

YANKEE ATOMIC NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 79-12  
FOR THE MONTH OF DECEMBER, 1979

# OPERATING DATA REPORT

DOCKET NO. 50-29  
DATE 800110  
COMPLETED BY R. M. Slogren  
TELEPHONE (617) 366-9011  
X2281

## OPERATING STATUS

1. Unit Name: Yankee Rowe
2. Reporting Period: December 1979
3. Licensed Thermal Power (MWt): 600
4. Nameplate Rating (Gross MWe): 185
5. Design Electrical Rating (Net MWe): 175
6. Maximum Dependable Capacity (Gross MWe): 180
7. Maximum Dependable Capacity (Net MWe): 175
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None.
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	8,760	-
12. Number Of Hours Reactor Was Critical	744	7,169.75	138,364.65
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744	7,149.61	134,027.61
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	435,186	4,174,777	71,748,322.11
17. Gross Electrical Energy Generated (MWH)	138,205	1,311,205.2	22,072,153.2
18. Net Electrical Energy Generated (MWH)	129,919.199	1,232,262.668	20,666,143.33
19. Unit Service Factor	100.0	81.6	79.9
20. Unit Availability Factor	100.0	81.6	79.9
21. Unit Capacity Factor (Using MDC Net)	99.8	80.4	73.1
22. Unit Capacity Factor (Using DER Net)	99.8	80.4	73.1
23. Unit Forced Outage Rate	0.0	2.4	1.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Unscheduled outage to install voltage regulators on the two incoming lines from the high lines and to make TMI modifications January 19, 1980--3 weeks.

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

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

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MONTH December 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>174.9</u>
2	<u>174.9</u>
3	<u>174.8</u>
4	<u>174.9</u>
5	<u>174.9</u>
6	<u>174.9</u>
7	<u>167.5</u>
8	<u>174.9</u>
9	<u>174.9</u>
10	<u>174.9</u>
11	<u>174.9</u>
12	<u>174.8</u>
13	<u>174.8</u>
14	<u>174.9</u>
15	<u>174.9</u>
16	<u>174.9</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>174.9</u>
18	<u>174.8</u>
19	<u>174.8</u>
20	<u>174.8</u>
21	<u>174.8</u>
22	<u>174.8</u>
23	<u>174.9</u>
24	<u>174.8</u>
25	<u>174.8</u>
26	<u>174.8</u>
27	<u>174.8</u>
28	<u>174.8</u>
29	<u>174.9</u>
30	<u>174.9</u>
31	<u>174.9</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

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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
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<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

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REPORT MONTH December 1979

SUMMARY OF OPERATING EXPERIENCES

12/7      At 1100 hours a load reduction was begun to conduct turbine throttle and control valve exercises. At 1350 hours the valve exercise was commenced. The evolutions were completed at 1445 hours and load escalation was started. At 1730 hours the plant was again at full load.