



**Entergy Nuclear Northeast**  
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BVY-02-90

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, 2002.

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

IE 24

**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 02-10**

**FOR THE MONTH OF OCTOBER 2002**

OPERATING DATA REPORT

DOCKET NO. 50-271

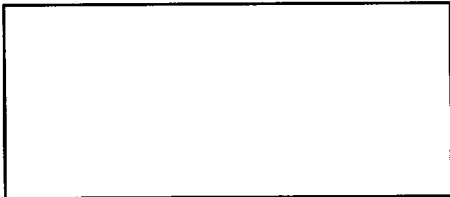
DATE 021108

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: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	745.00	7296.00	261504.00
12. Number Of Hours Reactor was Critical	274.53	6569.41	221684.83
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	235.64	6503.34	218049.78
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	301436.90	9860781.11	330050865.29
17. Gross Electrical Energy Generated(MWH)	98674.00	3345608.00	110775197.00
18. Net Electrical Energy Generated(MWH)	93192.00	3188023.00	105407766.00
19. Unit Service Factor	31.63	89.10	82.40
20. Unit Availability Factor	31.63	89.10	82.40
21. Unit Capacity Factor(Using MDC Net)	24.50	85.70	78.80
22. Unit Capacity Factor(Using DER Net)	24.00	83.70	77.20
23. Unit Forced Outage Rate	0.00	0.00	3.96
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 021108  
 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.	461	17.	0
2.	460	18.	0
3.	460	19.	0
4.	462	20.	0
5.	198	21.	0
6.	0	22.	0
7.	0	23.	0
8.	0	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	*27.	67
12.	0	28.	254
13.	0	29.	471
14.	0	30.	520
15.	0	31.	525
16.	0		* 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 021108  
 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
02-14	021005	S	509.36	B,C	1	N/A	RB	CONROD	Shutdown for RFO-23 Refueling outage
02-15	021029	S	0.00	H	4 Power Reduction	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)  
 \*H-(Explain)- rod pattern adjustment

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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DATE 021108  
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REPORT MONTH October

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 25.3 of rated thermal power for the month. Gross electrical generation was 98,674 MWHe or 24.2% 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 93.0% of rated thermal power.

- 021005 At 0700 hours, commenced a plant shutdown for the RFO-23 refueling. (See Unit Shutdowns and Power Reductions)
- 021005 At 2320 hours, the turbine-generator was removed from the grid.
- 021006 At 0220 hours, the reactor was sub-critical.
- 021025 At 1648 hours, the reactor was critical. (See Unit Shutdowns and Power Reductions)
- 021027 At 0235 hours, the turbine-generator was phased to the grid and began a return to full power.
- 021029 At 1953 hours, reduced power to 68% for a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 021029 At 2128 hours, completed a rod pattern adjustment and began a return to full power.

At the end of the reporting period the plant was operating at 99.7% of rated thermal power.

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 8  
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