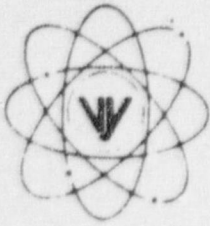


VERMONT YANKEE NUCLEAR POWER CORPORATION



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

February 10, 1998
BVY-98-17

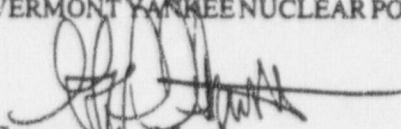
United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

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 January, 1998.

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 98-01

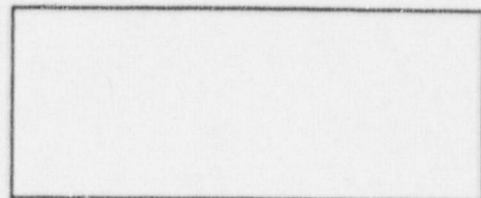
FOR THE MONTH OF JANUARY 1998

Figure II
DP 0411 Rev. 7
Page 1 of 1

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 980210
 COMPLETED BY G.A. WALLIN
 TELEPHONE (802)258-5414

OPERATING STATUS



1. Unit Name: Vermont Yankee
2. Reporting Period: January
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	<u>744.00</u>	<u>744.00</u>	<u>219888.00</u>
12. Number Of Hours Reactor was Critical	<u>744.00</u>	<u>744.00</u>	<u>184123.98</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>744.00</u>	<u>744.00</u>	<u>180777.00</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>1165573.45</u>	<u>1165573.45</u>	<u>271939477.20</u>
17. Gross Electrical Energy Generated	<u>402195.00</u>	<u>402195.00</u>	<u>90925979.00</u>
18. Net Electrical Energy Generated (MWH)	<u>386476.00</u>	<u>386476.00</u>	<u>86469231.00</u>
19. Unit Service Factor	<u>100.00</u>	<u>100.00</u>	<u>81.30</u>
20. Unit Availability Factor	<u>100.00</u>	<u>100.00</u>	<u>81.30</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.90</u>	<u>101.90</u>	<u>77.10</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.50</u>	<u>99.50</u>	<u>75.50</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>0.00</u>	<u>4.54</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 30, 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 980210
 COMPLETED BY G.A. WALLIN
 TELEPHONE (802)258-5414

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	528	17.	524
2.	528	18.	523
3.	529	19.	521
4.	529	20.	516
5.	528	21.	519
6.	524	22.	517
7.	529	23.	515
8.	528	24.	514
9.	528	25.	512
10.	528	26.	510
11.	528	27.	506
12.	527	28.	507
13.	486	29.	506
14.	528	30.	505
15.	528	31.	504
16.	526		

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 JANUARY

DOCKET NO 50-271
 UNIT NAME Vermont Yankee
 DATE 980210
 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
98-01	980113	S	0.00	B, H*	4 Power Reduction	N/A	RB	CONROD	Power reduced for MSIV full closure test, Turbine Bypass valve testing, and a Rod Pattern adjustment.

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 adjustment

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 980210
COMPLETED BY G.A. WALLIN
TELEPHONE (802)258-5414

REPORT MONTH January

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 98.3% of rated thermal power for the month. Gross electrical generation was 402,195 MWh or 99.0% 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.

- 980113 At 0228 hours, initiated a power reduction to 70% for MSIV full closure test, Turbine Bypass valve testing and a Rod Pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 980113 At 0320 hours, began MSIV full closure test.
- 980113 At 0340 hours, completed MSIV full closure test.
- 980113 At 0345 hours, began Turbine Bypass valve testing.
- 980113 At 0354 hours, completed Turbine Bypass valve testing.
- 980113 At 0357 hours, began a Rod Pattern adjustment.
- 980113 At 0403 hours, completed the Rod Pattern adjustment.
- 980113 At 0408 hours, began a return to full power.

At the end of the reporting period the plant was operating at 95.7% of rated thermal power.