

# VERMONT YANKEE NUCLEAR POWER STATION

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

March 8, 2002  
BVY-02-14

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 February, 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 02-02**

**FOR THE MONTH OF FEBRUARY 2002**

# OPERATING DATA REPORT

DOCKET NO. 50-271

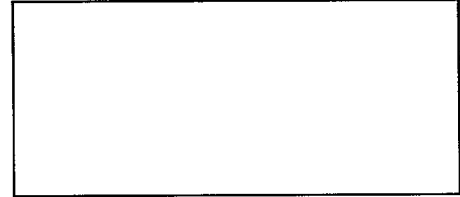
DATE 020308

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

## OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: February
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	672.00	1416.00	255624.00
12. Number Of Hours Reactor was Critical	672.00	1416.00	216531.42
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	672.00	1416.00	212962.44
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1036205.65	2216483.45	322406567.66
17. Gross Electrical Energy Generated(MWH)	356949.00	764766.00	108194355.00
18. Net Electrical Energy Generated(MWH)	343305.00	735657.00	102955400.00
19. Unit Service Factor	100.00	100.00	82.30
20. Unit Availability Factor	100.00	100.00	82.30
21. Unit Capacity Factor(Using MDC Net)	100.20	101.90	78.70
22. Unit Capacity Factor(Using DER Net)	97.90	99.50	77.10
23. Unit Forced Outage Rate	0.00	0.00	4.05
24. Shutdowns scheduled over next 6 months(Type, Date, and Duration of Each: <u>N/A</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

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

VYDPF 0411.01 (Sample)  
DP 0411 Rev. 7  
Page 1 of 1  
RT No. 13.F01.19F

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
UNIT Vermont Yankee  
DATE 020308  
COMPLETED BY G.A. WALLIN  
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MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>530</u>	17.	<u>529</u>
2.	<u>530</u>	18.	<u>523</u>
3.	<u>530</u>	19.	<u>522</u>
4.	<u>527</u>	20.	<u>529</u>
5.	<u>529</u>	21.	<u>529</u>
6.	<u>529</u>	22.	<u>529</u>
7.	<u>530</u>	23.	<u>529</u>
8.	<u>529</u>	24.	<u>529</u>
9.	<u>529</u>	25.	<u>529</u>
10.	<u>530</u>	26.	<u>489</u>
11.	<u>527</u>	27.	<u>287</u>
12.	<u>529</u>	28.	<u>313</u>
13.	<u>530</u>	29.	<u>---</u>
14.	<u>529</u>	30.	<u>---</u>
15.	<u>529</u>	31.	<u>---</u>
16.	<u>529</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.

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

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 020308

COMPLETED BY G.A. Wallin

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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
02-02	020226	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Turbine bypass valve, MSIV, testing a rod pattern exchange and power suppression testing.

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

DOCKET NO. 50-271  
DATE 020308  
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REPORT MONTH February

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 97.5 of rated thermal power for the month. Gross electrical generation was 356,949 MWh or 96.7% 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.

020226 At 1913 hours, commenced a power reduction to 52% for turbine bypass valve, MSIV full closure, power suppression testing, and a rod pattern exchange. (See Unit Shutdowns and Power Reductions)  
020226 At 2102 hours, initiated power suppression testing.  
020228 At 1400 hours, initiated MSIV full closure testing.  
020228 At 1420 hours, completed MSIV full closure testing.

At the end of the reporting period the plant was operating at 62.4% of rated thermal power.

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 7  
Page 1 of 1  
RT No. 13.F01.18X