

PPR
NSP REGULATORY DOCKET FILE COPY

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

March 7, 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
February 1978

Attached are two copies of the Monthly Operating Report for February, 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

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263

UNIT 1

DATE 3/6/78

COMPLETED BY A. L. Myrabo

TELEPHONE 612/295-5151, Ext. 239

MONTH February

2/1/78
to
2/2/78

Operated at 100% of rated power.

2/3/78

Orderly shutdown for rod sequence exchange and repair/inspection of torus vacuum breakers. Trued up bearing housings and bearings and adjusted end clearance on torus to drywell vacuum breakers "B" and "J". Changed out topworks on "A" relief valve due to leak around strainer plug.

2/4/78
to
2/22/78

Operated at approximately 100% of rated power, except for weekend reductions to perform control rod exercising and valve testing.

2/23/78

Reactor scram due to low condenser vacuum caused by both circulating water pumps tripping from spurious flood protection circuit signal.

2/24/78
to
2/28/78

Operated at 100% of rated power.

Spent Fuel Storage Update

Fuel assemblies in the core - 484

Fuel assemblies in the spent fuel storage pool - 616

Licensed spent fuel storage pool capacity - 740

Date of last refueling that can be discharged with present capacity - Oct, 1978

OPERATING DATA REPORT

DOCKET NO. 50-263
 DATE 3/1/78
 COMPLETED BY A. MYRABO
 TELEPHONE 612/295-5151

OPERATING STATUS

1. Unit Name: Monticello
2. Reporting Period: February
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:

Notes

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	672	1,416	58,441
12. Number Of Hours Reactor Was Critical	644.2	1,388.2	46,556.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	940.7
14. Hours Generator On-Line	630.3	1,374.3	45,151.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	974,500.8	2,207,824.8	75,862,399.4
17. Gross Electrical Energy Generated (MWH)	334,120	756,750	23,129,440
18. Net Electrical Energy Generated (MWH)	321,696	729,302	22,105,676
19. Unit Service Factor	93.8%	97.1%	77.3%
20. Unit Availability Factor	93.8%	97.1%	77.3%
21. Unit Capacity Factor (Using MDC Net)	89.3%	96.1%	70.6%
22. Unit Capacity Factor (Using DER Net)	87.8%	94.4%	69.4%
23. Unit Forced Outage Rate	1.6%	0.7%	7.8%

24. Shutdowns Scheduled Over Next 6 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: N/A

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263
UNIT Monticello
DATE 3/1/78
COMPLETED BY A. MYRABO
TELEPHONE 612/295-5151

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>553</u>
2	<u>345</u>
3	<u>-5</u>
4	<u>221</u>
5	<u>379</u>
6	<u>484</u>
7	<u>533</u>
8	<u>538</u>
9	<u>541</u>
10	<u>540</u>
11	<u>546</u>
12	<u>516</u>
13	<u>553</u>
14	<u>553</u>
15	<u>550</u>
16	<u>553</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>553</u>
18	<u>553</u>
19	<u>497</u>
20	<u>547</u>
21	<u>549</u>
22	<u>550</u>
23	<u>217</u>
24	<u>400</u>
25	<u>494</u>
26	<u>545</u>
27	<u>549</u>
28	<u>551</u>
29	<u></u>
30	<u></u>
31	<u></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

DOCKET NO. 50-263UNIT NAME MonticelloDATE 3/1/78COMPLETED BY A. MyraboTELEPHONE 612/295-5151REPORT MONTH February

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
1	770202	F	31.4	A	1	78-02-01-T	SA	VALVEX	Rod sequence exchange and repair/ inspection of torus vacuum breaker (stuck open). All torus vacuum breakers tested and adjusted.
2	770223	F	10.3	A	3	N/A	HF	ZZZZZZ	Reactor scram on low condenser vacuum caused by both circulating water pumps tripping from spurious flood protection system signal. Flood protection system deactivated for further testing.

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)

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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 (NUREG-
0161)

⁵
Exhibit I - Same Source