



**Entergy Nuclear Northeast**  
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November 10, 2004  
BVY-04-120

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 October, 2004.

Sincerely,

Kevin H. Bronson  
General Manager, Plant Operations

A handwritten signature in cursive script that reads "Kevin H. Bronson".

cc: USNRC Region I Administrator  
USNRC Resident Inspector  
USNRC Project Manager

IE24

**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 04-10**

**FOR THE MONTH OF OCTOBER 2004**

OPERATING DATA REPORT

DOCKETNO. 50-271

DATE 041110

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: OCTOBER
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: High pressure turbine was replaced during RFO-24 with a unit designed for 1912 MWt. This results in the unit running at a lower efficiency when at 1593 MWt or lower.



	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	745.00	7320.00	282241.80
12. Number Of Hours Reactor was Critical	745.00	6195.00	237996.22
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	745.00	6137.37	234264.06
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1185031.05	9697195.69	355670185.38
17. Gross Electrical Energy Generated(MWH)	395288.00	3257520.00	119489772.00
18. Net Electrical Energy Generated(MWH)	376536.00	3108775.00	113735286.00
19. Unit Service Factor	100.00	83.80	83.00
20. Unit Availability Factor	100.00	83.80	83.00
21. Unit Capacity Factor(Using MDC Net)	99.10	83.30	79.70
22. Unit Capacity Factor(Using DER Net)	96.80	81.40	78.00
23. Unit Forced Outage Rate	0.00	6.80	3.93
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: <u>N/A</u>			
26. Units In Test Status(prior to commercial operation): <u>N/A</u>			

Forecast Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 041110  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH OCTOBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>498</u>	17.	<u>512</u>
2.	<u>498</u>	18.	<u>511</u>
3.	<u>500</u>	19.	<u>513</u>
4.	<u>498</u>	20.	<u>513</u>
5.	<u>501</u>	21.	<u>513</u>
6.	<u>495</u>	22.	<u>513</u>
7.	<u>491</u>	23.	<u>513</u>
8.	<u>499</u>	24.	<u>513</u>
9.	<u>491</u>	25.	<u>513</u>
10.	<u>496</u>	26.	<u>513</u>
11.	<u>497</u>	27.	<u>513</u>
12.	<u>498</u>	28.	<u>513</u>
13.	<u>501</u>	29.	<u>513</u>
14.	<u>499</u>	30.	<u>513</u>
15.	<u>505</u>	*31.	<u>513</u>
16.	<u>509</u>	*25 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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 041110  
 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.
(None)									

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) -

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

VYDPF 0411.03  
 DP 0411 Rev. 8  
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REPORT MONTH OCTOBER

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.8% of rated thermal power for the month. Gross electrical generation was 395,288 MWh or 97.1% 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.

There were no items of interest to report for this month.

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

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 8  
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RT No. 13.F01.18X