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(2-76)

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MONTHLY REPORT

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TO:

N. R. C.

FROM:

Northern States Power Company
Minneapolis, Minnesota
L. O. Mayer

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DESCRIPTION

Letter trans the following:

(1-P)

PLANT NAME:

Monticello

RJL 6/13/77

ENCLOSURE

Monthly Report for MAY, 1977

Plant & Component Operability & Availability
This Report to be used in preparing Gray Book
by Plans & Operations.

(3-P)

DO NOT REMOVE

ACKNOWLEDGED

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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771640161

NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

June 8, 1977

Regulatory Docket File



Director, Office of
Inspection and Enforcement
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
May 1977

Attached are ten copies of the Monthly Operating Report for May, 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, MIPC, USNRC (2)
MPCA
Attn: J W Ferman

771640161

2025
Rev. 0
5/3/76

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263
UNIT 1
DATE JUNE 3, 1977
COMPLETED BY W. A. SHAMLA
TELEPHONE 612/295-5151, Ext. 111

MONTH MAY

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>529</u>
2	<u>550</u>
3	<u>553</u>
4	<u>553</u>
5	<u>551</u>
6	<u>551</u>
7	<u>443</u>
8	<u>531</u>
9	<u>552</u>
10	<u>552</u>
11	<u>549</u>
12	<u>552</u>
13	<u>543</u>
14	<u>516</u>
15	<u>537</u>
16	<u>541</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>538</u>
18	<u>537</u>
19	<u>538</u>
20	<u>532</u>
21	<u>372</u>
22	<u>461</u>
23	<u>524</u>
24	<u>537</u>
25	<u>534</u>
26	<u>534</u>
27	<u>535</u>
28	<u>502</u>
29	<u>534</u>
30	<u>534</u>
31	<u>537</u>

OPERATING DATA REPORT

DOCKET NO. 50-263
UNIT 1
DATE JUNE 3, 1977
COMPLETED BY W. A. SHAMLA
TELEPHONE 612/295-5151, Ext. 111

OPERATING STATUS

1. Reporting Period: MAY 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>744.0</u>	<u>3,554.6</u>	<u>41,631.0</u>
6. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>940.7</u>
7. Hours Generator On Line	<u>744.0</u>	<u>3,535.4</u>	<u>40,310.6</u>
8. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. Gross Thermal Energy Generated (MWH)	<u>1,209,487.2</u>	<u>5,712,511.2</u>	<u>68,375,186.6</u>
10. Gross Electrical Energy Generated (MWH)	<u>410,140</u>	<u>1,945,850</u>	<u>20,590,270</u>
11. Net Electrical Energy Generated (MWH)	<u>392,428</u>	<u>1,871,232</u>	<u>19,678,704</u>
12. Reactor Service Factor	<u>100%</u>	<u>98.1%</u>	<u>80.1%</u>
13. Reactor Availability Factor	<u>100%</u>	<u>98.1%</u>	<u>81.9%</u>
14. Unit Service Factor	<u>100%</u>	<u>97.6%</u>	<u>77.6%</u>
15. Unit Availability Factor	<u>100%</u>	<u>97.6%</u>	<u>77.6%</u>
16. Unit Capacity Factor (Using MDC)	<u>98.4%</u>	<u>96.4%</u>	<u>70.7%</u>
17. Unit Capacity Factor (Using Design MWe)	<u>96.7%</u>	<u>94.7%</u>	<u>69.4%</u>
18. Unit Forced Outage Rate	<u>0.0%</u>	<u>0.9%</u>	<u>8.6%</u>
19. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Operator Licensing Outage, 6/11/77 2 Days Refueling Outage, 9/24/77, 42 days			
20. If Shutdown at End of Report Period, Estimated Date of Startup:		<u>N/A</u>	

2027
Rev. 0
3/3/76

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY

DOCKET NO. 50-263

UNIT NAME Monticello

DATE JUNE 3, 1977

COMPLETED BY W. A. SHAMLA

TELEPHONE 612/295-5151
Ext. 111

NO.	DATE	TYPE	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				

(1) REASON

A: Equipment Failure (Explain)

B: Maint. or Test

C: Refueling

D: Regulatory Restriction

E: Operator Training and License Examination

(2) METHOD

1: Manual

2: Manual Scram

3: Automatic Scram

4: Other (Explain)

SUMMARY: Operated as base loaded unit with weekend power reductions for surveillance testing.

F: Administrative
G: Operational Error (Explain)
H: Other (Explain)