

MAINE YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 79-06  
FOR THE MONTH OF JUNE, 1979

464 280

7907170 118 R

OPERATING DATA REPORT

DO NO. 50-309  
 DATE 790712  
 COMPLETED BY R.M. Siogren  
 TELEPHONE (617) 366-9011  
 X2281

OPERATING STATUS

1. Unit Name: Maine Yankee  
 2. Reporting Period: June 1979  
 3. Licensed Thermal Power (MWt): 2,630  
 4. Nameplate Rating (Gross MWe): 864  
 5. Design Electrical Rating (Net MWe): 825  
 6. Maximum Dependable Capacity (Gross MWe): 850  
 7. Maximum Dependable Capacity (Net MWe): 810  
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes \*Station Service Transformer X-26 is out of service due to a fault on the low side leads. Net electrical power should be approximately 16,000 MWH less than indicated.

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,343	-
12. Number Of Hours Reactor Was Critical	679.83	2,423.4	47,467.06
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	609.58	2,347.59	45,870.76
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,398,605	5,566,054	96,680,415
17. Gross Electrical Energy Generated (MWH)	463,780	1,872,140	31,739,950
18. Net Electrical Energy Generated (MWH)	457,437*	1,800,373	30,088,569
19. Unit Service Factor	84.6	54.1	78.8
20. Unit Availability Factor	84.6	97.1	88.5
21. Unit Capacity Factor (Using MDC Net)	78.4	51.2	67.5
22. Unit Capacity Factor (Using DER Net)	77.0	50.2	65.1
23. Unit Forced Outage Rate	6.5	45.9	7.3

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. 50-309  
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MONTH June 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	832
2	0	18	834
3	0	19	842
4	0	20	841
5	23	21	840
6	122	22	839
7	283	23	840
8	507	24	839
9	704	25	842
10	782	26	840
11	791	27	840
12	803	28	840
13	814	29	836
14	824	30	837
15	830	31	
16	832		

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.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979

DOCKET NO. 50-309  
 UNIT NAME Maine Yankee  
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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
3-79-4	3-15-79 thru 6-5-79	F	1982.7	H	1	79-005/01X-G	XX	SUPPORT-X	Plant shutdown in accordance with NRC Order due to possible inadequacies in the seismic loading calculations for various piping systems.

<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

DOCKET NO. 50-307  
UNIT Maine Yankee  
DATE 790712  
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REPORT MONTH June 1979

SUMMARY OF OPERATING EXPERIENCES

At the beginning of June, Maine Yankee was still shutdown as a result of an NRC Order to Show Cause related to possible inadequacies in computer codes used by Stone and Webster to analyze seismic loads on various safety related systems.

On May 26, 1979 the Show Cause Order was lifted and preparations were made to return to power. In the process of RCS heatup, it became apparent that #2 RCP seal cartridge would require replacement. The plant was cooled down and the seal cartridge was replaced. Plant heatup began again on May 31, 1979.

By June 5, 1979 the plant was ready to phase to the grid and resume power operations. In the process of raising generator voltage in preparation for phasing, a fault occurred on one of the low side leads of Station Service transformer X-26 shorting it to ground. Although there was no damage to the transformer, the leads were burned and will require replacement. The high side leads to X-26 were disconnected from the generator output and the unit was synchronized to the grid at 1425 hours on June 5.

Transformer X-26 provides 6.9 KV power from the generator output to the station busses for operating the RCP's and the main feedwater pumps. With X-26 out of service, the station's 6.9 KV busses are being powered by reserve transformer X-16.

Power escalation continued and on June 16, 1979 Maine Yankee was at essentially full power (~97%) limited to 864 MWe by steam flow considerations through the low pressure turbines. The plant remained at essentially full load for the remainder of the month.