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FILE: MONTHLY REPORT FILE

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| FROM: Northern States Power Co<br>Minneapolis, Minn 55401<br>G H Neills |                 |           | DATE OF DOC<br>1-9-75 | DATE REC'D<br>1-13-75 | LTR<br>XX            | TWX  | RPT | OTHER |
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DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Monthly Report for DECEMBER  
Plant & Component Operability & Availability  
This Report to be used in preparing Grey  
Book by Plans & Operations.

No. of Cys Rec'd 1

PLANT NAME: Monticello

FOR ACTION/INFORMATION 1-13-75 ehf

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|                                    |                                | G.T.                 |

# NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

January 9, 1975

Office of Plans & Schedules  
Directorate of Licensing  
U S Atomic Energy Commission  
Washington, DC 20545

Attention: Mr S Chapman

Gentlemen:

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Monthly Operating Data  
December 1974

Attached is the operating status information from the Monticello Nuclear Generating Plant for the month of December 1974 as requested in the February 19, 1974 letter from Mr L Manning Muntzing. Changes proposed in the September 12, 1974 letter from Mr D F Knuth have been incorporated into this report.

Very truly yours,

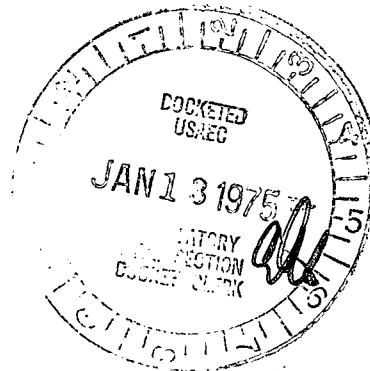
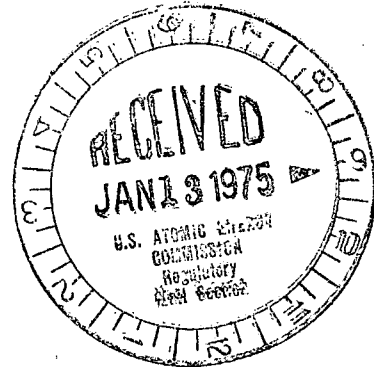


G H Neils  
General Superintendent of  
Nuclear Power Plant Operation

GHN/RLS/ts

cc: J G Keppler

Attachments



REGULATORY

RECEIVED

2025 .

UNIT Monticello Nuclear  
Generating Plant

DATE JANUARY 5, 1975

COMPLETED BY WA Sham CoDAILY UNIT POWER OUTPUTMONTH DECEMBER 1974

| <u>DAY</u> | <u>AVERAGE HOURLY MWe<sup>-net</sup></u> | <u>DAY</u> | <u>AVERAGE HOURLY MWe<sup>-net</sup></u> |
|------------|--|------------|--|
| 1          | <u>453</u>                               | 25         | <u>417</u>                               |
| 2          | <u>454</u>                               | 26         | <u>415</u>                               |
| 3          | <u>453</u>                               | 27         | <u>416</u>                               |
| 4          | <u>462</u>                               | 28         | <u>417</u>                               |
| 5          | <u>468</u>                               | 29         | <u>412</u>                               |
| 6          | <u>469</u>                               | 30         | <u>417</u>                               |
| 7          | <u>473</u>                               | 31         | <u>413</u>                               |
| 8          | <u>397</u>                               |            |  |
| 9          | <u>359</u>                               |            |  |
| 10         | <u>373</u>                               |            |  |
| 11         | <u>403</u>                               |            |  |
| 12         | <u>410</u>                               |            |  |
| 13         | <u>407</u>                               |            |  |
| 14         | <u>410</u>                               |            |  |
| 15         | <u>405</u>                               |            |  |
| 16         | <u>417</u>                               |            |  |
| 17         | <u>420</u>                               |            |  |
| 18         | <u>418</u>                               |            |  |
| 19         | <u>420</u>                               |            |  |
| 20         | <u>420</u>                               |            |  |
| 21         | <u>420</u>                               |            |  |
| 22         | <u>418</u>                               |            |  |
| 23         | <u>418</u>                               |            |  |
| 24         | <u>417</u>                               |            |  |

