



Northern States Power Company

Monticello Nuclear Generating Plant
2807 West Hwy 75
Monticello, Minnesota 55362-9637

December 5, 1996

Monticello Technical
Specification 6.7.A.3

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Submittal of Monticello Monthly Operating Report for November, 1996

In accordance with Monticello Technical Specification 6.7.A.3, the report of operating statistics for the Monticello Nuclear Generating Plant for the Month of November is provided.

Please contact Sam Shirey, Sr. Licensing Engineer, at (612) 295-1449 if you require further information.

Sam Shirey for

Roger O Anderson
Director
Licensing and Management Issues

c: Regional Administrator - III, NRC
NRR Project Manager, NRC
Sr Resident Inspector, NRC
State of Minnesota
Attn: Kris Sanda
J Silberg

9612160370 961130
PDR ADOCK 05000263
R PDR

160034

11/11/96

OPERATING DATA REPORT

DOCKET NO. 50-263
 DATE 12- 2-96
 COMPLETED BY H. H. Paustian
 TELEPHONE 612/295-5151

OPERATING STATUS

| | Notes |
|---|-------|
| 1. Unit Name : Monticello | |
| 2. Reporting period: November | |
| 3. Licensed Thermal Power (MWt): 1670 | |
| 4. Nameplate Rating (Gross MWe): 576.5 | |
| 5. Design Electrical Rating (Net MWe): 552.9 | |
| 6. Maximum Dependable Capacity (Gross MWe): 571.5 | |
| 7. Maximum Dependable Capacity (Net MWe): 543.5 | |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: | |

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 | 720 | 8040 | 222841 |
| 12. Number Of Hours Reactor Was Critical | 696.8 | 6930.3 | 182690.1 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 940.7 |
| 14. Hours Generator On-Line | 673.2 | 6754.3 | 179625.1 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1117083 | 10681815 | 278734604 |
| 17. Gross Electrical Energy Generated (MWH) | 388432 | 3647766 | 94277797 |
| 18. Net Electrical Energy Generated (MWH) | 374440 | 3491368 | 90222740 |
| 19. Unit Service Factor | 93.5% | 84.0% | 80.6% |
| 20. Unit Availability Factor | 93.5% | 84.0% | 80.6% |
| 21. Unit Capacity Factor (Using MDC Net) | 95.7% | 80.4% | 75.5% |
| 22. Unit Capacity Factor (Using DER Net) | 94.1% | 79.0% | 74.2% |
| 23. Unit Forced Outage Rate | 6.5% | 3.7% | 3.4% |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each) None | | | |

25. If Shut Down At End Of Report Period, Estimated Date Of Startup:
 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 12- 2-96
COMPLETED BY H. H. Paustian
TELEPHONE 612/295-5151

MONTH OF November

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | 562. |
| 2 | 563. |
| 3 | 563. |
| 4 | 561. |
| 5 | 562. |
| 6 | 563. |
| 7 | 562. |
| 8 | 562. |
| 9 | 562. |
| 10 | 562. |
| 11 | 562. |
| 12 | 216. |
| 13 | -10. |
| 14 | 223. |
| 15 | 554. |
| 16 | 561. |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 563. |
| 18 | 562. |
| 19 | 562. |
| 20 | 562. |
| 21 | 562. |
| 22 | 563. |
| 23 | 562. |
| 24 | 562. |
| 25 | 563. |
| 26 | 562. |
| 27 | 562. |
| 28 | 560. |
| 29 | 566. |
| 30 | 561. |

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.

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-263
DATE 12- 2-96
COMPLETED BY H. H. Paustian
TELEPHONE 612/295-5151

MONTH _____ NOV _____

11-01-96
to Power operation.
11-12-96

11-12-96 Jumper placed on wrong relay during ECCS actuation logic testing caused dual recirculation pump trip. Procedures required subsequent manual scram to avoid potentially unstable regions of Power-Flow map.

11-13-96 Reactor critical, but spurious turbine lockout delayed successful placing of generator on-line.

11-14-96 Excessive turbine vibrations further delayed successful placing of generator on-line.

11-14-96
to Power operation.
11-30-96

Note: Power operation defined as essentially 100% of rated power except for weekend load drops for specified surveillance testing.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-263

UNIT NAME Monticello

DATE 11-02-96

COMPLETED BY H. H. Paustian

TELEPHONE 612/295-5151

REPORT MONTH November

| No. | Date | Type (1) | Duration (hours) | Reason (2) | Method of Shutdown (3) | LER No. | System Code (4) | Comp. Code (5) | Cause & Corrective Action to Prevent Recurrence |
|-----|----------|-------------|---------------------|---------------|---------------------------------|------------|-----------------------|----------------------|--|
| 11 | 11-12-96 | F | 32.7 | G | 2 | 96-011 | B0 | RLY | During test of ECCS actuation logic, jumper was placed on wrong relay, causing dual recirc pump trip. Procedures required subsequent manual scram. |
| 12 | 11-13-96 | F | 5.6 | A | 4 | N/A | TA | 86 | Spurious turbine lockout received shortly after placing generator on-line. No other root cause determined. |
| 13 | 11-14-96 | F | 8.5 | A | 4 | N/A | TA | TRB | Vibration problems during turbine roll after lock-out required generator be taken off-line again and turbine cooled prior to restart. |

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulator 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
Draft IEEE Standard
805-1984(P805-D5)

5
IEEE Standard 803A-1983