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VERMONT YANKEE NUCLEAR POWER STATION  
MONTHLY STATISTICAL REPORT 80-04  
FOR THE MONTH OF APRIL, 1980

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 800412  
 COMPLETED BY F. C. Beers  
 TELEPHONE 617-366-9011 X2215

OPERATING STATUS

1. Unit Name: Vermont Yankee  
 2. Reporting Period: April 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 \* Time change during report period.

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	719*	2,903.00	- - -
12. Number Of Hours Reactor Was Critical	701.13	2,757.43	53,915.82
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	682.50	2,714.60	52,042.38
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,058,111.50	4,166,248.00	73,390,861.00
17. Gross Electrical Energy Generated (MWH)	362,493.00	1,427,733.00	24,397,403.00
18. Net Electrical Energy Generated (MWH)	347,724.00	1,370,163.00	23,138,528.00
19. Unit Service Factor	94.92	93.51	78.03
20. Unit Availability Factor	94.92	93.51	78.03
21. Unit Capacity Factor (Using MDC Net)	95.96	93.65	68.83
22. Unit Capacity Factor (Using DER Net)	94.09	91.83	67.49
23. Unit Forced Outage Rate	0.0	.98	6.24

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

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UNIT Vermont Yankee

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MONTH April 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	140
3	411
4	420
5	511
6	524
7	523
8	515
9	487
10	523
11	524
12	525
13	519
14	524
15	524
16	525

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	525
18	524
19	524
20	513
21	525
22	522
23	522
24	523
25	524
26	524
27	495
28	524
29	523
30	524
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.

DOCKET NO. 50-271UNIT Vermont YankeeDATE 800412COMPLETED BY F. C. BeersTELEPHONE 617-366-9011 X2215SAFETY RELATED MAINTENANCE APRIL 1980

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
"A" Recirculation Loop Flow Transmitter 2-110A	Corrective MR 80-161	N/A	Defective parts	Output oscillating	Replaced transmitter
HPCI Flow Controller FIC 23-108	Corrective MR 80-351	LER 80-13/3L	Defective parts	No output	Replaced controller
IRM 7-41D	Corrective MR 80-372	N/A	Defective parts	High noise output	Replaced parts and cleaned
Recirculation Loop Discharge Valve V2-53B	Corrective MR 80-376	LER 80-15/3L	Motor Operator defective	Valve inoperable	Repaired motor operator
UPS "B"	Corrective MR 80-441	N/A	Failed LED	Blown fuse indication lost	Replaced LED
PCIS Valve FSO-109-76B	Corrective MR 80-461	LER 80-17/3L	Dirt	Valve would not shut	Disassembled and cleaned valve
UPS "A"	Corrective MR 80-482	LER 80-14/3L	Set point drift	AC output frequency drifting	Adjusted output frequency

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-271  
 UNIT NAME Vermont Yankee  
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 TELEPHONE 617-366-9011 X2 15

REPORT MONTH April 1980

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
80-9 (cont.)	800401	S	36.5	B	1	N/A	HP	VALEX	Main steam valve which isolates the steam supply to the main turbine steam seal regulator was leaking steam to the atmosphere. Valve was replaced with piping.
80-10	800420	S	0	H	4 (Power Reduction)	N/A	RA	CONROD	Turbine surveillance & control rod adjustment.
80-11	800427	S	0	H	4 (Power Reduction)	N/A	RA	CONROD	Turbine surveillance & control rod adjustment.

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

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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

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REPORT MONTH APRIL 1980

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 92.2% of rated thermal power for the month. Gross electrical generation was 362,493 MWh<sub>e</sub> or 93.2% of design electrical capacity.

Operating Summary

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

- 4/1/80 At the beginning of the reporting period the plant was shutdown.
- 4/1/80 At 1650 hrs. a startup was commenced. The reactor was critical at 1752 hrs.
- 4/2/80 At 1222 hrs. the turbine was phased onto the grid.
- 4/20/80 At 0100 hrs. power was reduced for Surveillance Testing and control rod adjustment.
- 4/27/80 At 0100 hrs. power was reduced for Surveillance Testing and control rod adjustment.
- 4/30/80 At the end of the reporting period the plant was at 99.9% rated thermal power.