

NSP

PDR

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

August 8, 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
July 1978

Attached are two copies of the Monthly Operating Report for July,
1978 for the Monticello Nuclear Generating Plant.

Yours very truly,

L. O. Mayer

L O Mayer, PE
Manager of Nuclear Support Services

LOM/deh

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

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PDR ADOCK 05000263
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NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-263
Unit Monticello
Completed by A. L. Myrabo
Date August 3, 1978

MONTH July

7/1/78
to
7/26/78 Power Operation.

7/27/78 Reactor scram. Spiking LPRM caused APRM high flux
scram.

7/28/78 Power operation.

7/29/78 Orderly shutdown to cold condition to replace control
to rod scram solenoid plungers. Outage was extended to
7/31/78 repair recirculation pump MG set coupling.

NOTE: The unit load-followed on 18 days in this period.

OPERATING DATA REPORT

DOCKET NO. 50-263
 DATE 8-3-78
 COMPLETED BY A. L. Myrabo
 TELEPHONE 612/295-5151

OPERATING STATUS

1. Unit Name : Monticello
 2. Reporting period: JULY
 3. Licensed Thermal Power (Mwt): 1670
 4. Nameplate Rating (Gross Mwe): 569
 5. Design Electrical Rating (Net Mwe): 545.4
 6. Maximum Dependable Capacity (Gross Mwe): 564
 7. Maximum Dependable Capacity (Net Mwe): 536
 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	5087	62112
12. Number Of Hours Reactor Was Critical	665.9	4862.0	50030.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	940.7
14. Hours Generator On-Line	659.6	4810.3	48587.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	994534	7511055	81105029
17. Gross Electrical Energy Generated (MWH)	334690	2554010	24926700
18. Net Electrical Energy Generated (MWH)	317330	2451096	23327470
19. Unit Service Factor	88.7%	94.6%	78.2%
20. Unit Availability Factor	88.7%	94.6%	78.2%
21. Unit Capacity Factor (Using MDC Net)	79.6%	89.9%	71.6%
22. Unit Capacity Factor (Using DER Net)	78.2%	88.3%	70.3%
23. Unit Forced Outage Rate	11.3%	2.7%	7.5%
24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each)			
Refueling Outage, October 16, 1978, 40 days			

25. If Shut Down At End Of Report Period, Estimated Date Of Startup: 08-01-78
 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 8- 3-78_____
 COMPLETED BY A. L. Myrabo_____
 TELEPHONE 612/295-5151

MONTH _____JULY_____

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

1	_____536_____
2	_____488_____
3	_____539_____
4	_____470_____
5	_____475_____
6	_____479_____
7	_____463_____
8	_____418_____
9	_____525_____
10	_____488_____
11	_____465_____
12	_____461_____
13	_____462_____
14	_____456_____
15	_____492_____
16	_____482_____

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

17	_____535_____
18	_____534_____
19	_____532_____
20	_____538_____
21	_____460_____
22	_____495_____
23	_____532_____
24	_____459_____
25	_____496_____
26	_____529_____
27	_____311_____
28	_____121_____
29	_____ -5_____
30	_____ -6_____
31	_____ -5_____

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 July

DOCKET NO. 50-263
 UNIT NAME Monticello
 DATE August 3, 1978
 COMPLETED BY A. L. Myrabo
 TELEPHONE 612/295-5151

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10	7-27-78	F	10.6	H	3	N/A	IA	INSTRUE	LPRM spiking caused APRM High Flux Scram.
11	7-28-78	F	73.8	A	1	LER-78-14	RB	VAL VOP	Disc in scram pilot valve solenoid plunger broke and prevented valve from operating. Plunger on this and all other scram pilot valves replaced and functionally tested. Preventive Maintenance initiated to replace plungers. Outage extended for repair of recirculation pump MG Set coupling.

¹ F - Forced
 S - Scheduled

² 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)

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

⁴ Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NU REG-016-1)

⁵ Exhibit I - Same Source