

50-263

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FILE NUMBER

MONTHLY REPORT

TO:
NRCFROM: NSP
L. O. Mayer

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09/08/77

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DESCRIPTION

Letter trans the following:

1p

PLANT NAME: MONTICELLO

jcm 09/15/77

ENCLOSURE

Monthly Report for August, 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book
by Plans & Operations.

3p

10 ENCL X

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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172580081 B

NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

REGULATORY DIVISION FILE 1004



September 8, 1977

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
August 1977

Attached are two copies of the Monthly Operating Report for August, 1977
for the Monticello Nuclear Generating Plant.

Yours very truly,

A handwritten signature in cursive script, appearing to read "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

172580081

OPERATING DATA REPORT

DOCKET NO. 50-263
UNIT 1
DATE SEPTEMBER 6, 1977
COMPLETED BY W. A. SHAMLA
TELEPHONE 612/295-5151, Ext. 111

OPERATING STATUS

1. Reporting Period: AUGUST Gross Hours in Report Period: 744.0
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>5,660.5</u> | <u>43,736.9</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>5,600.9</u> | <u>42,376.1</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>1,128,360.0</u> | <u>8,835,559.2</u> | <u>71,498,234.6</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>379,240</u> | <u>2,992,430</u> | <u>21,636,850</u> |
| 11. Net Electrical Energy Generated (MWH) | <u>360,458</u> | <u>2,865,934</u> | <u>20,673,406</u> |
| 12. Reactor Service Factor | <u>100%</u> | <u>97.1%</u> | <u>80.9%</u> |
| 13. Reactor Availability Factor | <u>100%</u> | <u>97.1%</u> | <u>82.6%</u> |
| 14. Unit Service Factor | <u>100%</u> | <u>96.1%</u> | <u>78.3%</u> |
| 15. Unit Availability Factor | <u>100%</u> | <u>96.1%</u> | <u>78.3%</u> |
| 16. Unit Capacity Factor (Using MDC) | <u>90.4%</u> | <u>91.7%</u> | <u>71.3%</u> |
| 17. Unit Capacity Factor (Using Design MWe) | <u>88.8%</u> | <u>90.1%</u> | <u>70.1%</u> |
| 18. Unit Forced Outage Rate | <u>0.0%</u> | <u>0.6%</u> | <u>8.2%</u> |
| 19. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): | | | |

REFUELING, SEPTEMBER 10, 1977, 56 DAYS

20. If Shutdown at End of Report Period, Estimated Date of Startup: _____

2025
Rev. - 0
3/3/76

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-263
UNIT 1
DATE SEPTEMBER 6, 1977
COMPLETED BY W.A. SHAMLA
TELEPHONE 612/295-5151, Ext. 111

MONTH AUGUST

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

| | |
|----|------------|
| 1 | <u>488</u> |
| 2 | <u>446</u> |
| 3 | <u>441</u> |
| 4 | <u>459</u> |
| 5 | <u>535</u> |
| 6 | <u>538</u> |
| 7 | <u>502</u> |
| 8 | <u>539</u> |
| 9 | <u>527</u> |
| 10 | <u>532</u> |
| 11 | <u>530</u> |
| 12 | <u>497</u> |
| 13 | <u>522</u> |
| 14 | <u>292</u> |
| 15 | <u>369</u> |
| 16 | <u>441</u> |

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

| | |
|----|------------|
| 17 | <u>509</u> |
| 18 | <u>535</u> |
| 19 | <u>484</u> |
| 20 | <u>467</u> |
| 21 | <u>450</u> |
| 22 | <u>502</u> |
| 23 | <u>520</u> |
| 24 | <u>424</u> |
| 25 | <u>498</u> |
| 26 | <u>520</u> |
| 27 | <u>479</u> |
| 28 | <u>516</u> |
| 29 | <u>472</u> |
| 30 | <u>474</u> |
| 31 | <u>512</u> |

2027
Rev. 0
3/3/76

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-263

UNIT NAME Monticello

DATE 9-6-77

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

(2) METHOD

1: Manual
2: Manual Scram
3: Automatic Scram
4: Other (Explain)

SUMMARY: Operated Primarily as Base
Loaded Unit.