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PDR

**N U C L E A R R E G U L A T O R Y D O C K E T F I L E C O P Y**

**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

February 9, 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  
January 1978

Attached are two copies of the Monthly Operating Report for January, 1978 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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1/1

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# NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263

UNIT 1

DATE 2/7/78

COMPLETED BY W. A. Shamla

TELEPHONE 612/295-5151, Ext. 111

MONTH January

1/1/78      Operated at approximately 100% of rated power except  
to          for weekly reductions to perform control rod exercis-  
1/31/78      ing and valve testing. No major safety-related maint-  
              enance was performed. No significant operating problems  
              experienced.

# OPERATING DATA REPORT

DOCKET NO. 50-263  
 DATE 2/2/78  
 COMPLETED BY W.A. Shamla  
 TELEPHONE 612/295-5151

## OPERATING STATUS

1. Unit Name:	<u>Monticello</u>	Notes
2. Reporting Period:	<u>January</u>	
3. Licensed Thermal Power (MWt):	<u>1670</u>	
4. Nameplate Rating (Gross MWe):	<u>569</u>	
5. Design Electrical Rating (Net MWe):	<u>545.4</u>	
6. Maximum Dependable Capacity (Gross MWe):	<u>564</u>	
7. Maximum Dependable Capacity (Net MWe):	<u>536</u>	
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>		
9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u>		
10. Reasons For Restrictions, If Any: <u>N/A</u>		

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	57,769
12. Number Of Hours Reactor Was Critical	744.0	744.0	45,912.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	940.7
14. Hours Generator On-Line	744.0	744.0	44,521.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,233,324	1,233,324	74,887,898.6
17. Gross Electrical Energy Generated (MWH)	422,630	422,630	22,795,320
18. Net Electrical Energy Generated (MWH)	407,606	407,606	21,783,980
19. Unit Service Factor	100%	100%	77.1%
20. Unit Availability Factor	100%	100%	77.1%
21. Unit Capacity Factor (Using MDC Net)	102.2%	102.2%	70.4%
22. Unit Capacity Factor (Using DER Net)	100.5%	100.5%	69.1%
23. Unit Forced Outage Rate	0.0%	0.0%	7.9%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA

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

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263  
 UNIT Monticello  
 DATE 2/2/78  
 COMPLETED BY W.A. Shamla  
 TELEPHONE 612/295-5151

MONTH JANUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>548</u>
2	<u>553</u>
3	<u>553</u>
4	<u>553</u>
5	<u>553</u>
6	<u>554</u>
7	<u>527</u>
8	<u>548</u>
9	<u>552</u>
10	<u>549</u>
11	<u>553</u>
12	<u>552</u>
13	<u>550</u>
14	<u>515</u>
15	<u>552</u>
16	<u>552</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>551</u>
18	<u>551</u>
19	<u>552</u>
20	<u>548</u>
21	<u>550</u>
22	<u>515</u>
23	<u>553</u>
24	<u>553</u>
25	<u>553</u>
26	<u>553</u>
27	<u>551</u>
28	<u>553</u>
29	<u>533</u>
30	<u>553</u>
31	<u>553</u>

## 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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January

DOCKET NO. 50-263  
 UNIT NAME Monticello  
 DATE 2/2/78  
 COMPLETED BY W.A. Shamla  
 TELEPHONE 612/295-5151

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source