

MAINE YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 81-12  
FOR THE MONTH OF DECEMBER, 1981

6211030139 820111  
PDR ADOCK 05000309  
R PDR

**OPERATING DATA REPORT**

DOCKET NO. 50-309  
 DATE 820111  
 COMPLETED BY A. E. Doyle  
 TELEPHONE 617-872-8100-X2390

**OPERATING STATUS**

1. Unit Name: Maine Yankee  
 2. Reporting Period: December, 1981  
 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	744.00	8,760.00	64,908.64
12. Number Of Hours Reactor Was Critical	737.80	7,152.67	64,908.64
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	734.80	6,852.38	62,710.63
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1,759,164.00	16,715,001.00	136,093,230.00
17. Gross Electrical Energy Generated (MWH)	572,050.00	5,467,590.00	44,669,750.00
18. Net Electrical Energy Generated (MWH)	544,770.00	5,211,941.00	42,443,266.00
19. Unit Service Factor	98.76	78.22	78.23
20. Unit Availability Factor	98.76	78.22	78.23
21. Unit Capacity Factor (Using MDC Net)	90.40	73.45	68.03
22. Unit Capacity Factor (Using DER Net)	88.75	72.12	65.94
23. Unit Forced Outage Rate	1.24	2.89	7.00
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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**AVERAGE DAILY UNIT POWER LEVEL**

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DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	792	17	290
2	789	18	628
3	794	19	794
4	666	20	348
5	731	21	696
6	794	22	789
7	710	23	791
8	714	24	787
9	705	25	789
10	786	26	790
11	790	27	789
12	792	28	795
13	791	29	793
14	793	30	793
15	790	31	794
16	670		

**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.

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REPORT MONTH DECEMBER, 1981

SUMMARY OF OPERATING EXPERIENCES

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

On December 4th, a load reduction to 75% was completed to investigate Cl<sup>-</sup> inleakage in condenser bay "C". The plant returned to full power on December 5th.

On December 7th, a load reduction to 80% was completed to investigate Cl<sup>-</sup> levels in the steam generators. The plant returned to full power on December 8th.

On December 9th, a load reduction to 80% was completed to investigate Cl<sup>-</sup> inleakage in condenser bay "A". The plant returned to full power on the same day.

On December 16th, a load reduction was initiated to investigate Cl<sup>-</sup> inleakage in condenser bay "A". While at reduced power a loss of vacuum occurred as a result of air ejector overheating. A manual plant trip was initiated by the operators. The plant returned to full power on December 17th.

On December 20th, a load reduction to 15% was completed to repair leakage on #2 steam generator manway cover. The plant returned to full power on December 21st.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

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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
	12/4/81 to 12/5/81	F	33.25	B	1	NA	HF	HTEXCH-D	Load reduction to investigate Cl <sup>-</sup> leakage in condenser bay "A". Load reduction to investigate Cl <sup>-</sup> levels in steam generators. Load reduction to investigate Cl <sup>-</sup> leakage in condenser bay "A". Load reduction to investigate Cl <sup>-</sup> leakage in condenser bay "A". Loss of vacuum due to air ejector overheating. Manual trip initiated by operators. Load reduction conducted to repair leak on #2 steam generator manway cover.
	12/7/81 to 12/8/81	F	35.4	B	1	NA	HB	HTEXCH-F	
	12/9/81	F	18.8	B	1	NA	HF	HTEXCH-D	
	12/16/81 to 12/17/81	F	34.8	B	1	NA	HF	HTEXCH-D	
	12/17/81	F	9.2	A	2	NA	HD		
	12/20/81 to 12/21/81	F	19	B	1	NA	CB	HTEXCH-F	

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

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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

(1/77)