

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 83-12

FOR THE MONTH OF DECEMBER, 1983

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PDR ADOCK 05000271
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OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 840113
 COMPLETED BY F. J. Burger
 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

Notes

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</u>	<u>8760.00</u>	<u>-----</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>6153.66</u>	<u>79698.65</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</u>	<u>6072.89</u>	<u>77492.58</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>1166723.00</u>	<u>9121437.00</u>	<u>112160679.50</u>
17. Gross Electrical Energy Generated(MWH)	<u>396256.00</u>	<u>3031931.00</u>	<u>37293078.00</u>
18. Net Electrical Energy Generated(MWH)	<u>380326.00</u>	<u>2874475.00</u>	<u>35365016.00</u>
19. Unit Service Factor	<u>100.00</u>	<u>69.33</u>	<u>78.39</u>
20. Unit Availability Factor	<u>100.00</u>	<u>69.33</u>	<u>78.39</u>
21. Unit Capacity Factor(Using MDC Net)	<u>101.43</u>	<u>65.11</u>	<u>70.98</u>
22. Unit Capacity Factor(Using DER Net)	<u>99.45</u>	<u>63.84</u>	<u>69.60</u>
23. Unit Forced Outage Rate	<u>0.00</u>	<u>17.86</u>	<u>7.38</u>
24. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each): <u>Refuel & Maint. Outage Schedule Starting 6/16/84 lasting 8 Weeks.</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):

	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 840113

COMPLETED BY F. J. Bürger

TELEPHONE (802) 257-7711

MONTH December, 1983

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	<u>521</u>
2.	<u>521</u>
3.	<u>523</u>
4.	<u>516</u>
5.	<u>522</u>
6.	<u>523</u>
7.	<u>522</u>
8.	<u>522</u>
9.	<u>522</u>
10.	<u>522</u>
11.	<u>515</u>
12.	<u>520</u>
13.	<u>520</u>
14.	<u>521</u>
15.	<u>521</u>
16.	<u>521</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17.	<u>377</u>
18.	<u>451</u>
19.	<u>518</u>
20.	<u>503</u>
21.	<u>504</u>
22.	<u>518</u>
23.	<u>516</u>
24.	<u>514</u>
25.	<u>507</u>
26.	<u>513</u>
27.	<u>517</u>
28.	<u>518</u>
29.	<u>521</u>
30.	<u>521</u>
31.	<u>520</u>

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 December

DOCKET NO 5-273
 UNIT NAME Vermont Yankee
 DATE 840113
 COMPLETED BY F. J. Bruger
 TELEPHONE (802) 257-7711

No.	Date	Typed ¹	Duration (Hours)	Reason ²	Method of Shutting ³ Down Reactor	License Event Report#	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
83-14	831217	S	0	B	4 Power Reduction	N/A	RB	Conrod	Power Reduction for Control Rod Pattern Exchange.
83-15	831220	(F)	0	H Ice in Intake Structure	4 Power Reduction	N/A	HF	ZZZZZZ	Power Reduction due to icing of the Intake Structure.

¹ F: Forced
S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & 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

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 840113

COMPLETED BY F. J. Burger

TELEPHONE (802) 257-7711

SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
There was no major safety related maintenance required for the month of December.	N/A	N/A	N/A	N/A	N/A

DOCKET NO.	<u>50-271</u>
UNIT	<u>Vermont Yankee</u>
DATE	<u>840113</u>
COMPLETED BY	<u>F. J. Burger</u>
TELEPHONE	<u>(802) 257-7711</u>

REPORT MONTH December, 1983

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 98.44% of rated thermal power for the month. Gross electrical generation was 396,256 MWh_e or 98.63% 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 99.91% of Rated Thermal Power.

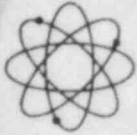
831217 At 0800 hrs a power reduction was initiated for a Control Rod Pattern Exchange.

831217 At 1520 hrs a return to full power was initiated.

831220 At 2100 hrs a power reduction was initiated due to icing of the intake structure.

831220 At 2330 hrs a return to full power was initiated.

At the end of the reporting period the plant was operating at 99.86% of Rated Thermal Power.



VERMONT YANKEE NUCLEAR POWER CORPORATION

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

VY 84-005

January 13, 1984

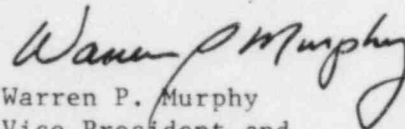
U.S. Nuclear Regulatory Commission
Director, Office of Management Information
and Program Control
Washington, DC 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the
Vermont Yankee Power Station for the month of December, 1983.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.


Warren P. Murphy
Vice President and
Manager of Operations

WPM/pt

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