



**Northern States Power Company**

Monticello Nuclear Generating Plant  
2807 West Co. Rd. 75  
Monticello, Minnesota 55362-9637

June 5, 2000

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

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

Submittal of Monticello Monthly Operating Report for May 2000

In accordance with Monticello Technical Specification 6.7.A.3, the report of operating statistics for the Monticello Nuclear Generating Plant for the month of May is provided.

Please contact Marcus H. Voth, Project Manager – Licensing at (763) 271-5116 if you require further information.

Marcus H. Voth  
Project Manager - Licensing  
Nuclear Energy Engineering Dept.

c: Regional Administrator – III, NRC  
NRR Project Manager, NRC  
Sr Resident Inspector, NRC  
Minnesota Dept. of Commerce  
J Silberg

MRR-063

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# OPERATING DATA REPORT

DOCKET NO. 50-263  
DATE 6- 1- 0  
COMPLETED BY H. H. Paustian  
TELEPHONE 612/295-5151

## OPERATING STATUS

|   |            |       |
|---|------------|-------|
| 1. Unit Name : _____  | Monticello | Notes |
| 2. Reporting period: _____  | May        |       |
| 3. Licensed Thermal Power (MWt): _____  | 1775       |       |
| 4. Nameplate Rating (Gross MWe): _____  | 613.0      |       |
| 5. Design Electrical Rating (Net MWe): _____  | 600.0      |       |
| 6. Maximum Dependable Capacity (Gross MWe): _____   | 605.1      |       |
| 7. Maximum Dependable Capacity (Net MWe): _____   | 578.1      |       |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: _____ |            |       |

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  | 744        | 3647        | 253512     |
| 12. Number Of Hours Reactor Was Critical   | 744.0      | 2382.1      | 208283.3   |
| 13. Reactor Reserve Shutdown Hours   | 0.0        | 0.0         | 940.7      |
| 14. Hours Generator On-Line  | 744.0      | 2335.0      | 205023.5   |
| 15. Unit Reserve Shutdown Hours  | 0.0        | 0.0         | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)   | 1293869    | 4025477     | 321477222  |
| 17. Gross Electrical Energy Generated (MWH)  | 443285     | 1388971     | 108998259  |
| 18. Net Electrical Energy Generated (MWH)  | 427058     | 1335438     | 104364762  |
| 19. Unit Service Factor  | 100.0%     | 64.0%       | 80.9%      |
| 20. Unit Availability Factor   | 100.0%     | 64.0%       | 80.9%      |
| 21. Unit Capacity Factor (Using MDC Net)   | 99.3%      | 63.3%       | 76.4%      |
| 22. Unit Capacity Factor (Using DER Net)   | 95.7%      | 61.0%       | 75.0%      |
| 23. Unit Forced Outage Rate  | 0.0%       | 0.0%        | 4.4%       |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each)<br>Not Reported _____ |            |             |            |

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

26. Units In Test Status(Prior to Commercial Operation): N/A Forecast Achieved

INITIAL CRITICALITY \_\_\_\_\_

INITIAL ELECTRICITY \_\_\_\_\_

COMMERCIAL OPERATION \_\_\_\_\_

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263  
UNIT Monticello  
DATE 6- 1- 0  
COMPLETED BY H. H. Paustian  
TELEPHONE 612/295-5151

MONTH OF May

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | 588.                                   | 17  | 591.                                   |
| 2   | 588.                                   | 18  | 592.                                   |
| 3   | 586.                                   | 19  | 590.                                   |
| 4   | 583.                                   | 20  | 590.                                   |
| 5   | 581.                                   | 21  | 593.                                   |
| 6   | 580.                                   | 22  | 582.                                   |
| 7   | 578.                                   | 23  | 586.                                   |
| 8   | 579.                                   | 24  | 581.                                   |
| 9   | 583.                                   | 25  | 584.                                   |
| 10  | 583.                                   | 26  | 585.                                   |
| 11  | 585.                                   | 27  | 231.                                   |
| 12  | 585.                                   | 28  | 564.                                   |
| 13  | 588.                                   | 29  | 588.                                   |
| 14  | 591.                                   | 30  | 588.                                   |
| 15  | 591.                                   | 31  | 588.                                   |
| 16  | 590.                                   |     |  |

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

|              |                |
|--------------|----------------|
| DOCKET NO.   | 50-263         |
| UNIT NAME    | Monticello     |
| DATE         | 06-01-00       |
| COMPLETED BY | H. H. Paustian |
| TELEPHONE    | 612-295-5151   |

REPORT MONTH May[illegible]

|   |           |
|---|-----------|
| F | Forced    |
| S | Scheduled |

**Reason:**

- A** Equipment Failure (Explain)
- B** Maintenance or Test
- C** Refueling
- D** Regulator Restriction
- E** Operator Training & Licensing Examination
- F** Administrative
- G** Operational Error (Explain)
- H** Other (Explain)

Method:

- 1 Manual
- 2 Manual Scram
- 3 Automatic Scram
- 4 Other (Explain)

Draft IEEE Standard  
805-1984 (P805-D5)

IEEE Standard 803A-1983

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263  
DATE 6- 1- 0  
COMPLETED BY H. H. Paustian  
TELEPHONE 612/295-5151

MONTH \_\_\_\_\_ MAY \_\_\_\_\_

05-01-00  
to Power operation.  
05-27-00  
  
05-27-00  
to Power reduction to 30% for condenser cleaning.  
05-28-00  
  
05-28-00  
to Power operation.  
05-31-00

Note: Power operation defined as essentially 100% of rated power except for weekend load drops for specified surveillance testing.