

Internal Correspondence

NSP

Date 3-7-83

From E. L. Watzl, Plant Manager

Location Prairie Island

To D. M. Musolf, Manager-Nuclear Support Services

Location General Office - 8

Subject NRC MONTHLY OPERATING REPORTS

Dear Mr. Musolf:

Attached are the originals of the Unit 1 and Unit 2 NRC Monthly
Operating Reports for February 1983

Sincerely,

E. L. Watzl
Plant Manager
Prairie Island Nuclear Plant

By Dale J. Dugstad
Dale J. Dugstad
Associate Engineer

ELW/DJD/kt

Attachments

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282
UNIT Prairie Island No.1
DATE 830303
COMPLETED BY Dale Dugstad
TELEPHONE 612-388- 1121

MONTH February 1983

On the 12th the Unit was returned to service after repair of the Safety Injection Suction line. It was base loaded.

DAILY UNIT POWER OUTPUT

DOCKET NO. 50-282

UNIT Prairie Island No. 1

DATE 830303

COMPLETED BY Dale Dugstad

TELEPHONE 612-388-1121

MONTH February 1983

PINGP 118, Rev. 7

| <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> |
|------------|-----------------------------|------------|-----------------------------|
| 1 | <u>-3</u> | 17 | <u>527</u> |
| 2 | <u>-3</u> | 18 | <u>532</u> |
| 3 | <u>-3</u> | 19 | <u>531</u> |
| 4 | <u>-3</u> | 20 | <u>532</u> |
| 5 | <u>-3</u> | 21 | <u>531</u> |
| 6 | <u>-3</u> | 22 | <u>529</u> |
| 7 | <u>-3</u> | 23 | <u>527</u> |
| 8 | <u>-2</u> | 24 | <u>526</u> |
| 9 | <u>-3</u> | 25 | <u>526</u> |
| 10 | <u>-4</u> | 26 | <u>526</u> |
| 11 | <u>-8</u> | 27 | <u>523</u> |
| 12 | <u>75</u> | 28 | <u>533</u> |
| 13 | <u>507</u> | 29 | <u>---</u> |
| 14 | <u>517</u> | 30 | <u>---</u> |
| 15 | <u>520</u> | 31 | <u>---</u> |
| 16 | <u>522</u> | | |

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

OPERATING DATA REPORT

DOCKET NO 50- 282
DATE 830303
COMPLETED BY Dale Dugstad
TELEPHONE 612-388-1121

OPERATING STATUS

Notes

1. Unit Name: Prairie Island No. 1
2. Reporting Period: February
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: N/A
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons for Restrictions, If Any: N/A

| | This Month | Yr-To-Date | Cumulative |
|---|---------------|----------------|-----------------|
| 11. Hours In Reporting Period | <u>672</u> | <u>1416</u> | <u>80688</u> |
| 12. Number Of Hours Reactor Was Critical | <u>392.3</u> | <u>1055.0</u> | <u>65070.6</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>5571.1</u> |
| 14. Hours Generator On Line | <u>390.2</u> | <u>1050.8</u> | <u>63807.6</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>629364</u> | <u>1709808</u> | <u>99652786</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>214920</u> | <u>580060</u> | <u>32331480</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>202752</u> | <u>548533</u> | <u>30251109</u> |
| 19. Unit Service Factor | <u>58.1</u> | <u>74.2</u> | <u>79.1</u> |
| 20. Unit Availability Factor | <u>58.1</u> | <u>74.2</u> | <u>79.1</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>60.0</u> | <u>77.0</u> | <u>74.5</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>56.9</u> | <u>73.1</u> | <u>70.7</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>0.8</u> | <u>9.4</u> |

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

Refueling Fall of 1983, 5 weeks

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

UNIT SHUTDOWNS AND LER REDUCTIONS

REPORT MONTH February 1983DOCKET NO. 50-282UNIT NAME Prairie Island No.1DATE 830303COMPLETED BY Dale DugstadTELEPHONE 612-388-1121

| 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 |
|---------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 1-28-83 | S | 281.8 | B | 1 | RO 82-29 | SE | PIPEXX | Repair work on safety injection suction line |

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-0161)

⁵ Exhibit 1 - Same Source

CORRECTED
OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-282
DATE 830303
COMPLETED BY Dale Dugstad
TELEPHONE 612-388-1121

