

# VERMONT YANKEE NUCLEAR POWER STATION

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June 10, 2002  
BVY-02-39

United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Reference: (a) License No. DPR-28 (Docket No. 50-271)

In accordance with section 6.6.B of the Vermont Yankee Technical Specifications, submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of May, 2002.

Sincerely,

VERMONT YANKEE NUCLEAR POWER STATION



Kevin H. Bronson  
Plant Manager

cc: USNRC Region I Administrator  
USNRC Resident Inspector - VYNPS  
USNRC Project Manager - VYNPS

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**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 02-05**

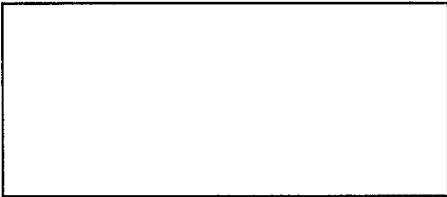
**FOR THE MONTH OF MAY 2002**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 020610  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

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): 522
6. Maximum Dependable Capacity (Gross MWe): 535
7. Maximum Dependable Capacity (Net MWe): 510
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): N/A
10. Reasons for restrictions, if any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.00	3623.00	257831.00
12. Number Of Hours Reactor was Critical	487.88	3366.88	218482.30
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	460.70	3339.70	214886.14
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	645131.15	4958251.70	325148335.91
17. Gross Electrical Energy Generated (MWH)	219181.00	1700969.00	109130558.00
18. Net Electrical Energy Generated (MWH)	209953.00	1633782.00	103853525.00
19. Unit Service Factor	61.90	92.20	82.30
20. Unit Availability Factor	61.90	92.20	82.30
21. Unit Capacity Factor (Using MDC Net)	55.30	88.40	78.70
22. Unit Capacity Factor (Using DER Net)	54.10	86.40	77.10
23. Unit Forced Outage Rate	0.00	0.00	4.02
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: N/A
26. Units In Test Status (prior to commercial operation): N/A

INITIAL CRITICALITY \_\_\_\_\_  
 INITIAL ELECTRICITY \_\_\_\_\_  
 COMMERCIAL OPERATION \_\_\_\_\_

Forecast Achieved

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 020610  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	476	17.	0
2.	476	18.	0
3.	476	19.	0
4.	476	20.	0
5.	476	21.	0
6.	458	22.	0
7.	474	23.	93
8.	474	24.	312
9.	474	25.	430
10.	474	26.	419
11.	222	27.	481
12.	0	28.	524
13.	0	29.	524
14.	0	30.	525
15.	0	31.	524
16.	0		

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.

VYDPF 0411.02 (Sample)  
 DP 0411 Rev. 7  
 Page 1 of 1  
 RT No. 13.F01.18V

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 020610  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)258-5414

No.	Date	1 Type	Duration (hours)	2 Reason	3 Method of Shutting Down Reactor	License Event Report #	4 System Code	5 Component Code	Cause and Corrective Action to Prevent Recurrence
02-09	020511	S	283.30	B,C	1	N/A	RB	CONROD	Shutdown for Mid-Cycle Refueling outage
02-10	020526	S	0.00	H	4 Power Reduction	N/A	RB	CONROD	Rod pattern adjustment

1 F: Forced  
 S: Scheduled

2 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training and  
 License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-(Explain) - Rod pattern exchange

3 Method:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Other (Explain)

4 Exhibit G- Instructions  
 for Preparation of Data  
 Entry Sheets for License  
 Event Report (LER) File  
 (NUREG 0161)

5 Exhibit I - Same Source

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REPORT MONTH May

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 54.4 of rated thermal power for the month. Gross electrical generation was 219,181 MWh or 53.9% 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 90.9% of rated thermal power.

- 020511 At 0807 hours, commenced a plant shutdown for a mid-cycle refueling. (See Unit Shutdowns and Power Reductions)
- 020511 At 1522 hours, the turbine-generator was removed from the grid.
- 020511 At 2326 hours, the reactor was sub-critical.
- 020522 At 1533 hours, the reactor was critical. (See Unit Shutdowns and Power Reductions)
- 020523 At 1140 hours, the turbine-generator was phased to the grid and began a return to full power.
- 020526 At 1000 hours, commenced a power reduction to 66% power for a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 020526 At 1300 hours, began a return to full power following the rod pattern adjustment.

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

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 7  
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RT No. 13.F01.18X