

MAINE YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 81-11  
FOR THE MONTH OF NOVEMBER, 1981

8211030193 811110  
PDR ADOCK 05000309  
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-309  
 DATE 8/12/81  
 COMPLETED BY A. E. Doyle  
 TELEPHONE (617) 872-8100 X2390

OPERATING STATUS

1. Unit Name: Maine Yankee  
 2. Reporting Period: November, 1981  
 3. Licensed Thermal Power (MWt): 2630  
 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

Power level restricted by steam flow through #1 low pressure turbine.

9. Power Level To Which Restricted, If Any (Net MWe): 835 MWe (~97%)  
 10. Reasons For Restrictions, If Any: See notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.00</u>	<u>8,016.00</u>	<u>64,170.84</u>
12. Number Of Hours Reactor Was Critical	<u>720.00</u>	<u>6,414.87</u>	<u>0.00</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>61,975.83</u>
14. Hours Generator On-Line	<u>689.40</u>	<u>6,117.58</u>	<u>0.00</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>1,721,928.00</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,721,928.00</u>	<u>14,955,837.00</u>	<u>134,334,066.00</u>
17. Gross Electrical Energy Generated (MWH)	<u>561,940.00</u>	<u>4,895,540.00</u>	<u>44,097,700.00</u>
18. Net Electrical Energy Generated (MWH)	<u>536,001.00</u>	<u>4,667,171.00</u>	<u>41,898,496.00</u>
19. Unit Service Factor	<u>95.75</u>	<u>76.32</u>	<u>78.04</u>
20. Unit Availability Factor	<u>95.75</u>	<u>76.32</u>	<u>78.04</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.91</u>	<u>71.88</u>	<u>67.82</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.24</u>	<u>70.57</u>	<u>65.73</u>
23. Unit Forced Outage Rate	<u>4.25</u>	<u>3.09</u>	<u>7.07</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. 50-309  
 UNIT Maine Yankee  
 DATE 811210  
 COMPLETED BY A. E. Doyle  
 TELEPHONE (617) 872-8100X2390

MONTH NOVEMBER, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>787</u>	17	<u>752</u>
2	<u>793</u>	18	<u>789</u>
3	<u>791</u>	19	<u>747</u>
4	<u>790</u>	20	<u>789</u>
5	<u>788</u>	21	<u>788</u>
6	<u>739</u>	22	<u>790</u>
7	<u>57</u>	23	<u>790</u>
8	<u>273</u>	24	<u>788</u>
9	<u>793</u>	25	<u>793</u>
10	<u>790</u>	26	<u>790</u>
11	<u>793</u>	27	<u>792</u>
12	<u>790</u>	28	<u>794</u>
13	<u>793</u>	29	<u>791</u>
14	<u>792</u>	30	<u>789</u>
15	<u>792</u>	31	<u>---</u>
16	<u>794</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. 50-309  
 UNIT NAME Maine Yankee  
 DATE 811210  
 COMPLETED BY A. E. Doyle  
 TELEPHONE (617)872-8100 X2390

REPORT MONTH NOVEMBER 1981

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
	11/6/81 to 11/9/81	F	57.5	A	1	NA	CB	HTEXCH-F	Power reduction and unit shutdown conducted to repair leak on #2 Steam Generator manway cover.
	11/17/81 to 11/18/81	F/S	11.4	B	1	NA	HA HF	VALVEX-C HTEXCH-D	Load reduction to investigate Cl <sup>-</sup> inleakage in condenser bay "B" and to perform monthly surveillance testing of the turbine valves.
	11/19/81	F	10.3	B	1	NA	HB	HTEXCH-F	Load reduction to investigate Cl <sup>-</sup> levels in steam generators.

<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. 50-309  
UNIT Maine Yankee  
DATE 811210  
COMPLETED BY A. E. Doyle  
TELEPHONE (617) 872-8100 X2390

REPORT MONTH NOVEMBER, 1981

SUMMARY OF OPERATING EXPERIENCES

The plant was returning to full power at the beginning of the month.

On November 6th a power reduction and unit shutdown was conducted to repair leakage on #2 steam generator manway cover. The plant returned to full power on November 9th.

On November 17th, a power reduction to 75% was completed to investigate Cl<sub>2</sub> inleakage in condenser bay "B" and to conduct monthly turbine valve surveillance testing. The plant returned to full power on November 18th.

On November 19th, a power reduction to 80% was completed to investigate Cl<sub>2</sub> inleakage indications. The plant returned to full power on November 19th and remained there for the rest of the month.