

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 83-03

FOR THE MONTH OF MARCH, 1983

8304190272 830414
PDR ADOCK 05000271
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 830409
COMPLETED BY F.J. Burger
TELEPHONE 802/257-7711
Ext. 136

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: March
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

Notes

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744.00	2,160.00	----
12. Number Of Hours Reactor Was Critical	96.06	1,471.42	75,014.41
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	96.00	1,459.20	72,878.89
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	119,971.00	1,989,956.50	105,029,199.00
17. Gross Electrical Energy Generated(MWH)	39,962.00	666,902.00	34,928,049.00
18. Net Electrical Energy Generated(MWH)	38,085.00	637,364.00	33,127,905.00
19. Unit Service Factor	12.90	67.56	78.99
20. Unit Availability Factor	12.90	67.56	78.99
21. Unit Capacity Factor(Using MDC Net)	10.16	58.55	71.24
22. Unit Capacity Factor(Using DER Net)	9.96	57.41	69.86
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 in progress</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: May 30, 1983
26. 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

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MONTH March

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	<u>406</u>
2.	<u>405</u>
3.	<u>404</u>
4.	<u>371</u>
5.	<u>0</u>
6.	<u>0</u>
7.	<u>0</u>
8.	<u>0</u>
9.	<u>0</u>
10.	<u>0</u>
11.	<u>0</u>
12.	<u>0</u>
13.	<u>0</u>
14.	<u>0</u>
15.	<u>0</u>
16.	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17.	<u>0</u>
18.	<u>0</u>
19.	<u>0</u>
20.	<u>0</u>
21.	<u>0</u>
22.	<u>0</u>
23.	<u>0</u>
24.	<u>0</u>
25.	<u>0</u>
26.	<u>0</u>
27.	<u>0</u>
28.	<u>0</u>
29.	<u>0</u>
30.	<u>0</u>
31.	<u>0</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 March

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No.	Date	Typed ¹	Duration (Hours)	Reason ²	Method of Shutting ³ Down Reactor	License Event Report#	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
83-04	830305	S	648	C	3	N/A	N/A	N/A	Shutdown for 1983 Refueling Outage.

¹ F: Forced
S: 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)

⁴ Exhibit G- Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File
 (NUREG 0161)

⁵ Exhibit I - Same Source

DOCKET NO.	50-271
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SAFETY RELATED MAINTENANCE

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EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RCIC Valve V 13-21	Corrective MR 82-0511	N/A	Worn Parts	Seat Leakage	Lapped Seat
RCIC Valve V13-20	Corrective MR 82-0539	N/A	Worn Parts	Seat Leakage	Replaced Seal Ring
RCIC Valve V13-30	Corrective MR 82-0545	N/A	Worn Parts	Seat Leakage	Ground Disk
RHR Service Water Pump P8-1B	Corrective MR 82-1281	N/A	Worn Motor-to- Pump Coupling	High Vibration	Repaired Coupling
HCU's 06-27, 14-23 and 18-23 Air Supply Tubing to the Scram Valves	Corrective MR 82-1381 MR 82-1442	N/A	Worn Parts	Air Leakage	Replaced Tubing
HCU 26-23 Scram Solenoids and Pilot Valves	Corrective MR 83-0119	N/A	Worn Parts	Valve Chatter	Rebuilt Solenoids and Pilot Valves
"B" Main Steam Drawer (RPS) Trip Potentiometer	Corrective MR 83-0296	N/A	Worn Parts	Shorted Potentiometer	Replaced Potentiometer
HCU 10-19 113 Valve	Corrective MR 83-0340	N/A	Worn Parts	Seat Leakage	Rebuilt Valve
PCAC Valve V16-19-9	Corrective MR 83-0396	N/A	Valved Used as A Welding Ground	Valve Out of Commission	Replaced Parts as Necessary
"A" Diesel Generator Air Compressor Unloader Supply Tubing	Corrective MR 83-0402	N/A	Wear/Vibration	Air Leakage	Replaced Tubing

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SAFETY RELATED MAINTENANCE

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EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Cooling Water Check Valve 138 on Various HCU's	Corrective MR 83-0409	N/A	Wear	Valve Chatter	Lapped Seats
Feed Water Check Valve V2-96A	Corrective MR 83-0411	LER 83-10/3L	Seat Seal Failure	Leakage	Replaced Seat Resilient Seal
Reactor Recirc. Discharge Valves V2-53A&B	Preventive MR 83-0434	N/A	Environment	Corroded Limit Switch Contacts	Replaced Terminals and Cleaned Contacts

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REPORT MONTH March

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 10.12% of rated thermal power for the month. Gross electrical generation was 39,962 MWH_e or 9.94% 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 80% of rated thermal power. The coastdown toward the refueling outage was in progress.

830304 At 2100 hours, a shutdown was initiated for the refueling outage.

830305 At 0000 hours the turbine generator was removed from the grid.

830305 At 0004 hours the reactor automatically scrammed.

At the end of the reporting period, the plant was in cold shutdown and the refuel outage in progress.