



**Entergy Nuclear Northeast**  
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October 10, 2002  
BVY-02-79

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, 2002.

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 02-09**

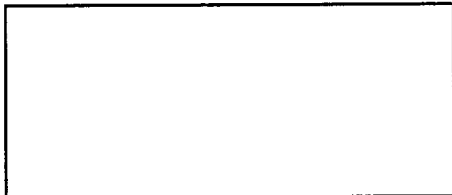
**FOR THE MONTH OF SEPTEMBER 2002**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 021010  
 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: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	720.00	6551.00	260759.00
12. Number Of Hours Reactor was Critical	720.00	6294.88	221410.30
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	720.00	6267.70	217814.14
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1117251.65	9559344.20	329749428.39
17. Gross Electrical Energy Generated(MWH)	372574.00	3246934.00	110676523.00
18. Net Electrical Energy Generated(MWH)	349961.00	3094831.00	105314574.00
19. Unit Service Factor	100.00	95.70	82.50
20. Unit Availability Factor	100.00	95.70	82.50
21. Unit Capacity Factor(Using MDC Net)	95.30	92.60	78.90
22. Unit Capacity Factor(Using DER Net)	93.10	90.50	77.30
23. Unit Forced Outage Rate	0.00	0.00	3.97
24. Shutdowns scheduled over next 6 months(Type, Date, and Duration of Each: <u>10/05/2002 to 10/21/2002 for scheduled refueling outage.</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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast Achieved  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 021010

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	504	17.	491
2.	497	18.	488
3.	473	19.	486
4.	493	20.	479
5.	499	21.	474
6.	504	22.	472
7.	498	23.	476
8.	499	24.	481
9.	490	25.	478
10.	491	26.	476
11.	495	27.	477
12.	500	28.	474
13.	494	29.	475
14.	488	30.	472
15.	481	31.	---
16.	482		

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 (Sample)

DP 0411 Rev. 8

Page 1 of 1

RT No. 13.F01.18V

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 021010

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

DOCKET NO. 50-271  
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REPORT MONTH September

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 97.4 of rated thermal power for the month. Gross electrical generation was 372,574 MWh or 94.8% 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 99.8% 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 93.4% of rated thermal power.

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 8  
Page 1 of 1  
RT No. 13.F01.18X