

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 84-05
FOR THE MONTH OF May, 1984

8406150004 840531
PDR ADOCK 05000271
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IE 24

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 840610
COMPLETED BY FJ Burger
TELEPHONE 802/257-7711

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: May
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:
N/A

Notes

9. Power Level to Which Restricted, If Any(Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.00</u>	<u>3,647.00</u>	<u>83225.33</u>
12. Number Of Hours Reactor Was Critical	<u>744.00</u>	<u>3,526.68</u>	<u>0.00</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>80988.95</u>
14. Hours Generator On-Line	<u>744.00</u>	<u>3,496.37</u>	<u>0.00</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>117565494.50</u>
16. Gross Thermal Energy Generated(MWH)	<u>1,158,531.50</u>	<u>5,404,815.00</u>	<u>39127936.00</u>
17. Gross Electrical Energy Generated(MWH)	<u>392,170.00</u>	<u>1,834,858.00</u>	<u>37124728.00</u>
18. Net Electrical Energy Generated(MWH)	<u>375,469.00</u>	<u>1,759,712.00</u>	<u>79.01</u>
19. Unit Service Factor	<u>100.00</u>	<u>95.87</u>	<u>79.01</u>
20. Unit Availability Factor	<u>100.00</u>	<u>95.87</u>	<u>71.86</u>
21. Unit Capacity Factor(Using MDC Net)	<u>100.13</u>	<u>95.74</u>	<u>70.46</u>
22. Unit Capacity Factor(Using DER Net)	<u>98.18</u>	<u>93.87</u>	<u>7.24</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>4.13</u>	
24. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each): Refueling and maintenance outage scheduled to start 6/16/84 and last 8 weeks.			

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	_____	_____

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 840610

COMPLETED BY FJ Burger

TELEPHONE 802/257-7711

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>518</u>
2.	<u>518</u>
3.	<u>518</u>
4.	<u>518</u>
5.	<u>519</u>
6.	<u>475</u>
7.	<u>518</u>
8.	<u>520</u>
9.	<u>518</u>
10.	<u>518</u>
11.	<u>517</u>
12.	<u>517</u>
13.	<u>464</u>
14.	<u>517</u>
15.	<u>517</u>
16.	<u>518</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	<u>516</u>
18.	<u>515</u>
19.	<u>513</u>
20.	<u>443</u>
21.	<u>512</u>
22.	<u>489</u>
23.	<u>508</u>
24.	<u>501</u>
25.	<u>496</u>
26.	<u>495</u>
27.	<u>488</u>
28.	<u>492</u>
29.	<u>492</u>
30.	<u>496</u>
31.	<u>498</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

REPORT MONTH May

DOCKET NO 50-271
 UNIT NAME Vermont Yankee
 DATE 840510
 COMPLETED BY FJ Burger
 TELEPHONE 802/257-7711

No.	Date	Typed ¹	Duration (Hours)	Reason ²	Method of Shutting ³ Down Reactor	License Event Report#	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
84-09	840513	S	0	B	4 (Power reduction)	N/A	RB	CONROD	Power reduction for control rod pattern adjustment & other surveillance.
84-10	840520	S	0	B	4 (Power reduction)	N/A	RB	CONROD	Power reduction for control rod pattern adjustment & other 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

DOCKET NO. 50-271
 UNIT Vermont Yankee
 DATE 840610
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 TELEPHONE (802) 257-7711

SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
None					

DOCKET NO. 50-271
UNIT Vermont Yankee
DATE 840610
COMPLETED BY FJ Burger
TELEPHONE _____

REPORT MONTH May

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 97.75% of rated thermal power for the month. Gross electrical generation was 392,170 MWH_e or 97.61% 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 98.88% rated thermal power.

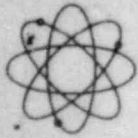
840513 At 0030 hours a power reduction was initiated for control rod pattern adjustment and other surveillance.

840513 At 0400 hours a return to full power was started.

840520 At 0030 hours a power reduction was initiated for control rod pattern adjustment and other surveillance.

840520 At 0420 hours a return to power was started. The power coastdown to the 1984 refueling outage was initiated.

At the end of the reporting period the plant was operating at 96.26% of rated thermal power.



VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157
GOVERNOR HUNT ROAD
VERNON, VERMONT 05354
VYV 84-309

June 10, 1984

U. S. Nuclear Regulatory Commission
Director, Office of Management Information
and Program Control
Washington, D.C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of May, 1984.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.

Warren P. Murphy
Warren P. Murphy
Vice President and
Manager of Operations

WPM:FJB/pt:403.011.1

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