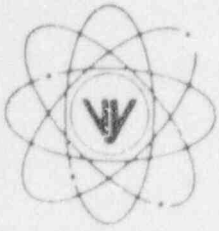


# VERMONT YANKEE NUCLEAR POWER CORPORATION



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

May, 10 1997  
BVY-97-059

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 April, 1997.

Sincerely,

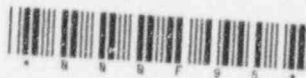
VERMONT YANKEE NUCLEAR POWER CORPORATION

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 97-04**

**FOR THE MONTH OF APRIL 1997**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 970510  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: April
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	719.00	2879.00	214007.00
12. Number Of Hours Reactor was Critical	560.17	2720.17	177686.30
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	560.17	2720.17	174394.00
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	892273.30	4324155.50	261971288.60
17. Gross Electrical Energy Generated	307492.00	1492432.00	87543854.00
18. Net Electrical Energy Generated(MWH)	295759.00	1435581.00	83251470.00
19. Unit Service Factor	77.90	94.50	80.80
20. Unit Availability Factor	77.90	94.50	80.80
21. Unit Capacity Factor(Using MDC Net)	80.70	97.80	76.50
22. Unit Capacity Factor(Using DER Net)	78.80	95.50	75.00
23. Unit Forced Outage Rate	15.74	3.70	4.59
24. Shutdowns scheduled over next 6 months(Type, Date, and Duration of Each): <u>N/A</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

Forecast Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 970510  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802) 258-5414

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	527	17.	528
2.	528	18.	528
3.	528	19.	528
4.	528	20.	528
5.	527	21.	528
6.	528	22.	528
7.	528	23.	528
8.	528	24.	202
9.	528	25.	0
10.	529	26.	0
11.	529	27.	0
12.	529	28.	0
13.	528	29.	0
14.	528	30.	0
15.	528	31.	-
16.	528		

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 APRIL

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 970510

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
97-04	970424	F	26.62	B	3	97-08	RB	CONROD	Turbine Trip and Reactor Scram due to Instrument Calibration Problems
97-04	970425	S	54.21	B	3	N/A	CD	VALVEX	Mini-Outage Repairs
97-04	970427	F	78.00	B	3	N/A	EB	TRANSF	Mini-Outage Repairs

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 970510  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)258-5414

REPORT MONTH April

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 77.9% of rated thermal power for the month. Gross electrical generation was 307,492 MWh or 78.3% 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.

970424 At 0910 hours, turbine tripped and reactor scrammed due to instrument calibration problems. (See Unit Shutdowns and Power Reductions)

970425 At 1147 hours, initiated mini-outage. (See Unit Shutdowns and Power Reductions)

At the end of the reporting period the plant was operating at 00.0% of rated thermal power.