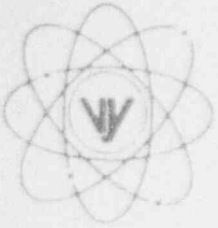


# VERMONT YANKEE NUCLEAR POWER CORPORATION



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

May 10, 1993  
VY-RCE-93-018  
BYV 93-048

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

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

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of April, 1993.

Very truly yours,

Vermont Yankee Nuclear Power Corporation

Donald A. Reid  
Vice President, Operations

cc: USNRC, Region I  
USNRC Resident Inspector, VYNPS

DP 0411 Rev. 4  
Page 1 of 1

*FE24*

**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 93-04**

**FOR THE MONTH OF APRIL 1993**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 930510  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)257-7711

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): 514(oc) 504(cc)

6. Maximum Dependable Capacity (Gross MWe): 535

7. Maximum Dependable Capacity (Net MWe): 504

8. If changes, occur in capacity ratings (Items Number 3 through 7) since last report, give reasons:

N/A

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	178943.00
12. Number Of Hours Reactor was Critical	508.42	2668.42	146864.77
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	485.30	2645.30	143899.94
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	739029.50	4172181.00	214243247.00
17. Gross Electrical Energy Generated	246877.00	1405333.00	7390491.00
18. Net Electrical Energy Generated (MWH)	236818.00	1349833.00	67824708.00
19. Unit Service Factor	67.50	91.88	79.66
20. Unit Availability Factor	67.50	91.88	79.66
21. Unit Capacity Factor (Using MDC Net)	65.35	93.03	74.49
22. Unit Capacity Factor (Using DER Net)	64.08	91.22	73.05
23. Unit Forced Outage Rate	32.50	8.12	5.25

24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each): 1993 Refueling Outage scheduled to begin on August 27, 1993 and last for a six week period.

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 930510  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)257-7711

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>516</u>	17.	<u>266</u>
2.	<u>516</u>	18.	<u>488</u>
3.	<u>516</u>	19.	<u>516</u>
*4.	<u>493</u>	20.	<u>516</u>
5.	<u>514</u>	21.	<u>516</u>
6.	<u>350</u>	22.	<u>516</u>
7.	<u>11</u>	23.	<u>516</u>
8.	<u>0</u>	24.	<u>516</u>
9.	<u>0</u>	25.	<u>515</u>
10.	<u>0</u>	26.	<u>516</u>
11.	<u>0</u>	27.	<u>516</u>
12.	<u>0</u>	28.	<u>515</u>
13.	<u>0</u>	29.	<u>515</u>
14.	<u>0</u>	30.	<u>514</u>
15.	<u>0</u>	31.	<u>---</u>
16.	<u>10</u>		<u>*23 hour day</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 APRIL

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 930510  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)257-7711

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
93-03	930406	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Single rod scram testing and a Rod Pattern Exchange.
93-04	930406	F	233.70	B	1	N/A	RB	CONROD	Manually shutting down due to a leak on the "B" feedwater discharge header piping.
93-05	930406	F	0.00	B	1	LER93-05	RB	CONROD	Encountered problems with "Notch 46" slow control rod insertion times.

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) - Control 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 (NOREG 0161)

5 Exhibit I - Same Source

DOCKET NO. 50-271  
DATE 930510  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802)257-7711

REPORT MONTH April

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 64.5% of rated thermal power for the month. Gross electrical generation was 246,877 MWh or 63.6% 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 99.9% of rated thermal power.

- 930406 At 0200 hours, initiated a power reduction to minimum recirculation flow to perform surveillance, single rod scram testing, and a rod pattern exchange.
- 930406 At 0350 hours, at minimum recirculation flow, initiated single rod scram testing. (See Unit Shutdowns and Power Reductions)
- 930406 At 0700 hours, initiated a control rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 930406 At 1005 hours, completed the control rod pattern exchange.
- 930406 At 1135 hours, completed single rod scram testing. Problems encountered with "Notch 46" slow control rod insertion times. (See Unit Shutdowns and Power Reductions)
- 930406 At 2238 hours, initiated a reactor shutdown due to a leak on the "B" feedwater discharge header piping. (See Unit Shutdowns and Power Reductions)
- 930407 At 0203 hours, removed the turbine-generator from the grid.
- 930407 At 0543 hours, the reactor was sub-critical.
- 930416 At 0118 hours, the reactor was critical.
- 930416 At 2045 hours, the turbine-generator was phased to the grid and a return to full power was initiated.

At the end of the reporting period the plant was operating at 99.8% of rated thermal power.