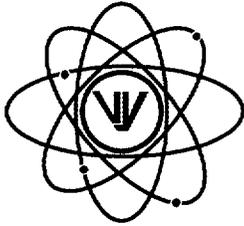


# VERMONT YANKEE NUCLEAR POWER CORPORATION



P.O. Box 157, Governor Hunt Road  
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(802) 257-7711

March 10, 2000  
BVY-00-29

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 February, 2000.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION

A handwritten signature in cursive script that reads "Michael A. Balduzzi".

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 00-02**

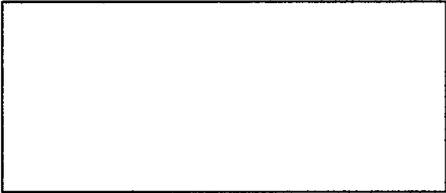
**FOR THE MONTH OF FEBRUARY 2000**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 000310  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: February
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	696.00	1440.00	238104.00
12. Number Of Hours Reactor was Critical	696.00	1440.00	199614.46
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	696.00	1440.00	196101.00
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1103714.15	2288203.90	295849387.30
17. Gross Electrical Energy Generated(MWH)	382029.00	792108.00	99094676.00
18. Net Electrical Energy Generated(MWH)	367441.00	761884.00	94262442.00
19. Unit Service Factor	100.00	100.00	81.30
20. Unit Availability Factor	100.00	100.00	81.30
21. Unit Capacity Factor(Using MDC Net)	103.50	103.70	77.40
22. Unit Capacity Factor(Using DER Net)	101.10	101.40	75.80
23. Unit Forced Outage Rate	0.00	0.00	4.34

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

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 000310  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	531	17.	530
2.	530	18.	531
3.	529	19.	531
4.	530	20.	530
5.	530	21.	530
6.	531	22.	530
7.	530	23.	505
8.	531	24.	530
9.	512	25.	530
10.	509	26.	530
11.	530	27.	530
12.	530	28.	530
13.	530	29.	530
14.	530	30.	---
15.	530	31.	---
16.	530		

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 FEBRUARY

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 000310  
 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
00-01	000209	S	0.00	B,H*	4	N/A	RB	CONROD	Main steam isolation and turbine bypass valve testing and a rod pattern exchange
00-02	000223	S	0.00	B	4	N/A	RB	CONROD	Directional control valve changeouts

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 000310  
COMPLETED BY G.A. WALLIN  
TELEPHONE (802) 258-5414

REPORT MONTH February

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.5% of rated thermal power for the month. Gross electrical generation was 382,029 MWh or 100.5% 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.

- 000209 At 2110 hours, reducing power to 72% to perform turbine bypass and main steam isolation valve testing, and perform a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 000209 At 2150 hours, initiated main steam isolation valve testing.
- 000209 At 2215 hours, completed main steam isolation valve testing.
- 000209 At 2216 hours, initiated turbine bypass valve testing.
- 000209 At 2238 hours, completed turbine bypass valve testing.
- 000209 At 2243 hours, initiated a rod pattern exchange.
- 000209 At 2346 hours, completed the rod pattern exchange.
- 000210 At 0020 hours, initiated a return to full power.
- 000223 At 1138 hours, reducing power to 75% to perform maintenance work on directional control valves for one control rod. (See Unit Shutdowns and Power Reductions)
- 000223 At 1340 hours, initiated a return to full power following directional control valve replacements.

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