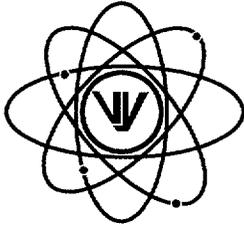


# VERMONT YANKEE NUCLEAR POWER CORPORATION



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

January 10, 2000  
BVY-00-03

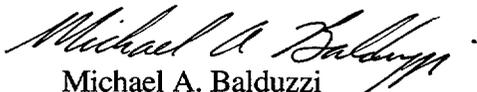
United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Reference: (a) License No. DPR-28 (Docket No. 50-271)

In accordance with section 6.7.A.3 of the Vermont Yankee Technical Specifications, submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of December, 1999.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION

  
Michael A. Balduzzi  
Plant Manager

cc: USNRC Region I Administrator  
USNRC Resident Inspector - VYNPS  
USNRC Project Manager – VYNPS  
Vermont Department of Public Service

IE24

**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 99-12**

**FOR THE MONTH OF DECEMBER 1999**

OPERATING DATA REPORT

DOCKET NO. 50-271

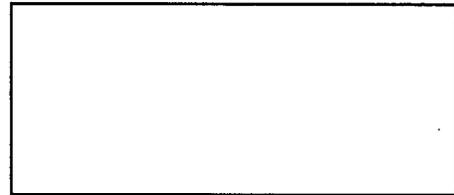
DATE 000110

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: December
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	744.00	8760.00	236664.00
12. Number Of Hours Reactor was Critical	733.72	7973.30	198174.46
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	701.95	7936.95	194660.95
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1058643.15	12481522.00	293561183.40
17. Gross Electrical Energy Generated(MWH)	363837.00	4260371.00	98302568.00
18. Net Electrical Energy Generated(MWH)	349531.00	4059107.00	93500558.00
19. Unit Service Factor	94.30	90.60	81.20
20. Unit Availability Factor	94.30	90.60	81.20
21. Unit Capacity Factor(Using MDC Net)	92.10	90.90	77.20
22. Unit Capacity Factor(Using DER Net)	90.00	88.80	75.60
23. Unit Forced Outage Rate	4.69	0.43	4.37

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 000110  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>0</u>	17.	<u>531</u>
2.	<u>30</u>	18.	<u>530</u>
3.	<u>199</u>	19.	<u>530</u>
4.	<u>487</u>	20.	<u>531</u>
5.	<u>515</u>	21.	<u>231</u>
6.	<u>529</u>	22.	<u>386</u>
7.	<u>528</u>	23.	<u>519</u>
8.	<u>529</u>	24.	<u>531</u>
9.	<u>531</u>	25.	<u>529</u>
10.	<u>531</u>	26.	<u>529</u>
11.	<u>531</u>	27.	<u>530</u>
12.	<u>531</u>	28.	<u>530</u>
13.	<u>530</u>	29.	<u>530</u>
14.	<u>531</u>	30.	<u>531</u>
15.	<u>531</u>	31.	<u>531</u>
16.	<u>530</u>		

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 DECEMBER

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 000110  
 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
99-11	991202	S	41.65	B	N/A	N/A	N/A	N/A	Turbine overspeed testing
99-12	991221	F	34.53	A	N/A	N/A	CB	PUMPXX	"A" recirculation pump tripped due to the loss of a second motor generator lube oil pump. (See detail on summary page)

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  
DATE 000110  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)258-5414

REPORT MONTH December

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 89.3% of rated thermal power for the month. Gross electrical generation was 363,837 MWh or 89.6% 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 0.17% of rated thermal power.

- 991201 At 1017 hours, the reactor was critical.
- 991202 At 1605 hours, the turbine-generator was phased to the grid.
- 991202 At 2329 hours, the turbine-generator was removed from the grid.
- 991203 At 0127 hours, the turbine-generator was phased to the grid and a return to full power was initiated. (See Unit Shutdowns and Power Reductions)
- 991221 At 0318 hours, the "A" recirculation pump tripped due to the loss of a second motor generator lube oil pump. Reduced "B" recirculation pump to 70% speed and power was reduced to 42%. (See Unit Shutdowns and Power Reductions)
- 991221 At 2213 hours, started the "A" recirculation pump following valve repair to the "A" motor generator lube oil pumps.
- 991221 At 2242 hours, secured the "B" recirculation pump for valve repair on the "B" motor generator lube oil pumps. (See Unit Shutdowns and Power Reductions)
- 991222 At 0517 hours, started the "B" recirculation pump following valve repair to the "B" motor generator lube oil pumps.
- 991222 At 0530 hours, began a return to full power.

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. 7  
Page 1 of 1  
RT No. 13.F01.18X