

VERMONT YANKEE NUCLEAR POWER CORPORATION

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

January 10, 1991  
VYV 91-002

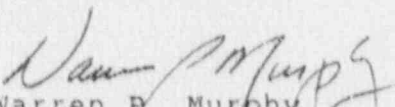
U.S. Nuclear Regulatory Commission  
A. N: Document Control Desk  
Washington, D.C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of December, 1990.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.

  
Warren B. Murphy  
Senior Vice President, Operations

- cc: 1) USNRC  
Region I  
475 Allendale Road  
King of Prussia, PA 19406
- 2) USNRC  
Resident Inspector, VYNPS

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VERMONT YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 90-12  
FOR THE MONTH OF DECEMBER, 1990

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 910110  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)257-7711

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): 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

NOTES:

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744.00	8760.00	158520.00
12. Number Of Hours Reactor was Critical	744.00	7522.77	128188.63
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	7394.53	125371.60
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1145248.00	11305748.50	185315305.00
17. Gross Electrical Energy Generated	384714.00	3793606.00	61747495.00
18. Net Electrical Energy Generated(MWH)	368954.00	3616271.00	58631970.00
19. Unit Service Factor	100.00	84.41	78.25
20. Unit Availability Factor	100.00	84.41	78.25
21. Unit Capacity Factor(Using MDC Net)	98.39	81.91	72.61
22. Unit Capacity Factor(Using DER Net)	96.48	80.31	71.19
23. Unit Forced Outage Rate	0.00	2.10	5.52
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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 910110  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)257-7711

MONTH December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	512	17.	421
2.	508	18.	497
3.	511	19.	484
4.	511	20.	516
5.	511	21.	517
6.	512	22.	517
7.	512	23.	512
8.	513	24.	492
9.	509	25.	517
10.	513	26.	517
11.	514	27.	519
12.	515	28.	513
13.	515	29.	517
14.	466	30.	516
15.	285	31.	517
16.	393		

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

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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 510110  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)257-7711

No.	Date	1 Type	Duration (hours)	2 Reason	Method of Shutting Down Reactor 3	License Event Report#	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
90-12	901215	S	0.00	B,H	N/A	N/A	RB	CONROD	Rod pattern exchange and scheduled maintenance.

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 Licensee  
 Event Report (LER) File  
 (NUREG 0161)  
 5 Exhibit I - Same Source

DOCKET NO. 50-271  
UNIT Vermont Yankee  
DATE 910110  
COMPLETED BY G.A. Wallin  
TELEPHONE (802)257-7711

REPORT MONTH December

## SUMMARY OF OPERATING EXPERIENCES

### Highlights

Vermont Yankee operated at 96.6% of rated thermal power for the month. Gross electrical generation was 384,714 MWh or 95.8% 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.

- 901215 At 0400 hours, initiated a power reduction to minimum recirculation flow to perform a rod pattern exchange and scheduled maintenance.
- 901215 At 0428 hours, initiated a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 901215 At 0530 hours, completed the rod pattern exchange and a return to 80% power was initiated. Remaining at 80% power until testing of the 379 transmission line is concluded.
- 901217 At 1337 hours, completed testing to the 379 transmission line, and began a return to full power.

At the end of the reporting period the plant was operating at 100.0% of rated thermal power.