



Northern States Power Company

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

January 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 December 1999

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: Steve Minn
J Silberg

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OPERATING DATA REPORT

DOCKET NO. 50-263
 DATE 1- 2- 0
 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): _____ 578.1	
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	249865
12. Number Of Hours Reactor Was Critical	744.0	8135.1	205901.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	940.7
14. Hours Generator On-Line	744.0	8092.6	202688.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1170387	14071311	317451745
17. Gross Electrical Energy Generated (MWH)	403311	4834547	107609288
18. Net Electrical Energy Generated (MWH)	387942	4649340	103029324
19. Unit Service Factor	100.0%	92.4%	81.1%
20. Unit Availability Factor	100.0%	92.4%	81.1%
21. Unit Capacity Factor (Using MDC Net)	90.2%	91.8%	76.6%
22. Unit Capacity Factor (Using DER Net)	86.9%	88.5%	75.2%
23. Unit Forced Outage Rate	0.0%	7.6%	4.5%
24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each) _____ 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 1-2-0
 COMPLETED BY H. H. Paustian
 TELEPHONE 612/295-5151

MONTH OF December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	553.	17	514.
2	550.	18	520.
3	550.	19	515.
4	548.	20	505.
5	546.	21	511.
6	543.	22	509.
7	543.	23	506.
8	538.	24	504.
9	541.	25	503.
10	532.	26	499.
11	531.	27	500.
12	531.	28	495.
13	528.	29	494.
14	526.	30	492.
15	523.	31	491.
16	522.		

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- 2- 0
COMPLETED BY H. H. Paustian
TELEPHONE 612/295-5151

MONTH _____ DEC _____

12-01-99
to Power coastdown as refueling outage approaches.
12-31-99

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

