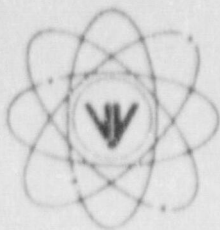


# VERMONT YANKEE NUCLEAR POWER CORPORATION



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

December 10, 1997  
BVY-97-161

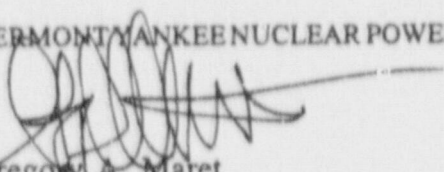
United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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 November, 1997.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION

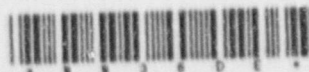
  
Gregory A. Maret  
Plant Manager

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 97-11**

**FOR THE MONTH OF NOVEMBER 1997**

Figure II  
DP 0411 Rev. 7  
Page 1 of 1

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 971210  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: November
3. Licensed Thermal Power (Mwt): 1593
4. Nameplate Rating (Gross MWe): 240
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	<u>720.00</u>	<u>8016.00</u>	<u>218400.00</u>
12. Number Of Hours Reactor was Critical	<u>678.93</u>	<u>7669.32</u>	<u>182635.98</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>656.93</u>	<u>7616.00</u>	<u>179289.00</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
16. Gross Thermal Energy Generated (MWH)	<u>914625.80</u>	<u>11953710.80</u>	<u>269600844.20</u>
17. Gross Electrical Energy Generated	<u>311352.00</u>	<u>4067672.00</u>	<u>90119094.00</u>
18. Net Electrical Energy Generated (MWH)	<u>298638.00</u>	<u>3877679.00</u>	<u>85693568.00</u>
19. Unit Service Factor	<u>91.20</u>	<u>95.00</u>	<u>81.20</u>
20. Unit Availability Factor	<u>91.20</u>	<u>95.00</u>	<u>81.20</u>
21. Unit Capacity Factor (Using MDC Net)	<u>81.30</u>	<u>94.90</u>	<u>76.90</u>
22. Unit Capacity Factor (Using DER Net)	<u>79.50</u>	<u>92.70</u>	<u>75.40</u>
23. Unit Forced Outage Rate	<u>8.76</u>	<u>3.96</u>	<u>4.58</u>

24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each): 1998 Refueling Outage scheduled to begin on March 21, 1998 and end on April 22, 1998.
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	_____	_____



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 971210  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	527	17.	527
2.	527	18.	522
3.	517	19.	527
4.	520	20.	527
5.	525	21.	528
6.	525	22.	528
7.	307	23.	528
8.	298	24.	528
9.	296	25.	127
10.	302	26.	0
11.	302	27.	7
12.	356	28.	294
13.	417	29.	419
14.	438	30.	507
15.	493	31.	---
16.	522		

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 971210  
 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
97-13	971107	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Power Suppression Testing, Single Rod Scram Testing and a Rod Pattern Exchange
97-14	971125	F	63.07	B	3	97-23	EA	INSTRU	Turbine trip and Reactor Scram due to 379 line switchyard work.

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

DOCKET NO. 50-271  
DATE 971210  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)258-5414

REPORT MONTH November

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 79.7% of rated thermal power for the month. Gross electrical generation was 311,352 MWh or 79.2% 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 99.9% of rated thermal power.

- 971107 At 0102 hours, initiated a power reduction to 60% for Power Suppression Testing, Single Rod Scram Testing and a Rod Pattern Exchange. (See Unit Shutdowns and Power Reductions)
- 971107 At 0307 hours, at 60% power, began Single rod Scram Testing.
- 971110 At 0118 hours, completed Single Rod Scram Testing.
- 971110 At 1317 hours, began one Scram Solenoid Pilot Valve Replacement.
- 971110 At 1352 hours, performed Single Rod Scram Testing following the SSPV Replacement.
- 971112 At 0222 hours, began a Rod Pattern Exchange.
- 971112 At 0407 hours, completed the Rod Pattern Exchange.
- 971112 At 0454 hours, began a return to full power.
- 971125 At 0646 hours, turbine tripped and reactor scrammed due to 379 line work in the switchyard. (See Unit Shutdowns and Power Reductions)
- 971126 At 2350 hours, the reactor was critical.
- 971127 At 2150 hours, the turbine-generator was phased to the grid and began a return to full power.

At the end of the reporting period the plant was operating at 95.8% of rated thermal power.

VYDPF 0411.04 (Sample)  
DP 0411 Rev. 7  
Page 1 of 1  
RT No. 13.F01.18X