

NSP**NORTHERN STATES POWER COMPANY**

MINNEAPOLIS, MINNESOTA 55401

May 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
April 1978

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

Yours very truly,



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

RECEIVED DISTRIBUTION
SERVICES UNIT
1978 MAY 11 AM 10 31
US NRC
DISTRIBUTION SERVICES
BRANCH

781310039

A003
5/11

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263
UNIT Monticello
DATE 5/2/78
COMPLETED BY A. L. Myrabo
TELEPHONE 612/295-5151

MONTH April

4/1/78
to
4/24/78 Operated at essentially 100% of rated power.

4/25/78
to
4/27/78 Orderly shutdown to upgrade low voltage safety-related
interior drywell penetration splices, and perform rod se-
quence exchange.

4/28/78
to
4/30/78 Increasing to 100% power.

OPERATING DATA REPORT

DOCKET NO. 50-263
 DATE 05/02/78
 COMPLETED BY A. L. Myrabo
 TELEPHONE 612/295-5151

OPERATING STATUS

1. Unit Name : _____ Monticello
 2. Reporting Period: _____ April
 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 | 719 | 2879 | 59904 |
| 12. Number Of Hours Reactor Was Critical | 673.4 | 2805.6 | 47974.0 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 940.7 |
| 14. Hours Generator On-Line | 657.5 | 2775.8 | 46553.2 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1048937 | 4484379 | 78138953 |
| 17. Gross Electrical Energy Generated (MWH) | 357520 | 1533930 | 23906620 |
| 18. Net Electrical Energy Generated (MWH) | 344154 | 1477948 | 22854322 |
| 19. Unit Service Factor | 91.6% | 96.5% | 77.7% |
| 20. Unit Availability Factor | 91.6% | 96.5% | 77.7% |
| 21. Unit Capacity Factor (Using MDC Net) | 89.3% | 95.8% | 71.2% |
| 22. Unit Capacity Factor (Using DER Net) | 87.8% | 94.1% | 70.0% |
| 23. Unit Forced Outage Rate | 0.0% | 0.4% | 7.6% |
| 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: _____ N/A
 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 05-02-78_____
 COMPLETED BY A. L. Myrabo_____
 TELEPHONE 612/295-5151_____

MONTH ____APRIL____

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

| | |
|----|---------------|
| 1 | _____518_____ |
| 2 | _____547_____ |
| 3 | _____549_____ |
| 4 | _____550_____ |
| 5 | _____547_____ |
| 6 | _____551_____ |
| 7 | _____555_____ |
| 8 | _____546_____ |
| 9 | _____526_____ |
| 10 | _____550_____ |
| 11 | _____549_____ |
| 12 | _____551_____ |
| 13 | _____549_____ |
| 14 | _____548_____ |
| 15 | _____528_____ |
| 16 | _____551_____ |

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

| | |
|----|----------------|
| 17 | _____551_____ |
| 18 | _____551_____ |
| 19 | _____550_____ |
| 20 | _____548_____ |
| 21 | _____550_____ |
| 22 | _____496_____ |
| 23 | _____547_____ |
| 24 | _____550_____ |
| 25 | _____399_____ |
| 26 | _____ -4 _____ |
| 27 | _____ -5 _____ |
| 28 | _____116_____ |
| 29 | _____354_____ |
| 30 | _____422_____ |
| 31 | _____ |

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 APRIL

DOCKET NO. 50-263
 UNIT NAME Monticello
 DATE 5/2/78
 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 |
|-----|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 1 | 780425 | S | 60.5 | H | 1 | N/A | SA | Penetr | Upgraded low voltage safety-related interior drywell penetration splices. |

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 (NUREG-
 0161)

5 Exhibit I - Same Source