

# NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.	<u>50-263</u>
UNIT	<u>Monticello</u>
DATE	<u>11-03-78</u>
COMPLETED BY	<u>A. L. Myrabo</u>
TELEPHONE	<u>612/295-5151</u>

MONTH October

10/01/78 Continuation of 9/29/78 power reduction to 60% to  
to repair feedwater pump.  
10/04/78

10/07/78 Reactor scram on turbine lock-out caused by loss of  
excitation during a large system voltage - amperage  
swing.

10/08/78  
to Power operation.  
10/13/78

10/14/78  
to Shutdown for refueling.  
10/31/78

The following safety related corrective maintenance was performed during the month (refueling).

Rebuilt and changed out 8 reactor relief valves.

Rebuilt and changed out 20 control rod drives (CRDs).

Rebuilt 3 scram discharge solenoid valves.

Replaced diaphragms in scram pilot valves on 35 CRD hydraulic control units (HCUs).

Replaced water accumulator on one CRD HCU.

Repaired two main steam isolation valves.

Replaced 14 LPRM strings.

Replaced 8 torus-drywell vacuum breaker bushings.

Repaired one recirculation pump seal.

Disassembled and repaired one RHR heat exchanger.

Discharged 204 spent fuel assemblies & inserted 112 new fuel assemblies.

Reinserted 92 previously irradiated fuel assemblies.

In addition, a number of significant design changes are being pursued and will be reported as required.

78 1116 2117

SPENT FUEL STORAGE UPDATE

Fuel assemblies in the core	484
Fuel assemblies in the spent fuel storage pool	728
Licensed spent fuel storage capacity	2237*
Date of last refueling that can be discharged with present capacity - January, 1984	

\* Phase 1 expansion to 1296 is completed.

# OPERATING DATA REPORT

DOCKET NO. 50-263  
 DATE 11- 3-78  
 COMPLETED BY A. L. Myrabo  
 TELEPHONE 612/295-5151

## OPERATING STATUS

1. Unit Name : \_\_\_\_\_ Monticello
2. Reporting period: \_\_\_\_\_ OCTOBER
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

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	_____ 745	_____ 7296	_____ 64321
12. Number Of Hours Reactor Was Critical	_____ 306.6	_____ 6614.5	_____ 51782.9
13. Reactor Reserve Shutdown Hours	_____ 0.0	_____ 0.0	_____ 940.7
14. Hours Generator On-Line	_____ 300.7	_____ 6540.2	_____ 50317.6
15. Unit Reserve Shutdown Hours	_____ 0.0	_____ 0.0	_____ 0.0
16. Gross Thermal Energy Generated (MWH)	_____ 398796	_____ 10084482	_____ 83739056
17. Gross Electrical Energy Generated (MWH)	_____ 135260	_____ 3426260	_____ 25798950
18. Net Electrical Energy Generated (MWH)	_____ 128820	_____ 3282236	_____ 24658610
19. Unit Service Factor	_____ 40.4%	_____ 89.6%	_____ 78.2%
20. Unit Availability Factor	_____ 40.4%	_____ 89.6%	_____ 78.2%
21. Unit Capacity Factor (Using MDC Net)	_____ 32.3%	_____ 83.9%	_____ 71.5%
22. Unit Capacity Factor (Using DER Net)	_____ 31.7%	_____ 82.5%	_____ 70.3%
23. Unit Forced Outage Rate	_____ 3.3%	_____ 2.7%	_____ 7.3%
24. Shutdowns Scheduled Over Next 12 Months (Type, Date, and Duration of Each)	Refueling Outage, October 14, 1978, 32 Days		

25. If Shut Down At End Of Report Period, Estimated Date Of Startup: \_\_\_\_\_ 11/14/78
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  
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 DATE 11-3-78  
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 TELEPHONE 612/295-5151

MONTH OCTOBER

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	314
2	313
3	317
4	318
5	482
6	536
7	310
8	374
9	545
10	543
11	536
12	537
13	335
14	-4
15	-3
16	-3

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

17	-3
18	-3
19	-2
20	-2
21	-1
22	-2
23	-1
24	-1
25	-2
26	-1
2	-1
28	-2
29	-1
30	-2
31	0

## 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 October

DOCKET NO. 50-263  
 UNIT NAME Monticello  
 DATE 11-03-78  
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 TELEPHONE 612/295-5151

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report =	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
16	10-1-78	F	0	A	1	N/A	CH	Pump XX-B	Continuation of 9-29-78 outage Feed-water pump shaft failure replaced shaft.
17	10-7-78	F	10.3	H	3	NA	ED	GENERA-X	Reactor scram on turbine lockout caused by loss of excitation during large system voltage - amperage swing.
18	10-13-78	S	431.5	C	1	N/A	ZZ	ZZZZZZZZ	Refueling Outage

<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 (NUREG-  
 0161)

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