

PDR

**NSP**

**NORTHERN STATES POWER COMPANY**

MINNEAPOLIS, MINNESOTA 55401

January 6, 1978

Director, Office of Management  
Information & Program Control  
c/o Distribution Services Branch, DDC, ADM  
U S Nuclear Regulatory Commission  
Washington, DC 20555



Dear Sir:

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

Monthly Operating Report  
December 1977

Attached are two copies of the Monthly Operating Report for December, 1977 for the Monticello Nuclear Generating Plant.

Yours very truly,

*L. O. Mayer*

L O Mayer, PE  
Manager of Nuclear Support Services

LOM/ak

cc: Director, IE, III, USNRC (1)  
Director, IE, USNRC (c/o DSB) (10)  
MPCA  
Attn: J W Ferman

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OPERATING DATA REPORT

DOCKET NO. 50-263  
UNIT 1  
DATE 1/4/78  
COMPLETED BY W. A. Shamla  
TELEPHONE 612/295-5151, Ext. 111

OPERATING STATUS

1. Reporting Period: December Gross Hours in Report Period: 744  
2. Currently Authorized Power Level (MWt): 1670 Max. Depend. Capacity (MWe-NET):  
536 Design Electrical Rating (MWe-Net): 545.4  
3. Power Level to Which Restricted (if any) (MWe-Net): N/A  
4. Reasons for Restriction (if any): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor Was Critical .....	<u>717.6</u>	<u>7092.0</u>	<u>45,168.4</u>
6. Reactor Reserve Shutdown Hours .....	<u>0.0</u>	<u>0.0</u>	<u>940.7</u>
7. Hours Generator On Line .....	<u>709.0</u>	<u>7002.2</u>	<u>43,777.4</u>
8. Unit Reserve Shutdown Hours .....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. Gross Thermal Energy Generated (MMBtu) .....	<u>1,119,288</u>	<u>10,991,899.2</u>	<u>73,654,574.6</u>
10. Gross Electrical Energy Generated (MMBtu) .....	<u>383,460</u>	<u>3,728,270</u>	<u>22,372,690</u>
11. Net Electrical Energy Generated (MMBtu) .....	<u>369,154</u>	<u>3,568,902</u>	<u>21,376,374</u>
12. Reactor Service Factor .....	<u>96.5%</u>	<u>81.0%</u>	<u>79.2%</u>
13. Reactor Availability Factor .....	<u>96.5%</u>	<u>81.0%</u>	<u>80.9%</u>
14. Unit Service Factor .....	<u>95.3%</u>	<u>79.9%</u>	<u>76.8%</u>
15. Unit Availability Factor .....	<u>95.3%</u>	<u>79.9%</u>	<u>76.8%</u>
16. Unit Capacity Factor (Online Only) .....	<u>92.6%</u>	<u>76.0%</u>	<u>69.9%</u>
17. Unit Capacity Factor (Online and Reserve) .....	<u>91.0%</u>	<u>74.7%</u>	<u>68.7%</u>
18. Unit Forced Outage Rate .....	<u>0.0%</u>	<u>0.5%</u>	<u>8.0%</u>
19. Shutdowns Scheduled Over Next 12 Months (Date and Duration of Each):			
20. If Shutdown at End of Report Period, Estimated Date of Startup: <u>N/A</u>			

2025  
Rev. 0  
3/3/76

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263

UNIT 1

DATE 1/4/78

COMPLETED BY \_\_\_\_\_

TELEPHONE 612/295-5151, Ext. 111

MONTH December

DAY      AVERAGE DAILY POWER LEVEL  
            (MWe-Net)

1	<u>550</u>
2	<u>555</u>
3	<u>552</u>
4	<u>514</u>
5	<u>553</u>
6	<u>553</u>
7	<u>556</u>
8	<u>549</u>
9	<u>553</u>
10	<u>554</u>
11	<u>532</u>
12	<u>552</u>
13	<u>551</u>
14	<u>554</u>
15	<u>336</u>
16	<u>-5</u>

DAY      AVERAGE DAILY POWER LEVEL  
            (MWe-Net)

17	<u>155</u>
18	<u>364</u>
19	<u>461</u>
20	<u>406</u>
21	<u>507</u>
22	<u>548</u>
23	<u>553</u>
24	<u>551</u>
25	<u>531</u>
26	<u>552</u>
27	<u>552</u>
28	<u>555</u>
29	<u>551</u>
30	<u>552</u>
31	<u>537</u>

2027  
Rev. 0  
3/3/76

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-263  
UNIT NAME Monticello  
DATE January 4, 1978  
COMPLETED BY W. A. Shamla  
TELEPHONE 612/295-5151  
Ext. 111

REPORT MONTH December

NO.	DATE	TYPE		DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED	S: SCHEDULED				
7	771215		S	35	B	1	Unit Outage taken to repair special instrumentation in suppression chamber in preparation for reactor safety/relief valve actuation test.

## (1) REASON

- A: Equipment Failure (Explain)
- B: Maint. or Test
- C: Refueling
- D: Regulatory Restriction
- E: Operator Training and License Examination
- F: Administrative
- G: Operational Error (Explain)
- H: Other (Explain)

## (2) METHOD

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

SUMMARY: The unit was base loaded during the entire month except for weekend reductions for surveillance testing and the outage described above.