

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 81-06

FOR THE MONTH OF JUNE, 1981

# OPERATING DATA REPORT

DOCKET NO. 50-271

DATE 810708

COMPLETED BY F.J. Burger

TELEPHONE (802)257-2711

Ext. 137

## OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: June
3. Licensed Thermal Power(MWt): 1593
4. Nameplate Rating(Gross MWe): 540
5. Design Electrical Rating(Net MWe): 514(cc) 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
9. Power Level to Which Restricted, If Any(Net MWe):
0. Reasons For Restrictions, If Any:

Notes

	This Month	Yr-to-Date	Cumulative
1. Hours In Reportin Period	720.00	343.00	
2. Number Of Hours Reactor Was Critical	720.00	4,310.12	61,845.90
3. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
4. Hours Generator On-Line	720.00	4,252.05	59,853.63
5. Unit Reserve Shutdown Hours	0.00	0.00	0.00
6. Gross Thermal Energy Generated(MWH)	1,141,936.50	6,533,764.00	85,137,281.00
7. Gross Electrical Energy Generated(MWH)	372,926.00	2,194,666.00	28,307,513.00
8. Net Electrical Energy Generated(MWH)	350,488.00	2,094,349.00	26,841,928.00
9. Unit Service Factor	100.00	37.91	77.81
0. Unit Availability Factor	100.00	97.91	77.81
1. Unit Capacity Factor(Using MDC Net)	96.59	95.68	69.24
2. Unit Capacity Factor(Using DER Net)	94.71	93.82	67.89
3. Unit Forced Outage Rate	0.00	2.09	6.96
4. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each):	Refueling outage scheduled to start October 17, 1981 and continue for seven weeks.		

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

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UNIT Vermont Yankee

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MONTH June

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1.	<u>492</u>
2.	<u>492</u>
3.	<u>491</u>
4.	<u>486</u>
5.	<u>488</u>
6.	<u>479</u>
7.	<u>490</u>
8.	<u>492</u>
9.	<u>488</u>
10.	<u>489</u>
11.	<u>489</u>
12.	<u>490</u>
13.	<u>489</u>
14.	<u>479</u>
15.	<u>485</u>
16.	<u>479</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17.	<u>484</u>
18.	<u>488</u>
19.	<u>485</u>
20.	<u>486</u>
21.	<u>477</u>
22.	<u>484</u>
23.	<u>487</u>
24.	<u>490</u>
25.	<u>485</u>
26.	<u>488</u>
27.	<u>491</u>
28.	<u>482</u>
29.	<u>489</u>
30.	<u>488</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 June

DOCKET NO 50-271  
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No.	Date	Typed	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
	None								

1 F: Forced  
C: 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)

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Exhibit G- Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File  
 (NUREG 0161)

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Exhibit I - Same Source

DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	810708
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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Containment Spray Manual Override Key Lock Switch For The "BD" RHR Loop	Corrective MR 81-638	N/A	Worn Parts	Spurious Alarms	Replaced Switch Contact Blocks
Breaker For The "B" RHR Service Water Pump	Corrective MR 81-642	N/A <sup>(1)</sup>	Worn Parts	Breaker Would Not Stay Closed	Replaced Worn Bushings
"B" RBCCW Heat Exchanger	Corrective MR 81-655	N/A	Unknown	Tube Leakage	Plugged Tubes
Temperature Indicator TI-VC-4A	Corrective MR 81-663	N/A	Instrument Drift	Out Of Cal- ibration	Replaced Indicator
"A" RBCCW Heat Exchanger	Corrective MR 81-687	N/A	Unknown	Tube Leakage	Plugged Tubes
RCIC Valve V13-18	Corrective MR 81-699	N/A	Torque Switch Out Of Adjust- ment	Valve Would Open Only When Control Switch Was Held In The Open Position	Reset Torque Switch
RCIC Trip/Throttle Valve	Preventative MR 81-704	N/A	Dirt/Corrosion	Slow Actuation	Disassembled, Cleaned, and Replaced Parts As Necessary

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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RWCU Heat Exchanger E-15-1A	Corrective MR 81-722	LER 81-16/3L	Unknown	Vent Line Reducer Cracked And Leaking	Replaced Parts As Necessary
Service Water Pump P7-1A	Corrective MR 81-737	N/A	Normal Wear	Packing Gland Leakage	Adjusted Packing Gland
(1) This MR documents the breaker repair. MR 81-640 documented the installation of the spare breaker when this breaker failed to close (LER 81-15/3L) and was reported in the May Statistical Report.					

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REPORT MONTH June

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.56% of rated thermal power for the month. Gross electrical generation was 372,926 MWH<sub>e</sub> or 95.91% of design electrical capacity.

Operating Summary

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

- 6/1/81            At the beginning of the reporting period the plant was operating at 99.7% of rated thermal power.
- 6/30/81            At the end of the reporting period the plant was operating at 99.8% of rated thermal power.