

**VERMONT YANKEE  
NUCLEAR POWER STATION**

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

November 10, 2000  
BVY-00-104

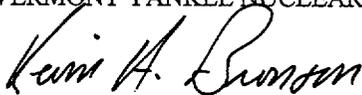
United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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, 2000.

Sincerely,

VERMONT YANKEE NUCLEAR POWER STATION



Kevin H. Bronson  
Plant Manager

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

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**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 00-10**

**FOR THE MONTH OF OCTOBER 2000**

OPERATING DATA REPORT

DOCKET NO. 50-271

DATE 001110

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	7320.00	243984.00
12. Number Of Hours Reactor was Critical	745.00	7286.84	205461.30
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	745.00	7275.00	201936.00
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1180530.55	11507570.60	305068753.90
17. Gross Electrical Energy Generated(MWH)	406538.00	3949254.00	102251822.00
18. Net Electrical Energy Generated(MWH)	388436.00	3774660.00	97275218.00
19. Unit Service Factor	100.00	99.40	81.70
20. Unit Availability Factor	100.00	99.40	81.70
21. Unit Capacity Factor(Using MDC Net)	102.20	101.10	77.90
22. Unit Capacity Factor(Using DER Net)	99.90	98.80	76.30
23. Unit Forced Outage Rate	0.00	0.62	4.24

- 24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each): \_\_\_\_\_
- 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 001110  
 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>513</u>	17.	<u>529</u>
2.	<u>514</u>	18.	<u>527</u>
3.	<u>492</u>	19.	<u>529</u>
4.	<u>504</u>	20.	<u>528</u>
5.	<u>511</u>	21.	<u>528</u>
6.	<u>514</u>	22.	<u>529</u>
7.	<u>524</u>	23.	<u>529</u>
8.	<u>523</u>	24.	<u>529</u>
9.	<u>522</u>	25.	<u>529</u>
10.	<u>523</u>	26.	<u>529</u>
11.	<u>524</u>	27.	<u>529</u>
12.	<u>524</u>	28.	<u>477</u>
13.	<u>527</u>	*29.	<u>551</u>
14.	<u>521</u>	30.	<u>529</u>
15.	<u>519</u>	31.	<u>529</u>
16.	<u>529</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 001110  
 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
00-08	001003	F	0.00	A	4 Power Reduction	N/A	CH	VALVEX	"B" feedwater regulator valve failed shut, caused by failed valve positioner.
00-09	001028	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	MSIV full closure, turbine bypass valve, single rod scram 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)  
 \*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

REPORT MONTH October

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.4% of rated thermal power for the month. Gross electrical generation was 406,538 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.

- 001003 At 1922 hours, the "B" feedwater regulator valve failed shut due to a failed positioner. Power was reduced to 79%. (See Unit Shutdowns and Power Reductions)
- 001004 At 0110 hours, repairs complete on "B" feedwater regulator valve.
- 001004 At 0137 hours, a return to full power was initiated.
- 001028 At 0713 hours, reducing power to 65% to perform MSIV full closure, turbine bypass valve, single rod scram testing, and a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 001028 At 0825 hours, completed MSIV full closure testing.
- 001028 At 0850 hours, completed turbine bypass valve testing.
- 001028 At 1205 hours, completed single rod scram testing.
- 001028 At 1215 hours, completed the rod pattern exchange.
- 001028 At 1255 hours, initiated a return to full power.

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