



Northern States Power Company

Monticello Nuclear Generating Plant  
2807 West Hwy 75  
Monticello, Minnesota 55362-9637

January 11, 1999

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 December, 1998

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 December is provided.

Please contact Marcus H. Voth, Project Manager - Licensing at (612) 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  
State of Minnesota  
Attn: Kris Sanda  
J Silberg

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# OPERATING DATA REPORT

DOCKET NO. 50-263  
DATE 1- 4-99  
COMPLETED BY H. H. Paustian  
TELEPHONE 612/295-5151

## OPERATING STATUS

	Notes
1. Unit Name : _____ Monticello	
2. Reporting period: _____ December	
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): _____ 573.1	
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: _____ 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	744	8760	241105
12. Number Of Hours Reactor Was Critical	744.0	7722.0	197766.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	940.7
14. Hours Generator On-Line	744.0	7661.7	194595.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1308353	12524829	303380434
17. Gross Electrical Energy Generated (MWH)	455996	4293366	102774741
18. Net Electrical Energy Generated (MWH)	440913	4118927	98379984
19. Unit Service Factor	100.0%	87.5%	80.7%
20. Unit Availability Factor	100.0%	87.5%	80.7%
21. Unit Capacity Factor (Using MDC Net)	102.5%	85.5%	76.0%
22. Unit Capacity Factor (Using DER Net)	98.8%	83.8%	74.7%
23. Unit Forced Outage Rate	0.0%	2.8%	4.3%
24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each)	None		

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 1- 4-99  
COMPLETED BY H. H. Paustian  
TELEPHONE 612/295-5151

MONTH OF December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	597.
2	598.
3	598.
4	599.
5	592.
6	436.
7	597.
8	599.
9	600.
10	599.
11	599.
12	599.
13	599.
14	599.
15	599.
16	599.

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	598.
18	598.
19	598.
20	599.
21	598.
22	595.
23	598.
24	599.
25	596.
26	600.
27	598.
28	597.
29	597.
30	597.
31	596.

## 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.

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263  
DATE 1- 4-99  
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MONTH \_\_\_\_\_ DEC \_\_\_\_\_

12-01-98  
to Power operation.  
12-06-98  
12-06-98 Power reduction to 47% for Recirculation System MG Set  
brush exchange, rod pattern sequence exchange, and fuel  
preconditioning.  
12-06-98  
to Power operation.  
12-31-98

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-263

UNIT NAME Monticello

DATE 01-04-99

COMPLETED BY H. H. Paustian

TELEPHONE 612-295-5151

REPORT MONTH December

[illegible]

1

F	Forced
S	Scheduled

2

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)

3

**Method:**

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

4

Draft IEEE Standard  
805-1984 (P805-D5)

5

IEEE Standard 803A-1983