Rev. 1

UNIT NAME MONTICELLO NUCLEAR GENERATING PLANTDATE JANUARY 5, 1975COMPLETED BY WAYNE A. SHAMLA  
(612) 295-5151 Ext. 111

## OPERATING STATUS

1. REPORTING PERIOD: 000741201 TO 2400741231  
GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWt 1670 MWe-NET 538
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None
4. REASONS FOR RESTRICTIONS (IF ANY):

|   | THIS<br>MONTH    | YR-TO-DATE         | CUMULATIVE<br>TO DATE |
|---|------------------|--------------------|-----------------------|
| 5. HOURS REACTOR WAS CRITICAL   | <u>744.0</u>     | <u>6,969.6</u>     | <u>23,406.6</u>       |
| 6. REACTOR RESERVE SHUTDOWN HOURS   | <u>0</u>         | <u>25.0</u>        | <u>937.0</u>          |
| 7. HOURS GENERATOR ON-LINE  | <u>744.0</u>     | <u>6,565.1</u>     | <u>22,412.1</u>       |
| 8. UNIT RESERVE SHUTDOWN HOURS  | <u>0</u>         | <u>0</u>           | <u>0</u>              |
| 9. GROSS THERMAL POWER GENERATED (MWH)  | <u>953,229.6</u> | <u>8,938,483.2</u> | <u>41,434,977.8</u>   |
| 10. GROSS ELECTRICAL POWER GENERATED (MWH)  | <u>327,190</u>   | <u>3,060,530</u>   | <u>11,450,760</u>     |
| 11. NET ELECTRICAL POWER GENERATED (MWH)  | <u>313,750</u>   | <u>2,923,836</u>   | <u>10,941,634</u>     |
| 12. REACTOR AVAILABILITY FACTOR (1)   | <u>100.0%</u>    | <u>79.6%</u>       | <u>76.2%</u>          |
| 13. UNIT AVAILABILITY FACTOR (2)  | <u>100.0%</u>    | <u>74.9%</u>       | <u>73.0%</u>          |
| 14. UNIT CAPACITY FACTOR (3)  | <u>78.4%</u>     | <u>62.0%</u>       | <u>66.2%</u>          |
| 15. FORCED OUTAGE RATE (4)  | <u>0.0%</u>      | <u>4.08%</u>       | <u>14.00%</u>         |
| 16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): (1) Refueling Outage 1/10/75, Six weeks duration. |                  |                    |                       |

17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}}$  \*100
- (2) UNIT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}}$  \*100
- (3) UNIT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{NET DEMONSTRATED*GROSS HOURS IN REPORTING PERIOD}}$  \*100
- (4) FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}}$  \*100

## UNIT SHUTDOWNS

|     |  |     |           |
|-----|--|-----|-----------|
| (1) | REASON:                                      | (2) | METHOD:   |
|     | A-EQUIPMENT FAILURE (EXPLAIN)                |     | A-MANUAL  |
|     | B-MAIN. OR TEST                              |     | B-MANUAL  |
|     | C-REFUELING                                  |     | SCRAM     |
|     | D-REGULATORY RESTRICTION                     |     | C-AUTOMAT |
|     | E-OPERATOR TRAINING &<br>LICENSE EXAMINATION |     | SCRAM     |
|     | F-ADMINISTRATIVE                             |     |           |
|     | G-OPERATIONAL ERROR                          |     |           |
|     | (Explain)                                    |     |           |
|     | H-Other                                      |     |           |
|     | (Explain)                                    |     |           |



