

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 82-07
FOR THE MONTH OF JULY, 1982

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 820813
 COMPLETED BY F.J. Burger
 TELEPHONE (802) 257-7711
 ext. 137

OPERATING STATUS

Notes

1. Unit Name: Vermont Yankee
2. Reporting Period: July
3. Licensed Thermal Power(MWt): 1593
4. Nameplate Rating(Gross MWe): 540
5. Design Electrical Rating(Net MWe): 514(OC) 504 (CC)
6. Maximum Dependable Capacity(Gross MWe): 535
7. Maximum Dependable Capacity(Net MWe): 504
8. If Changes Occur in Capacity Ratings(Items Number 3 Through 7)Since Last Report, Give Reasons:

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>5,087.00</u>	<u> </u>
12. Number Of Hours Reactor Was Critical	<u>744.00</u>	<u>4,952.33</u>	<u>70,030.48</u>
13. Reactor Reserve Shutdown Hourc	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>744.00</u>	<u>4,923.93</u>	<u>67,935.12</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>1,174,004.00</u>	<u>7,701,743.00</u>	<u>97,617,503.50</u>
17. Gross Electrical Energy Generated(MWH)	<u>380,253.00</u>	<u>2,577,994.00</u>	<u>32,449,965.00</u>
18. Net Electrical Energy Generated(MWH)	<u>357,096.00</u>	<u>2,455,006.00</u>	<u>30,771,292.00</u>
19. Unit Service Factor	<u>100.00</u>	<u>96.79</u>	<u>78.60</u>
20. Unit Availability Factor	<u>100.00</u>	<u>96.79</u>	<u>78.60</u>
21. Unit Capacity Factor(Using MDC Net)	<u>95.23</u>	<u>95.75</u>	<u>70.64</u>
22. Unit Capacity Factor(Using DER Net)	<u>93.38</u>	<u>93.89</u>	<u>69.27</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>3.21</u>	<u>6.55</u>

24. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each):
A one week maintenance outage is scheduled to begin August 28, 1982.

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

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UNIT Vermont Yankee

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MONTH July

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	490
2.	489
3.	487
4.	484
5.	489
6.	487
7.	484
8.	481
9.	485
10.	485
11.	479
12.	483
13.	485
14.	485
15.	483
16.	481

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	480
18.	460
19.	477
20.	481
21.	487
22.	485
23.	484
24.	384
25.	480
26.	480
27.	486
28.	484
29.	484
30.	486
31.	485

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

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No.	Date	Typed ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report#	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
82-10	820724	S	0	B	4 (Power Reduc.)	N/A	RB	CONROD	Power reduction for control rod pattern exchange and turbine surveillance.

¹ F: Forced
 S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or 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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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Threaded Pipe Union for PI 23-44 Leaks	Corrective MR 82-0756	N/A	Normal Wear	Leakage	Replaced Union
Main Steam Line "C" Radiation Monitor	Corrective MR 82-0810	Pending	Zero Point Drift	Low Instrument Readings	Reset Zero Point
"B" MG Set Lube Oil Cooler Service Water Outlet Valve V70-22D	Corrective MR 82-0835	N/A	Normal Wear	Leakage	Repacked Valve
"A" SBT Fan, REF-2A	Preventive MR 82-0887	N/A	N/A	N/A	Cleaned and Lubricated Fan Bearings
Service Water Pump P7-1C	Corrective MR 82-0923	N/A	Normal Wear	Leakage	Adjusted Packing

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REPORT MONTH July

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.05% of rated thermal power for the month. Gross electrical generation was 380,253 MWh_e or 94.64% of design electrical capacity.

Operating Summary

The following is a chronological description of plant operations including other pertinent items of interest for the month:

At the beginning of the reporting period the plant was operating at 99.9% of rated thermal power.

820724 At 0100 hours a power reduction was initiated for a control rod pattern adjustment and turbine surveillance.

820724 At 0546 hours a return to full power was initiated.

At the end of the reporting period the plant was operating at 99.9% of rated thermal power.