

# Maine Yankee

RELIABLE ELECTRICITY FOR MAINE SINCE 1972

EDISON DRIVE • AUGUSTA, MAINE 04330 • (207) 622-4868

February 11, 1993  
MN-93-14                      JRH-93-26

UNITED STATES NUCLEAR REGULATORY COMMISSION  
Attention: Document Control Desk  
Washington, DC 20555

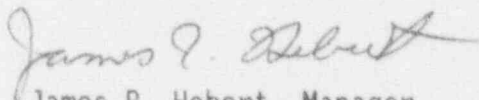
References:     (a) License No. DPR-36 (Docket No. 50-309)  
                  (b) NUREG-0020, Licensed Operating Reactor Status Summary Report

Subject: Maine Yankee Monthly Statistical Report - January 1993

Gentlemen:

Enclosed please find the Monthly Statistical Report for the Maine Yankee Atomic Power Station for January 1993. Please contact me should you have any further questions.

Very truly yours,



James R. Hebert, Manager  
Licensing & Engineering Support Department

SJB/jag

Enclosure

c: Mr. Thomas T. Martin  
Mr. Charles S. Marschall  
Mr. E. H. Trottier  
Mr. Patrick J. Dostie

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# OPERATING DATA REPORT

Docket No.: 50-309  
 Date: 11/Feb/93  
 Completed By: S. J. BAILEY  
 Telephone: 207-622-4868

1. Unit Name..... Maine Yankee  
 2. Reporting Period..... January 1993  
 3. Licensed Thermal Power (MWt)..... 2700  
 4. Nameplate Rating (Gross MWe)..... 92  
 5. Design Electrical Rating (Net MWe)..... 870  
 6. Maximum Dependable Capacity (Gross MWe)..... 900  
 7. Maximum Dependable Capacity (Net MWe)..... 860  
 8. If Changes in Capacity Ratings (Items Number 3-7)  
 Since Last Report, Give Reasons:  
NO CHANGES

9. Power Level to Which Restricted, if Any (Net MWe) \_\_\_\_\_  
 10. Reasons for Restrictions, if Any:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. Hours In Reporting Period	<u>744.00</u>	<u>744.00</u>	
12. Number of Hours Reactor Was Critical.....	<u>744.00</u>	<u>744.00</u>	<u>142,509.21</u>
13. Reactor Reserve Shutdown Hours.....	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-line..	<u>718.90</u>	<u>718.90</u>	<u>138,348.93</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>1,847,550.00</u>	<u>1,847,550.00</u>	<u>325,000,473.00</u>
17. Gross Electrical Energy Generated (MWH).....	<u>617,660.00</u>	<u>617,660.00</u>	<u>106,915,120.00</u>
18. Net Electrical Energy Generated (MWH).....	<u>597,833.00</u>	<u>597,833.00</u>	<u>102,509,805.00</u>
19. Unit Service Factor.....	<u>96.63</u>	<u>96.63</u>	<u>78.05</u>
20. Unit Availabilty Factor..	<u>96.63</u>	<u>96.63</u>	<u>78.05</u>
21. Unit Capacity Factor (Using MDC Net).....	<u>93.43</u>	<u>93.43</u>	<u>72.04</u>
22. Unit Capacity Factor (Using DER Net).....	<u>92.36</u>	<u>92.36</u>	<u>70.43</u>
23. Unit Forced Outage Rate..	<u>3.37</u>	<u>3.37</u>	<u>7.38</u>

24. Shutdowns Scheduled Over Next 6 Months: NONE

25. If Shutdown at End of Report Period, Estimated Date of Startup: N/A

Docket No: 50-309  
Unit Name: Maine Yankee  
Date: 021193  
Completed By: S.J. Bailey  
Telephone: 207-622-4868

Report Month: January, 1993

#### NARRATIVE SUMMARY OF OPERATING EXPERIENCES

At the beginning of the month, the unit was operating at 100% power.

On January 3, the unit was manually shutdown to replace failing bearing on the generator leads cooling fan.

On January 4, repairs were completed on the generator leads cooling fan and the unit phased on line.

On January 6, the unit was reduced to 70% due to problems with heater drain pump discharge control valve.

On January 9, the unit reached 100% power.

On January 12, the unit was reduced to 78% due to large amounts of grass and seaweed partially blocking the circulating water intake rack and traveling water screens.

On January 13, the unit reached 100% power.

On January 31, the unit commenced a power reduction to investigate increased vibration levels on Reactor Coolant Pump #3.

At the end of the month, the unit was operating at 48% power.

AVERAGE DAILY UNIT POWER LEVEL  
FOR JANUARY 1993

Docket No.: 50-309  
Unit: Maine Yankee  
Date: 12/Feb/93  
Completed By: S. J. BAILEY  
Telephone: 207-622-4868

Day Avg. Daily Power Level  
(MWe-Net)

1	883
2	882
3	794
4	2
5	355
6	658
7	551
8	726
9	881
10	880
11	881
12	778
13	879
14	881
15	882

Day Avg. Daily Power Level  
(MWe-Net)

16	881
17	881
18	881
19	880
20	881
21	881
22	880
23	882
24	881
25	884
26	880
27	883
28	880
29	883
30	881
31	778

UNIT SHUTDOWNS AND POWER REDUCTIONS  
FOR JANUARY 1993

Docket No.: 50-309  
Unit: Maine Yankee  
Date: 12/Feb/93  
Completed By: S. J. BAILEY  
Telephone: 207-622-4868  
Page: 1 of 2

Number	07-93-13	L.R. to 70%	L.R. to 78%
Date	930103	930106	930112
Type (1)	F	F	F
Duration (Hours)	25.1	0	0
Reason (2)	A	A	B
Method (3)	1	4	4
LER #	N/A	N/A	N/A
System Code (4)	HA	HH	HF
Component Code (5)	GENERA-X	VALVEX-F	HTEXCH-D
Cause and Corrective Action	On January 3, the unit was manually shutdown to replace failing bearing on the generator leads cooling fan. The unit phased on line January 4.	On January 6, the unit was reduced to 70% due to problems with heater drain pump discharge control valve. The unit was returned to 100% power on January 9.	On Jan. 12, unit reduced to 78% due to large amounts of grass and seaweed partially blocking the circulating water intake rack and traveling water screens. The unit reached 100% 1/13.

1. TYPE:  
(F)orced  
(S)cheduled

2. REASON  
A-Equipment Failure  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination

2. REASON: (cont)  
F-Administrative  
G-Operational Error  
H-Other (Explain)

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

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

5. COMPONENT CODE:  
Exhibit I-Same source as above.



UNIT SHUTDOWNS AND POWER REDUCTIONS  
FOR JANUARY 1993

Docket No.: 50-309  
Unit: Maine Yankee  
Date: 12/Feb/92  
Completed By: S. J. BAILEY  
Telephone: 207-622-4868  
Page: 2 of 2

Number	L.R. to 48%		
Date	930131		
Type (1)	F		
Duration (Hours)	0		
Reason (2)	A		
Method (3)	4		
LER #	N/A		
System Code (4)	CB		
Component Code (5)	PUMPXX-B		
Cause and Corrective Action	On January 31, the unit commenced a power reduction to investigate increased vibration levels on Reactor Coolant Pump #3. At the end of the month, the unit was operating at 48% power.		

1. TYPE:  
(F)orced  
(S)cheduled

2. REASON  
A-Equipment Failure  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training &  
License Examination

2. REASON: (cont)  
F-Administrative  
G-Operational Error  
H-Other (Explain)

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

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

5. COMPONENT CODE:  
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as above.