

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 83-01

FOR THE MONTH OF JANUARY, 1983

8303150556 830207
PDR ADOCK 05000029
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-29
 DATE 830207
 COMPLETED BY S. Batterson
 TELEPHONE 617-872-8100

OPERATING STATUS

1. Unit Name: Yankee Rowe
 2. Reporting Period: January, 1983
 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): _____
 10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.00</u>	<u>744.00</u>	
12. Number Of Hours Reactor Was Critical	<u>719.67</u>	<u>719.67</u>	<u>154,180.02</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>708.28</u>	<u>708.28</u>	<u>149,617.88</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>407,142.00</u>	<u>407,142.00</u>	<u>80,599,954.52</u>
17. Gross Electrical Energy Generated (MWH)	<u>125,689.60</u>	<u>125,689.60</u>	<u>24,416,572.90</u>
18. Net Electrical Energy Generated (MWH)	<u>117,822.76</u>	<u>117,822.76</u>	<u>22,843,077.47</u>
19. Unit Service Factor	<u>95.20</u>	<u>95.20</u>	<u>76.81</u>
20. Unit Availability Factor	<u>95.20</u>	<u>95.20</u>	<u>76.81</u>
21. Unit Capacity Factor (Using MDC Net)	<u>90.49</u>	<u>90.49</u>	<u>68.97</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.49</u>	<u>90.49</u>	<u>68.97</u>
23. Unit Forced Outage Rate	<u>4.80</u>	<u>4.80</u>	<u>5.01</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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-29

UNIT Yankee Rowe

DATE 830207

COMPLETED BY S. Batterson

TELEPHONE 617-872-8100

MONTH January 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>164.8</u>	17	<u>170.0</u>
2	<u>164.8</u>	18	<u>174.2</u>
3	<u>164.6</u>	19	<u>13.0</u>
4	<u>164.5</u>	20	<u>67.4</u>
5	<u>164.6</u>	21	<u>167.3</u>
6	<u>164.6</u>	22	<u>174.1</u>
7	<u>164.7</u>	23	<u>173.7</u>
8	<u>166.0</u>	24	<u>173.6</u>
9	<u>166.0</u>	25	<u>173.8</u>
10	<u>165.9</u>	26	<u>173.6</u>
11	<u>166.0</u>	27	<u>173.7</u>
12	<u>167.4</u>	28	<u>173.7</u>
13	<u>173.1</u>	29	<u>173.7</u>
14	<u>174.0</u>	30	<u>173.5</u>
15	<u>135.3</u>	31	<u>173.5</u>
16	<u>114.2</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

DOCKET NO. 50-29
 UNIT NAME Yankee Rowe
 DATE 820307
 COMPLETED BY S. Batterson
 TELEPHONE 617-872-8100

REPORT MONTH January 1983

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
83-1	1/15/83	F	5.97	H*	1	N/A	N/A	N/A	N/A
83-2	1/19/83	F	21.05	H**	3	N/A	N/A	N/A	N/A
83-3	1/20/83	F	8.70	G***	3	N/A	N/A	N/A	N/A
<p>*NOTE: Load reduced and turbine tripped manually (reactor remained critical) to allow VC inspection for suspected valve stem leak in the loop areas.</p> <p>**NOTE: Electrical ground in #1 vital bus during I&O testing caused low main coolant flow trip.</p> <p>***NOTE: While increasing load from Jan. 19 scram recovery, main coolant system was over-borated, causing reduction in reactivity, drop in MCS temp., MCS shrink, and finally a reactor trip on low main coolant pressure.</p>									

1
 F: Forced
 S: Scheduled

2
 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)

3
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

4
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
 Exhibit I - Same Source

DOCKET NO. 50-29
UNIT Yankee Rowe
DATE 830207
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TELEPHONE 617-872-8100

REPORT MONTH January 1983

SUMMARY OF OPERATING EXPERIENCES

1/15/83, 1510: started load reduction in order to inspect VC
loop areas for suspected valve stem leak.
2030: manual turbine trip, reactor remained critical.

1/16/83, 0228: generator phased to line
0302: started load increase
1240: plant reached reduced power limit of 575.1 MWT
(must hold for 24 hrs.)

1/17/83, 1240: started load increase
1330: plant at full load

1/19/83, 0145: reactor scram due to low main coolant flow
(caused by electrical ground on #1 vital bus)
2000: reactor critical
2248: generator phased to line

1/20/83, 0054: reactor scram due to low MCS pressure (caused
by over-boration)
0659: reactor critical
0936: generator phased to line
1010: started load increase
2115: plant at reduced power limit of 575.1 MWT
(must hold for 24 hrs.)

1/21/83, 2115: started load increase
2210: plant at full load