

VERMONT YANKEE NUCLEAR POWER STATION

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January 10, 2002
BVY-02-01

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 6.6.B of the Vermont Yankee Technical Specifications, submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of December, 2001.

Sincerely,

VERMONT YANKEE NUCLEAR POWER STATION



Kevin H. Bronson
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 01-12

FOR THE MONTH OF DECEMBER 2001

OPERATING DATA REPORT

DOCKET NO. 50-271

DATE 020110

COMPLETED BY G.A. WALLIN

TELEPHONE (802) 258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee

2. Reporting Period: December

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	744.00	8760.00	254208.00
12. Number Of Hours Reactor was Critical	744.00	8191.75	215115.42
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	8146.24	211546.44
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1084652.80	12790376.25	320190083.66
17. Gross Electrical Energy Generated (MWH)	371612.00	4373388.00	107429589.00
18. Net Electrical Energy Generated (MWH)	357010.00	4171120.00	102219743.00
19. Unit Service Factor	100.00	93.00	82.20
20. Unit Availability Factor	100.00	93.00	82.20
21. Unit Capacity Factor (Using MDC Net)	94.10	93.40	78.60
22. Unit Capacity Factor (Using DER Net)	91.90	91.20	77.00
23. Unit Forced Outage Rate	0.00	0.65	4.08
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

VYDPF 0411.01 (Sample)

DP 0411 Rev. 7

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RT No. 13.F01.19F

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 020110

COMPLETED BY G.A. WALLIN

TELEPHONE (802)258-5414

MONTH December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	525	17.	473
2.	528	18.	446
3.	519	19.	516
4.	520	20.	523
5.	529	21.	529
6.	363	22.	529
7.	302	23.	529
8.	307	24.	526
9.	368	25.	529
10.	497	26.	530
11.	448	27.	529
12.	527	28.	529
13.	528	29.	529
14.	487	30.	529
15.	300	31.	526
16.	352		

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 (Sample)

DP 0411 Rev. 7

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RT No. 13.F01.18V

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER

DOCKET NO 50-271
 UNIT NAME Vermont Yankee
 DATE 020110
 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
01-08	011206	S	0.00	B	4 Power Reduction	N/A	RB	CONROD	Power suppression testing.
01-09	011211	S	0.00	H	4 Power Reduction	N/A	RB	CONROD	Rod pattern adjustment.
01-10	011214	S	0.00	B	4 Power Reduction	N/A	RB	CONROD	Power suppression testing.
01-11	011218	S	0.00	H	4 Power Reduction	N/A	RB	CONROD	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

REPORT MONTH December

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 91.5 of rated thermal power for the month. Gross electrical generation was 371,612 MWh or 91.5% 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.

011206 At 0800 hours, reducing power to 50% to perform power suppression testing . (See Unit Shutdowns and Power Reductions)
011206 At 0938 hours, initiated power suppression testing.
011209 At 0445 hours, completed power suppression testing.
011209 At 1315 hours, initiated a return to full power.
011211 At 0207 hours, reducing power to 70% for a rod pattern adjustment.
(See Unit Shutdowns and Power Reductions)
011211 At 0344 hours, completed rod pattern adjustment and began a return to full power.
011214 At 1904 hours, reducing power to 55% to perform additional power suppression testing . (See Unit Shutdowns and Power Reductions)
011214 At 2021 hours, initiated power suppression testing.
011216 At 0705 hours, completed power suppression testing.
011216 At 1526 hours, initiated a return to full power.
011218 At 0205 hours, reducing power to 70% for a rod pattern adjustment.
(See Unit Shutdowns and Power Reductions)
011218 At 0338 hours, completed rod pattern adjustment and began a return to full power.

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