**N O R T H E R N   S T A T E S   P O W E R   C O M P A N Y**

**MINNEAPOLIS, MINNESOTA 55401**

January 9, 1975

Office of Plans & Schedules  
Directorate of Licensing  
U S Atomic Energy Commission  
Washington, DC 20545

Attention: Mr S Chapman

Gentlemen:

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket No. 50-282 License No. DPR-42

Monthly Operating Data  
December 1974

Attached is the operating status information from the Prairie Island Nuclear Generating Plant for the month of December 1974 as requested in the February 19, 1974 letter from Mr L Manning Muntzing. Changes proposed in the September 12, 1974 letter from Mr D F Knuth have been incorporated into this report.

Please note that Unit 2 was delayed commercial at 0141 hours on December 21, 1974. Operating information from that time through the end of the month is provided.

Very truly yours,

A handwritten signature in cursive script, appearing to read "G H Neils".

G H Neils  
General Superintendent of  
Nuclear Power Plant Operation

GHN/RLS/ts

cc: J G Keppler

Attachments

UNIT Prairie Island No. 1 PINGP-1  
Rev. 2

DATE 750102

COMPLETED BY A. A. Hunstad  
612-388-4767

DAILY UNIT POWER OUTPUT

MONTH DECEMBER 1974

| <u>DAY</u> | <u>AVERAGE LOAD</u> <u>MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD</u> <u>MWe-Net</u> |
|------------|------------------------------------|------------|------------------------------------|
| 1          | <u>516</u>                         | 17         | <u>513</u>                         |
| 2          | <u>518</u>                         | 18         | <u>515</u>                         |
| 3          | <u>506</u>                         | 19         | <u>513</u>                         |
| 4          | <u>508</u>                         | 20         | <u>515</u>                         |
| 5          | <u>510</u>                         | 21         | <u>515</u>                         |
| 6          | <u>509</u>                         | 22         | <u>514</u>                         |
| 7          | <u>508</u>                         | 23         | <u>517</u>                         |
| 8          | <u>510</u>                         | 24         | <u>516</u>                         |
| 9          | <u>450</u>                         | 25         | <u>514</u>                         |
| 10         | <u>483</u>                         | 26         | <u>194</u>                         |
| 11         | <u>506</u>                         | 27         | <u>491</u>                         |
| 12         | <u>513</u>                         | 28         | <u>511</u>                         |
| 13         | <u>509</u>                         | 29         | <u>511</u>                         |
| 14         | <u>517</u>                         | 30         | <u>508</u>                         |
| 15         | <u>517</u>                         | 31         | <u>512</u>                         |
| 16         | <u>519</u>                         |            |                                    |

UNIT NAME Prairie Island No. 1  
DATE 750102  
COMPLETED BY A. A. Hunstad  
612-388-4767

