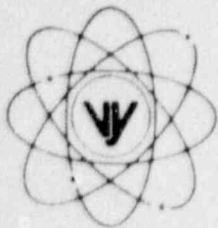


# VERMONT YANKEE NUCLEAR POWER CORPORATION



P.O. Box 157, Governor Hunt Road  
Vernon, Vermont 05354-0157  
(802) 257-7711

February, 10 1997  
BVY-97-021

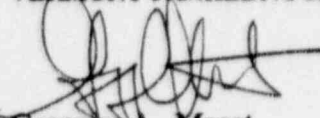
United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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

In accordance with section 6.7.A.3 of the Vermont Yankee Technical Specifications, submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of January, 1997.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION



Gregory A. Maret  
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 97-01**

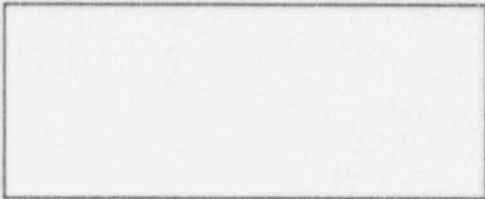
**FOR THE MONTH OF JANUARY 1997**

# OPERATING DATA REPORT

DOCKET NO. 50-271  
DATE 970210  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802) 258-5414

## OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: Janaury
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	744.00	211872.00
12. Number Of Hours Reactor was Critical	744.00	744.00	175710.60
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	744.00	172417.27
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1180725.05	1180725.05	258827858.60
17. Gross Electrical Energy Generated	407838.00	407838.00	86459260.00
18. Net Electrical Energy Generated(MWH)	392334.00	392334.00	82208223.00
19. Unit Service Factor	100.00	100.00	81.38
20. Unit Availability Factor	100.00	100.00	81.38
21. Unit Capacity Factor(Using MDC Net.)	103.40	103.40	76.30
22. Unit Capacity Factor(Using DER Net.)	101.00	101.00	74.80
23. Unit Forced Outage Rate	0.00	0.00	4.59
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

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 970210

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

MONTH January

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1.	<u>530</u>
2.	<u>529</u>
3.	<u>529</u>
4.	<u>529</u>
5.	<u>529</u>
6.	<u>528</u>
7.	<u>505</u>
8.	<u>529</u>
9.	<u>529</u>
10.	<u>529</u>
11.	<u>529</u>
12.	<u>529</u>
13.	<u>529</u>
14.	<u>529</u>
15.	<u>529</u>
16.	<u>529</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17.	<u>528</u>
18.	<u>528</u>
19.	<u>529</u>
20.	<u>529</u>
21.	<u>505</u>
22.	<u>529</u>
23.	<u>528</u>
24.	<u>529</u>
25.	<u>529</u>
26.	<u>529</u>
27.	<u>529</u>
28.	<u>528</u>
29.	<u>529</u>
30.	<u>529</u>
31.	<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

DP 0411 Rev. 6

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RT No. 13.F01.18V

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARYDOCKET NO 50-271UNIT NAME Vermont YankeeDATE 970210COMPLETED BY G.A. WallinTELEPHONE (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
97-01	970107	S	0.00	B,*H	N/A	N/A	RB	CONROD	Turbine Bypass Valve, MSIV Full Closure Tests and Rod Pattern Exchange.
97-02	970121	S	0.00	*H	N/A	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

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DP 0411 Rev. 6  
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\*H-(Explain) - Rod pattern exchange/adjustment

DOCKET NO. 50-271  
DATE 970210  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)258-5414

REPORT MONTH January

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.6% of rated thermal power for the month. Gross electrical generation was 407,838 MWh or 100.4% 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.

970107 At 0114 hours, reduced power to less than 80% to perform Turbine Bypass Valve Testing, MSIV Full Closure Testing, and a Rod Pattern Exchange. (See Unit Shutdowns and Power Reductions)

970107 At 0152 hours, power at 70%, started Turbine Bypass Valve and MSIV Full Closure Testing.

970107 At 0220 hours, completed Turbine Bypass Valve and MSIV Full Closure Testing.

970107 At 0222 hours, started Rod Pattern Exchange.

970107 At 0315 hours, completed Rod Pattern Exchange and started a return to full power.

970121 At 0030 hours, started power reduction to 70% for Rod Pattern Adjustment. (See Unit Shutdowns and Power Reductions)

970121 At 0140 hours, started Rod Pattern Adjustment at 70% power.

970121 At 0245 hours, completed Rod Pattern Adjustment, started a return to full power.

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