

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 80-06

FOR THE MONTH OF JUNE, 1980

8007180400

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 800708  
 COMPLETED BY F.C. Beers  
 TELEPHONE 617-366-9011 X2215

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: June 1980
3. Licensed Thermal Power (MWt): 1593
4. Nameplate Rating (Gross MWe): 540
5. Design Electrical Rating (Net MWe): 514 (open) 504 (closed)
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:

Notes

9. Power Level To Which Restricted. If Any (Net MWe): \_\_\_\_\_
10. Reasons For Restrictions. If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,367.00	--
12. Number Of Hours Reactor Was Critical	672.28	4,173.71	55,332.10
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	660.00	4,118.60	53,446.38
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	969,742.00	6,309,189.00	75,533,802.00
17. Gross Electrical Energy Generated (MWH)	318,668.00	2,141,802.00	25,111,472.00
18. Net Electrical Energy Generated (MWH)	298,640.00	2,043,101.00	23,811,466.00
19. Unit Service Factor	91.67	94.31	78.41
20. Unit Availability Factor	91.67	94.31	78.41
21. Unit Capacity Factor (Using MDC Net)	82.30	92.83	69.31
22. Unit Capacity Factor (Using DER Net)	80.70	91.02	67.96
23. Unit Forced Outage Rate	8.33	2.07	6.19

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
  1. CRD Testing as required by the NRC scheduled for Mid July. Duration unknown
  2. Annual refueling scheduled for eight weeks beginning September 26, 1980

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

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

DOCKET NO. 50-171  
UNIT Vermont Yankee  
DATE 800708  
COMPLETED BY F.J. Burger  
TELEPHONE 802-257-7711 X137

REPORT MONTH June, 1980

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 84.55% of rated thermal power for the month. Gross electrical generation was 318,668 MWh<sub>e</sub> or 81.96% design electrical capacity.

Operating Summary

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

- 6/1/80 At the beginning of the reporting period the plant was at 99.1% of rated thermal power.
- 6/11/80 At 1200 hrs. a power reduction was initiated to investigate leakage into the containment. This was followed by a shutdown to repair a leak in a feedwater check valve. The turbine was tripped at 1710 hours.
- 6/13/80 At 1110 hrs. a start-up was initiated. The turbine was phased onto the grid at 2043 hrs.
- 6/15/80 At 0927 hrs. "B" Recirculation Pump tripped causing a power reduction. The pump was restarted and a power ascension initiated.
- 6/17/80 At 1401 hrs. the reactor scrammed due to a turbine trip caused by a high water level in a moisture seperator drain tank. The problem was resolved (see attached Shutdown & Power Reductions Sheet) and a plant startup initiated. The turbine was phased onto the grid at 2231 hrs.
- 6/30/80 At the end of the reporting period the plant was a 99.5% of rated thermal power.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 00708

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TELEPHONE 802-257-7711 X137

MONTH June 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	491
2	492
3	489
4	491
5	495
6	492
7	493
8	493
9	497
10	498
11	289
12	0
13	24
14	311
15	303
16	339

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	251
18	323
19	377
20	457
21	493
22	492
23	489
24	484
25	480
26	468
27	457
28	494
29	492
30	490
31	

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

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 DATE 800708  
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 TELEPHONE 1-802-257-7711 X 137

REPORT MONTH June

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-14	80-06-11	F	51.5	A	1	N/A	CH	VALVEX	Leakage from feedwater check valve caused by failed valve seal. Replaced seal.
80-15	80-06-15	F	0	A	4 (power reduction)	N/A	CB	RELAYX	Recirculation pump tripped while resetting pump MG set relays. Restarted pump.
80-16	80-06-17	F	8.5	A	3	N/A	HA	VALVEX	High level in main turbine moisture separator drain tank tripped the turbine and scrammed the reactor. High level caused by faulty drain valve. The valve was repaired.

<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 (NURIG 0161)

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

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MONTHLY EQUIPMENT MAINTENANCE

June 1980

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EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE	RESULT	CORRECTIVE ACTION
Main Steam Valve MS 938, EPR Sensing Line Isolation	Corrective MR80-397	N/A	Worn Packing	Leakage	Replaced bonnet gasket and packing.
RWCU Valve V-12-19A	Corrective MR80-409	N/A	Worn Parts	Leakage	Replaced seal ring & packing
RHR Valve V10-46A	Corrective MR80-488	N/A	Worn Parts	Leakage	Replaced gasket & packing
Feed Water Check Valve V2-28B	Corrective MR80-613	Outage 80-14	Worn Parts	Leakage	Replaced seal ring
Drywell Air Lock Inner Door Gasket	Corrective MR80-619	N/A	Component Deterioration	Degraded Gasket	Replaced gasket
RPS Relay 5A-K12A	Corrective MR80-493	N/A	Component Deterioration	Burned Relay	Replaced relay coil
Steam Tunnel Temp. Switch TS-2-121D	Corrective MR80-584	N/A	Component Malfunction	Set Point Drift	Replaced switch
Containment Sampling System Isolation Valve 109-76A	Corrective MR80-634	LER 80-20/3L	Dirt	Valve Sticking	Disassembled and cleaned valve.