

# VERMONT YANKEE NUCLEAR POWER STATION

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Vernon, Vermont 05354-0157  
(802) 257-7711

May 9, 2002  
BVY-02-30

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 April, 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 02-04**

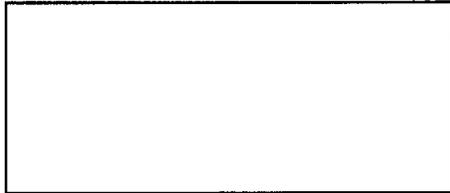
**FOR THE MONTH OF APRIL 2002**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 020509  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802) 258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: April
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	719.00	2879.00	257087.00
12. Number Of Hours Reactor was Critical	719.00	2879.00	217994.42
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	719.00	2879.00	214425.44
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1031811.50	4313120.58	324503204.78
17. Gross Electrical Energy Generated(MWH)	352853.00	1481788.00	108911377.00
18. Net Electrical Energy Generated(MWH)	338459.00	1423829.00	103643572.00
19. Unit Service Factor	100.00	100.00	82.40
20. Unit Availability Factor	100.00	100.00	82.40
21. Unit Capacity Factor(Using MDC Net)	92.30	97.00	78.80
22. Unit Capacity Factor(Using DER Net)	90.20	94.70	77.20
23. Unit Forced Outage Rate	0.00	0.00	4.03
24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each: <u>Mid-Cycle Refueling Outage from 5/11/02 to 5/22/02</u> )			

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

Forecast Achieved

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 020509  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>398</u>	17.	<u>475</u>
2.	<u>470</u>	18.	<u>475</u>
3.	<u>475</u>	19.	<u>475</u>
4.	<u>475</u>	20.	<u>475</u>
5.	<u>475</u>	21.	<u>476</u>
6.	<u>475</u>	22.	<u>462</u>
*7.	<u>456</u>	23.	<u>476</u>
8.	<u>460</u>	24.	<u>476</u>
9.	<u>475</u>	25.	<u>476</u>
10.	<u>474</u>	26.	<u>476</u>
11.	<u>474</u>	27.	<u>476</u>
12.	<u>474</u>	28.	<u>476</u>
13.	<u>474</u>	29.	<u>463</u>
14.	<u>474</u>	30.	<u>476</u>
15.	<u>461</u>	31.	<u>---</u>
16.	<u>476</u>		*23 hour day

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 APRIL

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 020509  
 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
02-08	020401	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)

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

\*H- (Explain) - Rod pattern adjustment

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REPORT MONTH April

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 90.0 of rated thermal power for the month. Gross electrical generation was 352,853 MWh or 89.8% 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 77.4% of rated thermal power.

- 020401 At 0016 hours, commenced a power reduction to 65% for a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 020401 At 0225 hours, initiated a rod pattern adjustment.
- 020401 At 0255 hours, completed a rod pattern adjustment.
- 020401 At 0310 hours, initiated a return to full power.

At the end of the reporting period the plant was operating at 90.9% of rated thermal power.

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