

VERMONT YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 87-01  
FOR THE MONTH OF JANUARY, 1987

8702180146 870210  
PDR ADOCK 05000271  
R PDR

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11

# OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 870210  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802) 257-7711

## 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): 514(cc) 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:

Notes:

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	744.00	744.00	-----
12. Number of Hours Reactor was Critical	744.00	744.00	98214.73
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	744.00	95722.69
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1182579.50	1182579.50	139858220.00
17. Gross Electrical Energy Generated (MWH)	401444.00	401444.00	46530278.00
18. Net Electrical Energy Generated (MWH)	385170.00	385170.00	44143846.00
19. Unit Service Factor	100.00	100.00	76.03
20. Unit Availability Factor	100.00	100.00	76.03
21. Unit Capacity Factor (using MDC Net)	102.72	102.72	69.57
22. Unit Capacity Factor (using DER Net)	100.72	100.72	68.21
23. Unit Forced Outage Rate	0.00	0.00	6.64

24. Shutdowns scheduled over next 6 months (Type, Date and Duration of Each):  
 N/A

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

VYDPF 0411.01  
 Original

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

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## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	870210
COMPLETED BY	G.A. Wallin
TELEPHONE	(802) 257-7711

MONTH JanuaryDAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	519
2	519
3	519
4	513
5	518
6	518
7	520
8	519
9	518
10	519
11	511
12	519
13	518
14	518
15	519
16	519

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	518
18	515
19	518
20	518
21	518
22	518
23	519
24	518
25	515
26	518
27	518
28	518
29	518
30	518
31	518

## 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.

VYDPF 0411.02  
Original



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January

DOCKET NO. 50-271  
UNIT NAME Vermont Yankee  
DATE 870210  
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
87-01	870111	S	0.00	B	4 Power Reduction	N/A	RB	ZZZZZZ	Power reduction for turbine bypass valve testing.

1  
F-Forced  
S-Scheduled

VYDPF 0411.03  
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2  
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-Other (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 Licensee Event  
Report (LER) File (NUREG 0161)

5  
Exhibit I - Same Source

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REPORT MONTH January

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.8% of rated thermal power for the month. Gross electrical generation was 401,444 MWH<sub>e</sub> or 99.9% of 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.

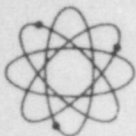
870111 At 0033 hours, reduced power to 80% to perform turbine surveillance. (See Unit Shutdowns and Power Reductions)

870111 At 0225 hours, completed turbine surveillance and a return to full power was started.

At the end of the reporting period the plant was operating at 99.9% of rated thermal power.

VYDPF 0411.04

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# VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157  
GOVERNOR HUNT ROAD  
VERNON, VERMONT 05354

VYV 87- 017  
February 10, 1987

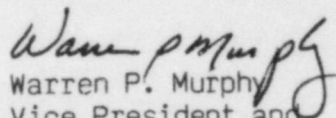
U. S. Nuclear Regulatory Commission  
Director, Office of Management Information  
and Program Control  
Washington, D. C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of January, 1987.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.

  
Warren P. Murphy  
Vice President and  
Manager of Operations

WPM/GAW/gmv:MSR1.1/MSR

VYDPF 0411  
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