

MAINE YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 82-1

FOR THE MONTH OF JANUARY, 1982

8203230716 820211  
PDR ADOCK 05000309  
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# OPERATING DATA REPORT

DOCKET NO. 50-309  
 DATE 820211  
 COMPLETED BY A. E. Doyle  
 TELEPHONE 617-872-8100-X2390

## OPERATING STATUS

1. Unit Name: Maine Yankee
2. Reporting Period: January, 1982
3. Licensed Thermal Power (MWt): 2630
4. Nameplate Rating (Gross MWe): 864
5. Design Electrical Rating (Net MWe): 825
6. Maximum Dependable Capacity (Gross MWe): 850
7. Maximum Dependable Capacity (Net MWe): 810
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

### Notes

Power level restricted by steam flow through #1 low pressure turbine.

9. Power Level To Which Restricted, If Any (Net MWe): 835 MWe (≈97%)
10. Reasons For Restrictions, If Any: See notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.00</u>	<u>744.00</u>	<u>          </u>
12. Number Of Hours Reactor Was Critical	<u>744.00</u>	<u>744.00</u>	<u>65,652.64</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>744.00</u>	<u>744.00</u>	<u>63,454.63</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,888,681.00</u>	<u>1,888,681.00</u>	<u>137,981,911.00</u>
17. Gross Electrical Energy Generated (MWH)	<u>613,820.00</u>	<u>613,820.00</u>	<u>45,283,570.00</u>
18. Net Electrical Energy Generated (MWH)	<u>585,449.00</u>	<u>585,449.00</u>	<u>43,028,715.00</u>
19. Unit Service Factor	<u>100.00</u>	<u>100.00</u>	<u>78.43</u>
20. Unit Availability Factor	<u>100.00</u>	<u>100.00</u>	<u>78.43</u>
* 21. Unit Capacity Factor (Using MDC Net)	<u>97.15</u>	<u>97.15</u>	<u>68.30</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.38</u>	<u>95.38</u>	<u>66.21</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>0.00</u>	<u>6.92</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup:                                 

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>          </u>	<u>          </u>
INITIAL ELECTRICITY	<u>          </u>	<u>          </u>
COMMERCIAL OPERATION	<u>          </u>	<u>          </u>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-309  
UNIT Maine Yankee  
DATE 820211  
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MONTH JANUARY, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>794</u>
2	<u>790</u>
3	<u>793</u>
4	<u>793</u>
5	<u>792</u>
6	<u>787</u>
7	<u>793</u>
8	<u>793</u>
9	<u>791</u>
10	<u>789</u>
11	<u>789</u>
12	<u>797</u>
13	<u>791</u>
14	<u>793</u>
15	<u>790</u>
16	<u>753</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>795</u>
18	<u>792</u>
19	<u>788</u>
20	<u>792</u>
21	<u>794</u>
22	<u>790</u>
23	<u>797</u>
24	<u>781</u>
25	<u>791</u>
26	<u>790</u>
27	<u>790</u>
28	<u>737</u>
29	<u>749</u>
30	<u>791</u>
31	<u>792</u>

## 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 JANUARY, 1982DOCKET NO. 50-309  
UNIT NAME Maine YankeeDATE 820211COMPLETED BY A.E. DoyleTELEPHONE 617-872-8100-X2390

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
	01/16/82	S	9.8	B	1	NA	HA	VALVEX-C	Load reduction for turbine valve testing.
	01/28/82	F	15.8	B	1	NA	HF	HTEXCH-D	Load reduction to investigate Cl <sup>-</sup> inleakage in condenser bay "A".
	01/29/82	F	11.6	A	1	NA	IC	INSTRU-C	Load reduction to replace CEA #55 timer module subsequent to CEA #55 dropping.

<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

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REPORT MONTH JANUARY, 1982

SUMMARY OF OPERATING EXPERIENCES

The plant was at full power at the beginning of the month.

On January 16th a load reduction to 79% was completed for turbine valve testing. The plant returned to full power on the same day.

On January 28th, a load reduction to 80% was completed to investigate Cl<sup>-</sup> inleakage in condenser bay "A". The plant returned to full power on January 29th.

On January 29th, a load reduction to 82% was completed to replace the CEA #55 timer module. The plant returned to full power on the same day.

The plant was at full power at the end of the month.