YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 78-12

FOR THE MONTH OF DECEMBER, 1978

7901170249

OPERATING DATA REPORT

DOCKET NO. 50-29
DATE 790112
COMPLETED BY R. M. Sjogren
TELEPHONE (617) 366-9011 X2281

OPERATING STATUS

1. Unit Name: YANKEE ROWE
2. Reporting Period: December 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: Power limited by TS 3-2-1 otherwise no license limit other than 600 MWt.

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	8,760	-
12. Number Of Hours Reactor Was Critical	326.5	7,197.12	131,190.9
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	244.13	7,093.89	126,878.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	109,260.0	4,157,906.2	67,573,545.11
17. Gross Electrical Energy Generated (MWH)	33,979.7	1,270,601.3	20,760,948
18. Net Electrical Energy Generated (MWH)	31,478.258	1,193,378.757	19,433,880.66
19. Unit Service Factor	32.8	80.98	79.8
20. Unit Availability Factor	32.8	80.98	-
21. Unit Capacity Factor (Using MDC Net)	24.2	77.8	72.4
22. Unit Capacity Factor (Using DER Net)	24.2	77.8	72.4
23. Unit Forced Outage Rate	2.4	2.4	1.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None

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
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MONTH December, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0.0	17	0.0
2		18	0.0
3		19	0.0
4		20	0.0
5		21	15
6		22	49
7		23	101
8		24	105
9		25	121
10		26	124
11		27	142
12		28	158
13		29	164
14		30	165
15		31	166
16	0.0		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1978

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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
12	10/21/78	S	493.2	C	1	None	N/A	N/A	Completed Core XIII - XIV refueling and maintenance outage.
13	12/22/78	F	6.05	H	3	None	N/A	N/A	High level turbine moisture separator.

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

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UNIT Yankee Rowe

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REPORT MONTH December, 1978

SUMMARY OF OPERATING EXPERIENCES

12-1 At the beginning of the report period the plant was shutdown for Core XIII - XIV refueling shutdown.

12-17 1050 hours - Reactor critical, low power physics testing.

12-21 1349 hours - Low power physics testing completed, turbine generator phased to the high lines. Zero to full power physics testing.

1700 hours - Plant load @ 150 MWt - Physics testing.

1900 hours - Increasing load physics testing completed.

12-22 0113 hours - Turbine trip and reactor scram - high level turbine moisture separator.

0716 hours - Turbine generator phased to the high lines.

0930 hours - Holding load at 50 MWe due to heater drain tank level control problem*.

1145 hours - Commenced load increase and 2230 plant load at 360 MWt.

12-26 0930 hours - Commenced load increase to 533 MWt.

12-28 0700 hours - Plant load @ 533 MWt.

1445 hours - Commenced plant load increase to 562 MWt.

12-29 0045 hours - Plant at full allowable load of 562 MWt.

0814 hours - Commenced load reduction to 160 MWe, problems with No. 1 heater drain pump.

1030 hours - Plant load at 160 MWe, #1 heater drain pump isolated - leakage.

1110 hours - No. 1 heater drain pump packing added, commenced load increase.

* Level control valve improper operations.

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REPORT MONTH December, 1978

SUMMARY OF OPERATING EXPERIENCES

12-29 (continued)

1225 hours - Plant load at full allowable power 562 MWt.

12-30 0130 hours - Commenced load reduction to 160 MWe to check grounds, on No. 1 heater drain pump.

0230 hours - Plant load @ 160 MWe.

0240 hours - No ground on No. 1 heater drain pump, commenced load increase to 562 MWt. Ground was traced to the overhead crane - PCA storage building.

0415 hours - Plant @ full allowable power level of 562 MWt.