

# VERMONT YANKEE NUCLEAR POWER STATION

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May 10, 2001  
BVY-01-39

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 April, 2001.

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 01-04**

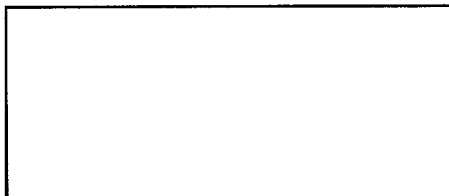
**FOR THE MONTH OF APRIL 2001**

# OPERATING DATA REPORT

DOCKET NO. 50-271  
DATE 010510  
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	248327.00
12. Number Of Hours Reactor was Critical	632.50	2753.95	209679.25
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	627.09	2733.31	206133.31
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	992764.20	4322124.30	311721831.60
17. Gross Electrical Energy Generated (MWH)	341836.00	1491578.00	104547779.00
18. Net Electrical Energy Generated (MWH)	328187.00	1433098.00	99481721.00
19. Unit Service Factor	87.20	94.90	83.50
20. Unit Availability Factor	87.20	94.90	83.50
21. Unit Capacity Factor (Using MDC Net)	89.50	97.60	77.80
22. Unit Capacity Factor (Using DER Net)	87.40	95.40	78.20
23. Unit Forced Outage Rate	0.00	1.92	4.18

24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each: 2001 Refueling Outage scheduled to begin on April 27, 2001 and end on May 19, 2001.
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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VYDPF 0411.01 (Sample)  
DP 0411 Rev. 7  
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RT No. 13.F01.19F

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
UNIT Vermont Yankee  
DATE 010510  
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>528</u>	17.	<u>527</u>
2.	<u>527</u>	18.	<u>527</u>
3.	<u>527</u>	19.	<u>527</u>
4.	<u>527</u>	20.	<u>527</u>
5.	<u>528</u>	21.	<u>527</u>
6.	<u>528</u>	22.	<u>527</u>
7.	<u>527</u>	23.	<u>526</u>
8.	<u>527</u>	24.	<u>524</u>
9.	<u>527</u>	25.	<u>524</u>
10.	<u>515</u>	26.	<u>518</u>
11.	<u>524</u>	27.	<u>22</u>
12.	<u>527</u>	28.	<u>0</u>
13.	<u>526</u>	29.	<u>0</u>
14.	<u>527</u>	30.	<u>0</u>
15.	<u>527</u>	31.	<u>---</u>
16.	<u>528</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  
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RT No. 13.F01.18V

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 010510

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
01-04	010410	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Single rod scram testing and a rod pattern adjustment.
01-05	010427	S	91.91	B,C	1	N/A	RB	CONROD	Shutdown for 2001 Refueling/ Maintenance outage

0

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 adjustment

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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DP 0411 Rev. 7  
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DOCKET NO. 50-271  
DATE 010510  
COMPLETED BY G.A. WALLIN  
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REPORT MONTH April

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 86.6% of rated thermal power for the month. Gross electrical generation was 341,836 MWh or 87.0% 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.

- 010410 At 2120 hours, reducing power to 79% to perform single rod scram testing and a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 010410 At 2215 hours, initiated single rod scram testing.
- 010410 At 2245 hours, completed single rod scram testing.
- 010410 At 2246 hours, commenced rod pattern adjustment.
- 010410 At 2320 hours, completed the rod pattern adjustment and began a return to full power.
- 010426 At 2300 hours, initiated a reactor shutdown for the 2001 Refueling/Maintenance outage. (See Unit Shutdowns and Power Reductions)
- 010427 At 0405 hours, the turbine-generator was removed from the grid.
- 010427 At 0930 hours, the reactor was sub-critical.

At the end of the reporting period the plant was operating at 00.0% of rated thermal power.

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