

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 78-4

FOR THE MONTH OF APRIL, 1978

8011060 JJJ

OPERATING DATA REPORT

DOCKET NO. 50-29  
 DATE 780508  
 COMPLETED BY R.M. Sjogren  
 TELEPHONE (617)366-9011  
 x.218

OPERATING STATUS

1. Unit Name: Yankee Rowe
2. Reporting Period: Apr. 11 1978
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 Clocks advanced one hour on 4-30-78 to establish daylight savings time.

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	719	2,879	-
12. Number Of Hours Reactor Was Critical	719	2,720.79	126,713.97
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	719	2,704	122,488.13
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	429,845.8	1,608,124.1	65,023,763.01
17. Gross Electrical Energy Generated (MWH)	132,181.2	496,429.5	19,986,776.2
18. Net Electrical Energy Generated (MWH)	124,314.2	466,729.2	18,707,231.1
19. Unit Service Factor	100.0	93.9	80.0
20. Unit Availability Factor	100.0	100.0	not available
21. Unit Capacity Factor (Using MDC Net)	98.0	92.6	72.4
22. Unit Capacity Factor (Using DER Net)	98.0	92.6	72.4
23. Unit Forced Outage Rate	0.0	5.6	1.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling October 20, 1978 For 6 weeks.

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 | _____    | _____    |

POOR ORIGINAL

AVERAGE DAILY UNIT POWER LEVEL

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MONTH April 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>174</u>	17	<u>173.3</u>
2	<u>166.6</u>	18	<u>173.3</u>
3	<u>173.7</u>	19	<u>172.8</u>
4	<u>173.9</u>	20	<u>172.9</u>
5	<u>173.9</u>	21	<u>173.3</u>
6	<u>173.8</u>	22	<u>173.2</u>
7	<u>173.4</u>	23	<u>173.2</u>
8	<u>173.1</u>	24	<u>173.1</u>
9	<u>173.3</u>	25	<u>173.2</u>
10	<u>173.3</u>	26	<u>173.1</u>
11	<u>173.5</u>	27	<u>173.0</u>
12	<u>173.4</u>	28	<u>172.9</u>
13	<u>173.3</u>	29	<u>172.9</u>
14	<u>173.2</u>	30	<u>167.6</u>
15	<u>173.3</u>	31	<u>          </u>
16	<u>173.3</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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REPORT MONTH April 1978

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
4	4/2/78	S	6.2	B	N/A	N/A	N/A	N/A	Throttle/Control Valve Exercise
5	4/30/78	S	6.4	B	N/A	N/A	N/A	N/A	Repacked No. 1 Boiler Feed Pump (P-1-1)

POOR ORIGINAL

<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 April 1978

SUMMARY OF OPERATING EXPERIENCES

- 4/2 At 0100 hours a load reduction was commenced to conduct a throttle valve exercise. At 0400 hours plant load was 140 MWe and the valve exercise was begun. At 0500 hours the valve exercise was completed and power escalation began. At 0710 hours the plant returned to full power operation.
- 4/30 At 0905 hours a load reduction was commenced to repack No. 1 Boiler Feed Pump (P-1-1). At 1020 hours plant load was  $\approx$  160 MWe and repacking of the pump began. At 1420 hours the pump was repacked and power escalation began. At 1530 hours the plant returned to full power operation.

B 5/15/78

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50-929

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4

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POOR ORIGINAL