23         | <u>498</u>                  |
| 8          | <u>425</u>                  | 24         | <u>496</u>                  |
| 9          | <u>-17</u>                  | 25         | <u>497</u>                  |
| 10         | <u>-18</u>                  | 26         | <u>498</u>                  |
| 11         | <u>-20</u>                  | 27         | <u>503</u>                  |
| 12         | <u>190</u>                  | 28         | <u>493</u>                  |
| 13         | <u>462</u>                  | 29         | <u>498</u>                  |
| 14         | <u>498</u>                  | 30         | <u>498</u>                  |
| 15         | <u>501</u>                  | 31         | <u>-----</u>                |
| 16         | <u>493</u>                  |            |                             |

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

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-282  
 DATE 790702  
 COMPLETED BY A. A. Hunstad  
 TELEPHONE 612-388-4767

1. Unit Name: Prairie Island No. 1
2. Reporting Period: June 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: \_\_\_\_\_
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  | 720        | 4343       | 48551      |
| 12. Number Of Hours Reactor Was Critical   | 643.7      | 3567.4     | 38256.5    |
| 13. Reactor Reserve Shutdown Hours   | 76.3       | 104.5      | 4559.6     |
| 14. Hours Generator On Line  | 640.6      | 3511.1     | 37228.3    |
| 15. Unit Reserve Shutdown Hours  | 0.0        | 0.0        | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)   | 1014740    | 5431254    | 57711846   |
| 17. Gross Electrical Energy Generated (MWH)  | 326060     | 1783490    | 18814380   |
| 18. Net Electrical Energy Generated (MWH)  | 304478     | 1670166    | 17598598   |
| 19. Unit Service Factor  | 89.0       | 80.8       | 76.7       |
| 20. Unit Availability Factor   | 89.0       | 80.8       | 76.7       |
| 21. Unit Capacity Factor (Using MDC Net)   | 84.1       | 76.5       | 72.1       |
| 22. Unit Capacity Factor (Using DER Net)   | 79.8       | 72.6       | 68.4       |
| 23. Unit Forced Outage Rate  | 0.0        | 0.8        | 11.6       |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):<br><u>Refueling, Spring 80, 5 weeks</u> |            |            |            |
| 25. If Shut Down at End Of Report Period, Estimated Date of Startup: _____   |            |            |            |

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979

DOCKET NO. 50-282

UNIT NAME Prairie Island No. 1

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 512-383-4767

| Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting <sup>3</sup><br>Down Reactor | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence  |
|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 790608 | S                 | 79.4                | B                   | 2  | N/A                           | HA                          | GENERA                         | Shutdown and cooldown to inspect feedwater nozzles and make repairs to turbo-generator hydrogen seal oil system. |

<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-0151)

<sup>5</sup> Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 612-308-4767

MONTH June 1979

The unit is in Load Follow operation this month. A trip occurred at 0455 on June 3rd due to undervoltage on 4KV Bus 22 when No. 22 feedwater pump motor failed. The unit was returned to service at 1000 the same day but was limited to about 60% power (with only one feedwater pump) until June 19th when the repaired motor was returned to service.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

MONTH June 1979

| <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> |
|------------|-----------------------------|------------|-----------------------------|
| 1          | <u>424</u>                  | 17         | <u>177</u>                  |
| 2          | <u>422</u>                  | 18         | <u>262</u>                  |
| 3          | <u>146</u>                  | 19         | <u>431</u>                  |
| 4          | <u>257</u>                  | 20         | <u>495</u>                  |
| 5          | <u>265</u>                  | 21         | <u>461</u>                  |
| 6          | <u>277</u>                  | 22         | <u>496</u>                  |
| 7          | <u>280</u>                  | 23         | <u>496</u>                  |
| 8          | <u>256</u>                  | 24         | <u>403</u>                  |
| 9          | <u>285</u>                  | 25         | <u>486</u>                  |
| 10         | <u>287</u>                  | 26         | <u>405</u>                  |
| 11         | <u>258</u>                  | 27         | <u>438</u>                  |
| 12         | <u>278</u>                  | 28         | <u>409</u>                  |
| 13         | <u>324</u>                  | 29         | <u>430</u>                  |
| 14         | <u>306</u>                  | 30         | <u>403</u>                  |
| 15         | <u>309</u>                  | 31         | <u>-----</u>                |
| 16         | <u>305</u>                  |            |                             |

Average loads above 300 MWe-Net are due to cooler condenser circulating water.

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-306

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 612-388-4767

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: June 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               | 720        | 4343       | 38569      |
| 12. Number Of Hours Reactor Was Critical    | 716.8      | 4293.3     | 34736.9    |
| 13. Reactor Reserve Shutdown Hours          | 3.2        | 6.5        | 1385.2     |
| 14. Hours Generator On Line                 | 714.9      | 4283.0     | 34018.6    |
| 15. Unit Reserve Shutdown Hrs               | 0.0        | 0.0        | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)    | 870041     | 6702234    | 52721519   |
| 17. Gross Electrical Energy Generated (MWH) | 270820     | 2190640    | 16784380   |
| 18. Net Electrical Energy Generated (MWH)   | 250153     | 2063649    | 15709237   |
| 19. Unit Service Factor                     | 99.3       | 98.6       | 85.8       |
| 20. Unit Availability Factor                | 99.3       | 98.6       | 85.8       |
| 21. Unit Capacity Factor (Using MDC Net)    | 69.5       | 95.0       | 79.2       |
| 22. Unit Capacity Factor (Using DER Net)    | 65.6       | 89.7       | 74.7       |
| 23. Unit Forced Outage Rate                 | 0.7        | 0.4        | 5.4        |

24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each):

Refueling, December 79, 5 weeks

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

341 261

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979

DOCKET NO. 50-306

UNIT NAME Prairie Island No. 2

DATE 790702

COMPLETED BY A. A. Hunstad

TELEPHONE 312-333-4767

| Date   | <sup>1</sup><br>Type | Duration<br>(Hours) | <sup>2</sup><br>Reason | <sup>3</sup><br>Method of<br>Shutting<br>Down Reactor | Licensee<br>Event<br>Report # | <sup>4</sup><br>System<br>Code | <sup>5</sup><br>Component<br>Code | Cause & Corrective<br>Action to<br>Prevent Recurrence                       |
|--------|----------------------|---------------------|------------------------|---|-------------------------------|--------------------------------|-----------------------------------|---|
| 790603 | F                    | 5.1                 | A                      | 3   | N/A                           | CH                             | MOTORX                            | Trip due to bus undervoltage due to failure of No. 22 feedwater pump motor. |

<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