

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 79-06

FOR THE MONTH OF JUNE, 1979

7907170 152

461 249

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 790712  
 COMPLETED BY R.M. Sjogren  
 TELEPHONE (617) 366-9011  
 X2281

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: June 1979
3. Licensed Thermal Power (MWt): 1593
4. Nameplate Rating (Gross MWe): 540
5. Design Electrical Rating (Net MWe): 514 (open cycle) 504 (closed cycle)
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:

Notes

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	720	4,343	59,378.75
12. Number Of Hours Reactor Was Critical	720	3,935.3	47,825.1
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	720	3,921.8	46,054.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,075,471	6,034,332.7	64,421,150.2
17. Gross Electrical Energy Generated (MWH)	352,110	2,039,422	21,378,890
18. Net Electrical Energy Generated (MWH)	330,009	1,944,524	20,264,047
19. Unit Service Factor	100	90.3	77.6
20. Unit Availability Factor	100	90.3	77.6
21. Unit Capacity Factor (Using MDC Net)	90.9	88.8	67.7
22. Unit Capacity Factor (Using DER Net)	90.9	88.8	67.7
23. Unit Forced Outage Rate	0	0	6.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling September 22 - 6 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 790712

COMPLETED BY R. M. Siogren

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X 2281

MONTH June 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>501</u>	17	<u>473</u>
2	<u>279</u>	18	<u>489</u>
3	<u>352</u>	19	<u>493</u>
4	<u>412</u>	20	<u>492</u>
5	<u>470</u>	21	<u>492</u>
6	<u>488</u>	22	<u>480</u>
7	<u>485</u>	23	<u>463</u>
8	<u>467</u>	24	<u>490</u>
9	<u>479</u>	25	<u>492</u>
10	<u>469</u>	26	<u>448</u>
11	<u>483</u>	27	<u>481</u>
12	<u>493</u>	28	<u>485</u>
13	<u>495</u>	29	<u>488</u>
14	<u>493</u>	30	<u>486</u>
15	<u>490</u>	31	<u>---</u>
16	<u>485</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.

(9/77)

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UNIT SHUTDOWNS AND POWER REDUCTIONS

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No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
79-8	790602	S	0	H	4 (Power Reduction)	- -	RAA	CONROD	H - Control Rod Pattern Exchange
79-9	790608	S	0	H	4 (Power Reduction)	- -	RAA	CONROD	H - Control Rod Pattern Adjustment
79-10	790626	F	0	A	4 (Power Reduction)	- -	CBB	VALVEX	A - "A" Recirc Discharge Valve (V2-53A) was electronically backseated to stop valve leakage.

<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. 50-271UNIT Vermont YankeeDATE 790712COMPLETED BY R. M. SjogrenTELEPHONE (617) 366-9011 X2281SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Fuel pool and reactor building vent radiation monitors	Corrective MR79-332	NA	Failed power supplies	Units tripped	Replaced power supplies
Containment air dilution pressure transmitter PT-VG-4A	Corrective MR79-452	NA	Failed transmitter	No output	Replaced transmitter
HPCI booster pump outboard bearing	Corrective MR79-454	NA	Leakage	Low oil level	Added oil
HPCI booster pump seal water	Corrective MR79-464	NA	Loose fitting	Leakage	Tightened fitting
RCIC flow indicator	Corrective MR79-467	NA	Partially drained reference leg	False flow indications	Filled reference leg

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REPORT MONTH June 1979

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 93.8% of rated thermal power for the month of June, 1979. Gross electrical generation for the month was 352,110 MWh, or 90.6% of design electrical capacity.

Operations Summary

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

- 6-1 At the beginning of the report period, the plant was operating at 99% of rated thermal power.
- 6-2 At 0210 hours power was reduced to 31% to effect a control rod pattern exchange. Power increase to 97% commenced at 1115 hours.
- 6-8 At 2100 hours power was reduced to 68% to effect a control rod pattern adjustment. Power increase to 98% commenced at 0230 hours on 6-9.
- 6-26 At 0857 hours power was reduced to 67% to facilitate a primary containment entry by plant personnel to identify and correct a source of primary coolant leakage. Power increase to 98% commenced at 1155 hours.
- 6-30 At the conclusion of this report period, the plant was operating at 98% of rated thermal power.