Notes

Corrected the Unit Forced
Outage Rate Figures

1. Unit Name: Prairie Island No. 1
2. Reporting Period: January 1983
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): _____
7. Maximum Dependable Capacity (Net MWe): _____
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 | _____ | _____ | _____ |
| 12. Number Of Hours Reactor Was Critical | _____ | _____ | _____ |
| 13. Reactor Reserve Shutdown Hours | _____ | _____ | _____ |
| 14. Hours Generator On Line | _____ | _____ | _____ |
| 15. Unit Reserve Shutdown Hours | _____ | _____ | _____ |
| 16. Gross Thermal Energy Generated (MWH) | _____ | _____ | _____ |
| 17. Gross Electrical Energy Generated (MWH) | _____ | _____ | _____ |
| 18. Net Electrical Energy Generated (MWH) | _____ | _____ | _____ |
| 19. Unit Service Factor | _____ | _____ | _____ |
| 20. Unit Availability Factor | _____ | _____ | _____ |
| 21. Unit Capacity Factor (Using MDC Net) | _____ | _____ | _____ |
| 22. Unit Capacity Factor (Using DER Net) | _____ | _____ | _____ |
| 23. Unit Forced Outage Rate | <u>1.3</u> | <u>1.3</u> | <u>9.4</u> |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): | _____ | | |
| 25. If Shut Down at End Of Report Period, Estimated Date of Startup: | _____ | | |

UNIT SHUTDOWNS AND LER REDUCTIONS

REPORT MONTH January 1983DOCKET NO. 50-282UNIT NAME Prairie Island No. 1DATE 830303COMPLETED BY Dale DugstadTELEPHONE 612-388-1121*Corrected*

| Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting ³ Down Reactor | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|---------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 1-28-83 | S | 74.5 | B | 1 | RO 82-29 | SF | PIPEXX | |

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-0161)

⁵ Exhibit 1 - Same Source

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306

UNIT Prairie Island No. 2

DATE 830303

COMPLETED BY Dale Dugstad

TELEPHONE 612-388-1121

MONTH February 1983

The unit was base loaded this month. On the 25th it was brought to cold shutdown to allow repair to Reactor Coolant Pump Seals.

PINGP 353, Rev. 1

DAILY UNIT POWER OUTPUT

DOCKET NO. 50- 306

UNIT Prairie Island No. 2

DATE 830303

COMPLETED BY Dale Dugstad

TELEPHONE 612-388- 1121

MONTH February 1983

PINCP 118, Rev. 7

| <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> |
|------------|-----------------------------|------------|-----------------------------|
| 1 | <u>523</u> | 17 | <u>511</u> |
| 2 | <u>525</u> | 18 | <u>510</u> |
| 3 | <u>523</u> | 19 | <u>509</u> |
| 4 | <u>525</u> | 20 | <u>510</u> |
| 5 | <u>525</u> | 21 | <u>511</u> |
| 6 | <u>525</u> | 22 | <u>519</u> |
| 7 | <u>525</u> | 23 | <u>527</u> |
| 8 | <u>524</u> | 24 | <u>526</u> |
| 9 | <u>524</u> | 25 | <u>497</u> |
| 10 | <u>523</u> | 26 | <u>-8</u> |
| 11 | <u>521</u> | 27 | <u>-2</u> |
| 12 | <u>524</u> | 28 | <u>-2</u> |
| 13 | <u>476</u> | 29 | <u>---</u> |
| 14 | <u>506</u> | 30 | <u>---</u> |
| 15 | <u>506</u> | 31 | <u>---</u> |
| 16 | <u>513</u> | | |

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

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50- 306
DATE 830303
COMPLETED BY Dale Dugstad
TELEPHONE 612-388-1121

Notes

1. Unit Name: Prairie Island No. 2
2. Reporting Period: February 1983
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: N/A
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons for Restrictions, If Any: N/A

| | This Month | Yr-To-Date | Cumulative |
|---|---------------|----------------|-----------------|
| 11. Hours In Reporting Period | <u>672</u> | <u>1416</u> | <u>71806</u> |
| 12. Number Of Hours Reactor Was Critical | <u>599.6</u> | <u>1343.6</u> | <u>61950.7</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>1516.1</u> |
| 14. Hours Generator On Line | <u>599.5</u> | <u>1343.5</u> | <u>61058.6</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>969369</u> | <u>2189493</u> | <u>96007281</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>326650</u> | <u>735790</u> | <u>30902880</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>309500</u> | <u>697656</u> | <u>28956319</u> |
| 19. Unit Service Factor | <u>89.2</u> | <u>94.9</u> | <u>85.0</u> |
| 20. Unit Availability Factor | <u>89.2</u> | <u>94.9</u> | <u>85.0</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>92.1</u> | <u>98.5</u> | <u>80.7</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>86.9</u> | <u>93.0</u> | <u>76.1</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>0.0</u> | <u>5.0</u> |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date and Duration of Each): <u>Refueling July 1983 Five Weeks</u> | | | |
| 25. If Shut Down at End Of Report Period, Estimated Date of Startup: <u>3-5-83</u> | | | |

UNIT SHUTDOWNS AND LER REDUCTIONS

REPORT MONTH February 1983

DOCKET NO. 50- 306

UNIT NAME Prairie Island No. 2

DATE 830303

COMPLETED BY Dale Dugstad

TELEPHONE 612-388-1121

| Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting ³ Down Reactor | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|---------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 2-25-83 | S | 72.5 | B | 1 | N/A | N/A | N/A | Work on R.C.P. Seals |

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)

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structions for
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