

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-263

Unit Monticello

Completed by A. L. Myrabo

Date September 5, 1978

MONTH August

8/01/78 Unit off line from 7/29/78 shutdown. Outage extended due to high reactor water conductivity.

8/01/78  
to  
8/08/78 Power operation.

8/09/78 Reactor scram. Oscillating mechanical pressure regulator resulted in APRM high flux scram.

8/10/78  
to  
8/23/78 Power operation.

8/24/78 Reactor scram. LPRM power supply failure resulted in APRM high flux scram.

8/25/78  
to  
8/31/78 Power operation

NOTE: The unit load-followed on 7 days in this period.

7809150482

# OPERATING DATA REPORT

DOCKET NO. 50-263  
 DATE 9-5-78  
 COMPLETED BY A. L. Myrabo  
 TELEPHONE 612/295-5151

## OPERATING STATUS

- |   | Notes |
|---|-------|
| 1. Unit Name : _____ Monticello   |       |
| 2. Reporting period: _____ AUGUST   |       |
| 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: _____ N/A _____ |       |
| 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  | _____ 744     | _____ 5831    | _____ 62856    |
| 12. Number Of Hours Reactor Was Critical                                       | _____ 725.9   | _____ 5587.9  | _____ 50756.3  |
| 13. Reactor Reserve Shutdown Hours   | _____ 0.0     | _____ 0.0     | _____ 940.7    |
| 14. Hours Generator On-Line  | _____ 709.2   | _____ 5519.5  | _____ 49296.9  |
| 15. Unit Reserve Shutdown Hours  | _____ 0.0     | _____ 0.0     | _____ 0.0      |
| 16. Gross Thermal Energy Generated (MWH)                                       | _____ 1067938 | _____ 8578993 | _____ 82233567 |
| 17. Gross Electrical Energy Generated (MWH)                                    | _____ 359660  | _____ 2913670 | _____ 25286360 |
| 18. Net Electrical Energy Generated (MWH)                                      | _____ 341310  | _____ 2792406 | _____ 24168780 |
| 19. Unit Service Factor  | _____ 95.3%   | _____ 94.7%   | _____ 78.4%    |
| 20. Unit Availability Factor   | _____ 95.3%   | _____ 94.7%   | _____ 78.4%    |
| 21. Unit Capacity Factor (Using MDC Net)                                       | _____ 85.6%   | _____ 89.3%   | _____ 71.7%    |
| 22. Unit Capacity Factor (Using DER Net)                                       | _____ 84.1%   | _____ 87.8%   | _____ 70.5%    |
| 23. Unit Forced Outage Rate  | _____ 4.7%    | _____ 3.0%    | _____ 7.5%     |
| 24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each) |               |               |                |
| Refueling Outage, October 14, 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 9- 5-78\_\_\_\_\_  
 COMPLETED BY A. L. Myrabo\_\_\_\_\_  
 TELEPHONE 612/295-5151

MONTH \_\_\_\_\_AUGUST \_\_\_\_\_

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

|    |                 |
|----|-----------------|
| 1  | _____ 34 _____  |
| 2  | _____ 327 _____ |
| 3  | _____ 448 _____ |
| 4  | _____ 470 _____ |
| 5  | _____ 413 _____ |
| 6  | _____ 467 _____ |
| 7  | _____ 519 _____ |
| 8  | _____ 539 _____ |
| 9  | _____ 285 _____ |
| 10 | _____ 342 _____ |
| 11 | _____ 512 _____ |
| 12 | _____ 531 _____ |
| 13 | _____ 430 _____ |
| 14 | _____ 534 _____ |
| 15 | _____ 527 _____ |
| 16 | _____ 537 _____ |

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

|    |                 |
|----|-----------------|
| 17 | _____ 535 _____ |
| 18 | _____ 536 _____ |
| 19 | _____ 395 _____ |
| 20 | _____ 493 _____ |
| 21 | _____ 519 _____ |
| 22 | _____ 534 _____ |
| 23 | _____ 537 _____ |
| 24 | _____ 362 _____ |
| 25 | _____ 370 _____ |
| 26 | _____ 532 _____ |
| 27 | _____ 541 _____ |
| 28 | _____ 532 _____ |
| 29 | _____ 441 _____ |
| 30 | _____ 505 _____ |
| 31 | _____ 475 _____ |

## 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 August

DOCKET NO. 50-263  
 UNIT NAME Monticello  
 DATE Sept. 5, 1978  
 COMPLETED BY A. L. Myrabo  
 TELEPHONE 612/295-5151

| No. | Date    | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence                                   |
|-----|---------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 11  | 8-1-78  | F                 | 17.8                | A                   | 4  | LER-78-14                     | RB                          | VALVOP                         | Continuation of 7-29-78 outage. Outage extended due to high reactor water conductivity. |
| 12  | 8-9-78  | F                 | 9.5                 | H                   | 3  | N/A                           | CC                          | INSTRU-C                       | Oscillating mechanical pressure regulator caused APRM high flux scram.                  |
| 13  | 8-13-78 | S                 | 0                   | H                   | 4  | N/A                           | ZZ                          | ZZZZZZ                         | Load following per system dispatcher.   |
| 14  | 8-19-78 | S                 | 0                   | B                   | 4  | N/A                           | ZZ                          | ZZZZZZ                         | Weekly surveillance and preconditioning after rod adjustment.                           |
| 15  | 8-24-78 | F                 | 7.5                 | A                   | 3  | N/A                           | 1A                          | INSTRU-E                       | APRM high flux scram caused by LPRM power supply failure. Power supply replaced.        |

<sup>1</sup>  
 F - Forced  
 S - Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup> Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NU REG-  
 0161)

<sup>5</sup> Exhibit I - Same Source