O P E R A T I N G S T A T U S

1. REPORTING PERIOD: 0001, 741201 TO 2400, 741231

GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL MWt 1650

MAXIMUM DEPENDABLE CAPACITY - MWE Net 520

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): \_\_\_\_\_

4. REASONS FOR RESTRICTIONS (IF ANY):

|   | THIS<br>MONTH  | YR-TO-DATE     | CUMULATIVE<br>TO DATE |
|---|----------------|----------------|-----------------------|
| 5. HOURS REACTOR WAS CRITICAL . . . . .   | <u>736</u>     | <u>4279</u>    | <u>4309</u>           |
| 6. REACTOR RESERVE SHUTDOWN HOURS . . . . .   | <u>8</u>       | <u>3773</u>    | <u>4127</u>           |
| 7. HOURS GENERATOR ON-LINE . . . . .  | <u>733</u>     | <u>3848</u>    | <u>3878</u>           |
| 8. UNIT RESERVE SHUTDOWN HOURS . . . . .  | <u>0</u>       | <u>15</u>      | <u>15</u>             |
| 9. GROSS THERMAL POWER GENERATED (MWH) . . .  | <u>1184901</u> | <u>5220029</u> | <u>5258861</u>        |
| 10. GROSS ELECTRICAL POWER GENERATED (MWH) .  | <u>395490</u>  | <u>1596770</u> | <u>1604210</u>        |
| 11. NET ELECTRICAL POWER GENERATED (MWH) . .  | <u>370908</u>  | <u>1432750</u> | <u>1440150</u>        |
| 12. REACTOR AVAILABILITY FACTOR . . . . .   | <u>98.9</u>    | <u>48.9</u>    | <u>47.1</u>           |
| 13. UNIT AVAILABILITY FACTOR. . . . .   | <u>98.5</u>    | <u>43.9</u>    | <u>42.4</u>           |
| 14. UNIT CAPACITY FACTOR. . . . .   | <u>95.9</u>    | <u>31.5</u>    | <u>30.3</u>           |
| 15. FORCED OUTAGE RATE . . . . .  | <u>1.5</u>     | <u>46.8</u>    | <u>49.1</u>           |
| 16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OR EACH):<br>Shutdown to remove ASME Test piping, 750102, 3 days.<br>Shutdown to inspect steam generator tubes, March 1975, 10 days. |                |                |                       |
| 17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____   |                |                |                       |



**SUMMARY:**

Base - loaded entire month except for shutdown and power reduction noted below.

UNIT NAME Prairie Island No. 1

DATE 750102

COMPLETED BY A. A. Hunstad  
612-388-4767

REPORT MONTH DECEMBER 1974

**UNIT SHUTDOWNS**

| NO. | DATE   | TYPE<br>F-FORCED<br>S-SCHEDULED | DURATION<br>(HOURS) | REASON (1) | METHOD OF<br>SHUTTING DOWN<br>THE REACTOR (2) | COMMENTS  |
|-----|--------|---------------------------------|---------------------|------------|---|---|
|     | 741209 | F                               | 0                   | B          | N/A   | Reduced power to 21% to repair steam leak on moisture - separator/reheater.   |
|     | 741226 | F                               | 11.0                | A          | C   | Solenoid valve failed which caused one feedwater regulating valve to close. (nonnuclear component)  |
|     |        |                                 |                     |            |   | <p>(1) REASON:</p> <p>A - Equipment Failure (Explain)</p> <p>B - Maintenance or Test</p> <p>C - Refueling</p> <p>D - Regulatory Restriction</p> <p>E - Operator Training or License Examination</p> <p>F - Administrative</p> <p>G - Operational Error (Explain)</p> <p>H - Other (Explain)</p> <p>(2) METHOD</p> <p>A - Manual</p> <p>B - Manual Trip</p> <p>C - Automatic T</p> |

UNIT Prairie Island No. 2PINGP-144  
Rev. 0DATE 750102COMPLETED BY A. A. Hunstad612-388-4767DAILY UNIT POWER OUTPUTMONTH DECEMBER 1974

| <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> | <u>DAY</u> | <u>AVERAGE LOAD MWe-Net</u> |
|------------|-----------------------------|------------|-----------------------------|
| 1          | —                           | 17         | —                           |
| 2          | —                           | 18         | —                           |
| 3          | —                           | 19         | —                           |
| 4          | —                           | 20         | —                           |
| 5          | —                           | 21         | -10                         |
| 6          | —                           | 22         | 35                          |
| 7          | —                           | 23         | 82                          |
| 8          | —                           | 24         | -9                          |
| 9          | —                           | 25         | -8                          |
| 10         | —                           | 26         | <del>8</del> -8             |
| 11         | —                           | 27         | <del>11</del> -9            |
| 12         | —                           | 28         | <del>2</del> -11            |
| 13         | —                           | 29         | <del>88</del> -2            |
| 14         | —                           | 30         | <del>25</del> 85            |
| 15         | —                           | 31         | <del>75</del> 75            |
| 16         | —                           |            |                             |

