

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 83-09

FOR THE MONTH OF SEPTEMBER, 1983

8310180096 831009  
PDR ADOCK 05000271  
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# OPERATING DATA REPORT

DOCKET NO. 50-271  
DATE 831009  
COMPLETED BY F.J. Burger  
TELEPHONE 802/257-7711

## OPERATING STATUS

1. Unit Name: Vermont Yankee  
2. Reporting Period: September  
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:  
NA

Notes

9. Power Level to Which Restricted, If Any(Net MWe): NA  
10. Reasons For Restrictions, If Any: NA

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.00</u>	<u>6,551.00</u>	<u>77,489.65</u>
12. Number Of Hours Reactor Was Critical	<u>720.00</u>	<u>3,946.66</u>	<u>0.00</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>720.00</u>	<u>3,863.89</u>	<u>108,696.413.00</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>36,121,799.00</u>
16. Gross Thermal Energy Generated(MWH)	<u>1,141,387.50</u>	<u>5,657,170.50</u>	<u>34,246,587.00</u>
17. Gross Electrical Energy Generated(MWH)	<u>373,926.00</u>	<u>1,806,652.00</u>	<u>77.89</u>
18. Net Electrical Energy Generated(MWH)	<u>350,984.00</u>	<u>1,756,046.00</u>	<u>77.89</u>
19. Unit Service Factor	<u>100.00</u>	<u>58.98</u>	<u>70.30</u>
20. Unit Availability Factor	<u>100.00</u>	<u>58.98</u>	<u>68.94</u>
21. Unit Capacity Factor(Using MDC Net)	<u>96.72</u>	<u>53.19</u>	<u>7.58</u>
22. Unit Capacity Factor(Using DER Net)	<u>94.84</u>	<u>52.15</u>	
23. Unit Forced Outage Rate	<u>0.00</u>	<u>25.47</u>	
24. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each):	<u>None</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_  
26. Units In Test Status(Prior to Commercial Operation):  
INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast

Achieved

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 5-271

UNIT Vermont Yankee

DATE 831009

COMPLETED BY F.J. Burger

TELEPHONE (802) 257-7711 X136

MONTH September

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1.	<u>486</u>
2.	<u>480</u>
3.	<u>487</u>
4.	<u>480</u>
5.	<u>483</u>
6.	<u>481</u>
7.	<u>483</u>
8.	<u>487</u>
9.	<u>488</u>
10.	<u>483</u>
11.	<u>474</u>
12.	<u>488</u>
13.	<u>491</u>
14.	<u>492</u>
15.	<u>494</u>
16.	<u>494</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17.	<u>491</u>
18.	<u>476</u>
19.	<u>485</u>
20.	<u>484</u>
21.	<u>484</u>
22.	<u>492</u>
23.	<u>495</u>
24.	<u>497</u>
25.	<u>478</u>
26.	<u>495</u>
27.	<u>493</u>
28.	<u>494</u>
29.	<u>494</u>
30.	<u>493</u>
31.	<u>-</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 September

DOCKET NO 50-271

UNIT NAME Vermont YankeeDATE 831009COMPLETED BY F.J. BurgerTELEPHONE (802) 257-7711 X136

No.	Date	Typed <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting <sup>3</sup> Down Reactor	License Event Report#	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
83-09	830925	S	0	B	4 (power red.)	N/A	RB	CONROD	Power reduction for control rod pattern adjustment.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
1- Manual  
2- Manual Scram  
3- Automatic Scram  
4- Other (Explain)

<sup>4</sup> Exhibit G- Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File  
(NUREG 0161)

<sup>5</sup> Exhibit I - Same Source

DOCKET NO. 50-271  
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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RWCU Valve, V12-18	Corrective MR83-1724	LER 83-22/3L	Sticking Torque Switch	Valve Would not Close	Replaced Torque Switch

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REPORT MONTH September

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.51% of rated thermal power for the month. Gross electrical generation was 373926 MWH<sub>e</sub> or 96.17% of design electrical capacity.

Operating Summary

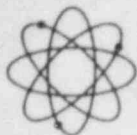
The following is a chronological description of plant operations including other pertinent items of interest for the month:

At the beginning of the reporting period the Plant was operating at 99.7% of rated thermal power.

830925 At 0030 hrs. a power reduction was initiated for control rod pattern adjustment and turbine surveillance.

830925 At 0230 hrs. a return to full power was started.

At the end of the reporting period the plant was operating at 99.84% of rated thermal power.



# VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157  
GOVERNOR HUNT ROAD  
VERNON, VERMONT 05354  
VYV 83-201

October 9, 1983

United States 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 September, 1983.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.

W.P. Murphy  
Vice President and  
Manager of Operations

FJB:pd

cc: Distribution

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