



**Entergy Nuclear Northeast**  
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October 08, 2004  
BVY-04-108

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 September, 2004.

Sincerely,

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

Kevin H. Bronson  
General Manager, Plant Operations

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

JE24

**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 04-09**

**FOR THE MONTH OF SEPTEMBER 2004**

OPERATING DATA REPORT

DOCKETNO. 50-271

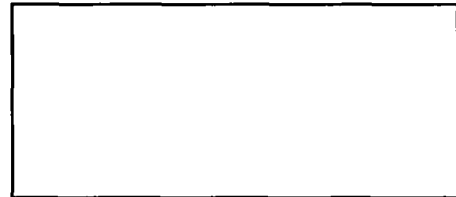
DATE 041008

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: SEPTEMBER
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	720.00	6575.00	281496.80
12. Number Of Hours Reactor was Critical	720.00	5450.00	237251.22
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	720.00	5392.37	233519.06
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1143124.25	8512164.60	354485154.34
17. Gross Electrical Energy Generated(MWH)	379196.00	2862232.00	119094484.00
18. Net Electrical Energy Generated(MWH)	360891.00	2732239.00	113358750.00
19. Unit Service Factor	100.00	82.01	82.96
20. Unit Availability Factor	100.00	82.01	82.96
21. Unit Capacity Factor(Using MDC Net)	98.30	81.50	79.60
22. Unit Capacity Factor(Using DER Net)	96.00	79.60	78.00
23. Unit Forced Outage Rate	0.00	8.75	3.94
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 041009  
 COMPLETED BY G.A. WALLIN  
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MONTH SEPTEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	505	17.	493
2.	506	18.	507
3.	507	19.	511
4.	502	20.	511
5.	495	21.	511
6.	495	22.	511
7.	496	23.	505
8.	497	24.	502
9.	505	25.	495
10.	509	26.	451
11.	509	27.	496
12.	509	28.	493
13.	509	29.	496
14.	508	30.	495
15.	492	31.	---
16.	493		

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 SEPTEMBER

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 041008  
 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.
04-04	040926	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Turbine valve and MSIV full closure testing, 381 switchyard breaker work 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)  
 \*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

VYDPF 0411.03  
 DP 0411 Rev. 8  
 Page 1 of 1

DOCKET NO. 50-271  
DATE 041008  
COMPLETED BY G.A. Wallin  
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REPORT MONTH SEPTEMBER

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.6% of rated thermal power for the month. Gross electrical generation was 379,196 MWh or 96.4% 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 98.2% of rated thermal power.

- 040926 At 0708 hours, commenced a power reduction to 71% to perform turbine valve and MSIV full closure testing, 381 switchyard breaker work and a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 040926 At 0802 hours, commenced turbine valve testing.
- 040926 At 0832 hours, completed turbine valve testing.
- 040926 At 0846 hours, commenced MSIV full closure testing.
- 040926 At 0907 hours, completed MSIV full closure testing.
- 040926 At 0809 hours, commenced 381 breaker work in the switchyard.
- 040926 At 0930 hours, commenced a rod pattern exchange.
- 040926 At 1005 hours, completed a rod pattern exchange and began a return to full power.
- 040926 At 1557 hours, completed 381 breaker work in the switchyard.

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