UNIT NAME Prairie Island No. 2  
DATE 750102  
COMPLETED BY A. A. Hunstad  
612-388-4767

OPERATING STATUS

1. REPORTING PERIOD: 0141, 741221 TO 2400, 741231  
GROSS HOURS IN REPORTING PERIOD: 262

2. CURRENTLY AUTHORIZED POWER LEVEL MWt 1650  
MAXIMUM DEPENDABLE CAPACITY MWe Net 520

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): \_\_\_\_\_

4. REASONS FOR RESTRICTIONS (IF ANY): \_\_\_\_\_

|  | THIS<br>MONTH             | YR-TO-DATE                | CUMULATIVE<br>TO DATE     |
|--|---------------------------|---------------------------|---------------------------|
| 5. HOURS REACTOR WAS CRITICAL . . . . .  | <u>252</u>                | <u>252</u>                | <u>252</u>                |
| 6. REACTOR RESERVE SHUTDOWN HOURS . . . . .  | <u>10</u>                 | <u>10</u>                 | <u>10</u>                 |
| 7. HOURS GENERATOR ON-LINE . . . . .   | <u>104</u>                | <u>104</u>                | <u>104</u>                |
| 8. UNIT RESERVE SHUTDOWN HOURS . . . . .   | <u>0</u>                  | <u>0</u>                  | <u>0</u>                  |
| 9. GROSS THERMAL POWER GENERATED (MWH) . . .   | <u>44832</u>              | <u>44832</u>              | <u>44832</u>              |
| 10. GROSS ELECTRICAL POWER GENERATED (MWH) .   | <u>9330</u>               | <u>9330</u>               | <u>9330</u>               |
| 11. NET ELECTRICAL POWER GENERATED (MWH) . .   | <u>1935</u>               | <u>1935</u>               | <u>1935</u>               |
| 12. REACTOR AVAILABILITY FACTOR . . . . .  | <u>96.2</u>               | <u>96.2</u>               | <u>96.2</u>               |
| 13. UNIT AVAILABILITY FACTOR . . . . .   | <u>39.7</u>               | <u>39.7</u>               | <u>39.7</u>               |
| 14. UNIT CAPACITY FACTOR . . . . .   | <u><del>8.8</del> 1.4</u> | <u><del>8.8</del> 1.4</u> | <u><del>8.8</del> 1.4</u> |
| 15. FORCED OUTAGE RATE . . . . .   | <u>13.7</u>               | <u>13.7</u>               | <u>13.7</u>               |
| 16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OR EACH): |                           |                           |                           |
| 17. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____                  |                           |                           |                           |

**SUMMARY:**

Core load was completed Nov. 12, 1974. Initial criticality was achieved Dec. 17, 1974. The unit was declared commercial at 0141, Dec. 21, 1974, at initial synchronization. Startup testing is in progress.

 UNIT NAME Prairie Island No. 2

 DATE 750102

 COMPLETED BY A. A. Hunstad  
612-388-4767

 REPORT MONTH DECEMBER 1974

## UNIT SHUTDOWNS

| C. | DATE   | TYPE<br>F-FORCED<br>S-SCHEDULED | DURATION<br>(HOURS) | REASON (1) | METHOD OF<br>SHUTTING DOWN<br>THE REACTOR (2) | COMMENTS  |
|----|--------|---------------------------------|---------------------|------------|---|---|
|    | 741221 | F                               | 16.4                | B          | C   | Trip caused by feedwater regulating valve malfunction.  |
|    | 741222 | S                               | 0.7                 | B          | N/A   | Shutdown to test turbine overspeed.   |
|    | 741223 | S                               | 141.0               | B          | N/A   | Shutdown to complete zero power testing.  |
|    |        |                                 |                     |            |   | (1) REASON:<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training or<br>License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) |
|    |        |                                 |                     |            |   | (2) METHOD<br>A - Manual<br>B - Manual Trip<br>C - Automatic Tri  |