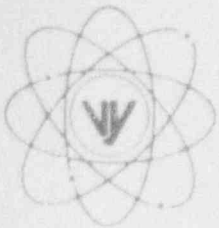


VERMONT YANKEE  
NUCLEAR POWER CORPORATION



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

February 10, 1994  
VY-RCE-94-003  
BVY 94-16

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

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

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont  
Yankee Nuclear Power Station for the month of January, 1994.

Very truly yours,

Vermont Yankee Nuclear Power Corp.

Donald A. Reid  
Vice President, Operations

cc: USNRC, Region I  
USNRC Resident Inspector, VYNPS

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**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 94-01**

**FOR THE MONTH OF JANUARY 1994**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 940210  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)257-7711

OPERATING STATUS

1. Unit Name: Vermont Yankee

2. Reporting Period: January

3. Licensed Thermal Power (Mwt): 1593

4. Nameplate Rating (Gross MWe): 540

5. Design Electrical Rating (Net MWe): 514 (oc) 504 (cc)

6. Maximum Dependable Capacity (Gross MWe): 535

7. Maximum Dependable Capacity (Net MWe): 504

8. If changes, occur in capacity ratings (Items Number 3 through 7) since last report, give reasons:

N/A

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	<u>744.00</u>	<u>744.00</u>	<u>185568.00</u>
12. Number Of Hours Reactor was Critical	<u>744.00</u>	<u>744.00</u>	<u>151961.41</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>744.00</u>	<u>744.00</u>	<u>148859.62</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
16. Gross Thermal Energy Generated (MWH)	<u>1181990.00</u>	<u>1181990.00</u>	<u>221887661.50</u>
17. Gross Electrical Energy Generated	<u>401169.00</u>	<u>401169.00</u>	<u>73920551.00</u>
18. Net Electrical Energy Generated (MWH)	<u>385670.00</u>	<u>385670.00</u>	<u>70232694.00</u>
19. Unit Service Factor	<u>100.00</u>	<u>100.00</u>	<u>79.49</u>
20. Unit Availability Factor	<u>100.00</u>	<u>100.00</u>	<u>79.49</u>
21. Unit Capacity Factor (Using MDC Net)	<u>102.85</u>	<u>102.85</u>	<u>74.41</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.85</u>	<u>100.85</u>	<u>72.96</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>0.00</u>	<u>5.15</u>
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 940210  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)257-7711

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	520	17.	51
2.	519	18.	521
3.	519	19.	519
4.	519	20.	519
5.	519	21.	520
6.	519	22.	520
7.	519	23.	519
8.	520	24.	520
9.	490	25.	520
10.	519	26.	520
11.	519	27.	519
12.	519	28.	519
13.	519	29.	520
14.	519	30.	519
15.	519	31.	519
16.	518		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 940210

COMPLETED BY G.A. Wallin

TELEPHONE (802)257-7711

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
94-01	940109	S	0.00	H*	4 Power Reduction	N/A	RB	CONROD	MSIV testing, and a Rod Pattern Exchange

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) - Control Rod Pattern Exchange

DOCKET NO. 50-271  
DATE 940210  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)257-7711

REPORT MONTH January

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.7% of rated thermal power for the month. Gross electrical generation was 401,169 MWh or 99.9% 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 99.9% of rated thermal power.

- 940109 At 0030 hours, initiated a power reduction to minimum recirculation flow to perform surveillance, and a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 940109 At 0200 hours, initiated MSIV testing.
- 940109 At 0207 hours, completed MSIV testing.
- 940109 At 0220 hours, at 65% power initiated a control rod pattern exchange.
- 940109 At 0335 hours, completed the control rod pattern exchange.
- 940109 At 0405 hours, began a return to full power.

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