

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 83-04

FOR THE MONTH OF APRIL, 1983

8305170007 830512  
PDR ADOCK 05000271  
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 830509  
 COMPLETED BY F.J. Burger  
 TELEPHONE 802/257-7711  
 Ext. 136

OPERATING STATUS

Notes

1. Unit Name: Vermont Yankee
2. Reporting Period: April
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
9. Power Level to Which Restricted,If Any(Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	719.00	2,879.00	---
12. Number Of Hours Reactor Was Critical	0.00	1,471.42	75,014.41
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	0.00	1,459.20	72,878.89
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	0.00	1,939,956.50	105,029,199.00
17. Gross Electrical Energy Generated(MWH)	0.00	666,902.00	34,928,049.00
18. Net Electrical Energy Generated(MWH)	0.00	637,364.00	33,127,905.00
19. Unit Service Factor	0.00	50.68	78.38
20. Unit Availability Factor	0.00	50.68	78.38
21. Unit Capacity Factor(Using MDC Net)	0.00	43.93	70.69
22. Unit Capacity Factor(Using DER Net)	0.00	43.07	69.32
23. Unit Forced Outage Rate	0.00	3.49	6.30
24. Shutdowns Scheduled Over Next 6 Months(Type, Date, and Duration of Each): <u>Refueling outage,currently in progress, started March 5, 1983</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 15, 1983
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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MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	0	17.	0
2.	0	18.	0
3.	0	19.	0
4.	0	20.	0
5.	0	21.	0
6.	0	22.	0
7.	0	23.	0
8.	0	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	27.	0
12.	0	28.	0
13.	0	29.	0
14.	0	30.	0
15.	0	31.	--
16.	0		

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 April

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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
83-04 (cont)	830305	S	719	C	3	N/A	N/A	N/A	Continuing the 1983 Refueling Outage.

<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

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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Drywell Hi Pressure Scram Relay 5A-K4A	Preventative MR 82-0387	N/A	Worn Parts	Relay Chatter	Rebuild Relay
RCIC Valve V13-21	Corrective MR 82-0726	N/A	Worn Parts	Seat Leakage	Lapped Seat
RCIC Instrument Isolation Valve V13-87C	Corrective MR 82-0882 MR 83-1090	N/A	Worn Parts	Leakage	Replaced Valve
IRM "D"	Corrective MR 82-1070	N/A	Failed Parts	Erratic Indication	Replaced Detector and Drywell Cable
IRM "B"	Corrective MR 82-1071	N/A	Failed Parts	Erratic Indication	Replaced Detector and Drywell Cable
Instrument Isolation Valve A-12 for Main Steam Flow Instruments	Corrective MR 82-1275 MR 82-1548	N/A	Worn Parts	Leakage	Replaced Valve
HPCI Low Pressure Switch PS-23-68D Instrument Isolation Valve	Corrective MR 83-0162	N/A	Worn Parts	Leakage	Replaced Valve
Reactor Building Ventilation Monitor 17-452B	Corrective MR 83-0265	N/A	Failed Parts	Erratic Spiking Causing Group III Isolation	Replaced Parts

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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Reactor Jet Pump Instrument Block Valve 2-3-64W	Corrective MR 83-0278	N/A	Worn Parts	Leakage	Replaced Valve
Reactor Jet Pump Instrument Block Valve 2-3-63B	Corrective MR 83-0283	N/A	Worn Parts	Leakage	Replaced Valve
Off Gas Rad Monitor 17-150A	Corrective MR 83-0437	N/A	Failed Parts	Erratic Indication	Replaced Drawer
RWCU Valve V12-74	Corrective MR 83-0516	N/A	Worn Parts	Seat Leakage	Lapped Seat and Ground Disc
Main Steam Flow Instrument Block Valve	Corrective MR 83-0569	N/A	Worn Parts	Leakage	Replaced Valve
RWCU Valve V12-68	Corrective MR 83-0608	N/A	Failed Limit Switches	Valve Continues To Drive Shut After Closed	Replaced Limit Switches and Valve Stem

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REPORT MONTH April

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 0% of rated thermal power for the month.  
Gross electrical generation was 0 MWh<sub>e</sub> or 0% of design electrical capacity.

Operating Summary

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

Throughout the reporting period the plant was shutdown for the 1983 Refueling Outage.