

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 82-10

FOR THE MONTH OF OCTOBER, 1982

8211180018 821109  
PDR ADOCK 05000271  
R PDR

# OPERATING DATA REPORT

DOCKET NO. 50-271  
DATE 821109  
COMPLETED BY F.J. Burger  
TELEPHONE (802) 257-7711 Ext. 137

## OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: October
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
0. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
1. Hours In Reporting Period	745.00	7296.00	—
2. Number Of Hours Reactor Was Critical	688.85	7000.84	72078.99
3. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
4. Hours Generator On-Line	676.67	6944.50	69955.69
5. Unit Reserve Shutdown Hours	0.00	0.00	0.00
6. Gross Thermal Energy Generated(MWH)	1,046,684.50	10,841,148.50	100,756,909.00
7. Gross Electrical Energy Generated(MWH)	350,602.00	3,611,407.00	33,483,378.00
8. Net Electrical Energy Generated(MWH)	332,047.00	3,428,474.00	31,744,760.00
9. Unit Service Factor	90.83	95.18	78.92
10. Unit Availability Factor	90.83	95.18	78.92
1. Unit Capacity Factor(Using MDC Net)	88.43	93.24	71.06
2. Unit Capacity Factor(Using DER Net)	86.71	91.42	69.68
3. Unit Forced Outage Rate	9.17	3.52	6.48
4. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each): An eight week refueling outage is scheduled to start March 5, 1983.			

5. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_
6. Units In Test Status(Prior to Commercial Operation):

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 821109

COMPLETED BY F.J. Burger

TELEPHONE (802) 257-7711 Ext. 137

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>495</u>
2.	<u>492</u>
3.	<u>473</u>
4.	<u>499</u>
5.	<u>492</u>
6.	<u>493</u>
7.	<u>491</u>
8.	<u>498</u>
9.	<u>498</u>
10.	<u>459</u>
11.	<u>498</u>
12.	<u>503</u>
13.	<u>496</u>
14.	<u>30</u>
15.	<u>0</u>
16.	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17.	<u>332</u>
18.	<u>472</u>
19.	<u>501</u>
20.	<u>512</u>
21.	<u>514</u>
22.	<u>517</u>
23.	<u>517</u>
24.	<u>513</u>
25.	<u>516</u>
26.	<u>519</u>
27.	<u>517</u>
28.	<u>517</u>
29.	<u>519</u>
30.	<u>414</u>
* 31.	<u>514</u>

\* 25 hour day

## 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 October

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 821109  
 COMPLETED BY F.J. Burger  
 TELEPHONE (802) 257-7711 Ext. 137

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
82-16	821010	S	N/A	B	4 (power reduction)	N/A	RB	CONROD	Power reduction for control rod pattern adjustment & turbine surveillance.
82-17	821014	F	68.3	A	2	N/A	HJ	PIPEXX	Plant shutdown to repair a steam leak in the main turbine moisture separator drain tank piping.
82-18	821030	S	N/A	B	4	N/A	RB	CONROD	Power reduction for a control rod pattern exchange and turbine surveillance.

<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
UNIT	Vermont Yankee
DATE	821109
COMPLETED BY	F.J. Burger
TELEPHONE	(802) 257-7711 Ext. 137

SAFETY RELATED MAINTENANCE

Page 1 of 2

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Control Room HVAC Equipment	Corrective MR 82-0398	N/A	End of Life	Needs Replace- ment	Replaced Equipment As Necessary
Bypass Valve for PCIS Steam Flow Switch DPIS 2-118A	Corrective MR 82-0897	N/A	Worn Parts	Stuck in Closed Position	Replaced Valve Manifold
RHR Valve V10-65A	Corrective MR 82-1118	N/A	Worn Packing	Leakage	Adjusted Packing
RBCCW Pump P-59-1B	Preventive MR 82-1180	N/A	Worn Parts	Inboard Bearing Noisy	Replaced Bearing
"A" Emergency Diesel Generator	Corrective MR 82-1197	LER 82-22/3L	Failed Fuel Oil Check Valve	Slow Starting Time	Connections Replaced Valve
RCIC Cooling Water Pressure Control PC-23	Corrective MR 82-1245	N/A	Normal Wear	Erratic Operation	Adjusted Set Point
RCIC Vacuum Pump Packing	Corrective MR 82-1250	N/A	Normal Wear	Leakage	Adjusted Packing
RBCCW Valve V70-111B	Corrective MR 82-1283	N/A	Normal Wear	Leakage	Adjusted Packing

DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	821109
COMPLETED BY	F.J. Burger
TELEPHONE	(802) 257-7711 Ext. 137

SAFETY RELATED MAINTENANCE

Page 2

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RBCCW Surge Tank Level Jo-Bells	Corrective MR 82-1284	N/A	Dirt	Sticking	Cleaned & Flushed Jo Bells
RCIC Turbine Signal Cable	Preventive MR 82-1288	N/A	Age, Wear	Insulation Cracked & Broken	Replaced Cable

DOCKET NO.	<u>50-271</u>
UNIT	<u>Vermont Yankee</u>
DATE	<u>821109</u>
COMPLETED BY	<u>F.J. Burger</u>
TELEPHONE	<u>(802) 257-7711 Ext. 137</u>

REPORT MONTH October

## SUMMARY OF OPERATING EXPERIENCES

### Highlights

Vermont Yankee operated at 88.19% of rated thermal power for the month. Gross electrical generation was 350,602 MWH<sub>e</sub> or 87.14% 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 99.8% of rated thermal power.

- 821010 At 0030 hrs. a power reduction was initiated for a control rod pattern adjustment and turbine surveillance.
- 821010 At 0300 hrs. a return to full power was started.
- 821014 At 0030 hrs. a manual shutdown of the plant was initiated for the repair of a steam leak (See Unit Shutdowns and Power Reductions).
- 821014 At 0311 hrs. the turbine generator was removed from the grid.
- 821014 At 0328 hrs. the reactor was manually scrammed.
- 821016 At 1024 hrs. a reactor startup was initiated.
- 821016 At 1137 hrs. the reactor was critical.
- 821016 At 2331 hrs. the turbine generator was phased to the grid.
- 821030 At 0030 hrs. a power reduction was initiated for a control rod pattern adjustment.
- 821030 At 0243 hrs. a return to full power was started.

At the end of the reporting period, the plant was operating at 99.89% of rated thermal power.