VERMONT YANKEE
NUCLEAR POWER CORPORATION

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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

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): 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	8016.00	218400.00
12. Number Of Hours Reactor was Critical	678.93	7669.32	182635.98
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	656.93	7616.00	179289.00
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	914625.80	11953710.80	269600844.20
17. Gross Electrical Energy Generated	311352.00	4067672.00	90119094.00
18. Net Electrical Energy Generated(MWH)	298638.00	3877679.00	85693568.00
19. Unit Service Factor	91.20	95.00	81.20
20. Unit Availability Factor	91.20	95.00	81.20
21. Unit Capacity Factor(Using MDC Net)	81.30	94.90	76.90
22. Unit Capacity Factor(Using DER Net)	79.50	92.70	75.40
23. Unit Forced Outage Rate	8.76	3.96	4.58

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

	Forecast	Achieved
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.

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

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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 MWHe 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.