

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 82-02

FOR THE MONTH OF FEBRUARY, 1982

8204150494 820309
PDR ADOCK 05000271
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 820309
COMPLETED BY F.J. Burger
TELEPHONE (802) 257-7711
ext. 137

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: February 1982
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:

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	672.00	1,416.00	-----
12. Number Of Hours Reactor Was Critical	672.00	1,366.67	66,444.82
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	672.00	1,358.18	64,369.37
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1,066,172.50	2,108,344.00	92,024,104.50
17. Gross Electrical Energy Generated(MWH)	363,336.00	717,150.00	30,589,121.00
18. Net Electrical Energy Generated(MWH)	348,274.00	687,882.00	29,004,168.00
19. Unit Service Factor	100.00	95.92	77.78
20. Unit Availability Factor	100.00	95.92	77.78
21. Unit Capacity Factor(Using MDC Net)	102.83	96.39	69.54
22. Unit Capacity Factor(Using DER Net)	100.83	94.51	68.19
23. Unit Forced Outage Rate	0.00	4.08	6.74
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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MONTH February

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	<u>503</u>
2.	<u>517</u>
3.	<u>520</u>
4.	<u>520</u>
5.	<u>520</u>
6.	<u>521</u>
7.	<u>512</u>
8.	<u>520</u>
9.	<u>521</u>
10.	<u>521</u>
11.	<u>521</u>
12.	<u>520</u>
13.	<u>520</u>
14.	<u>509</u>
15.	<u>520</u>
16.	<u>520</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17.	<u>520</u>
18.	<u>521</u>
19.	<u>520</u>
20.	<u>520</u>
21.	<u>512</u>
22.	<u>519</u>
23.	<u>521</u>
24.	<u>520</u>
25.	<u>520</u>
26.	<u>520</u>
27.	<u>520</u>
28.	<u>514</u>
29.	<u>---</u>
30.	<u>---</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 February

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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
									During the reporting period there were no shutdowns or power reductions greater than 20% of rated thermal power

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

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SAFETY RELATED MAINTENANCE

1 of 2

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RCIC Valve V13-48	Corrective MR82-0141	NA	Normal Wear	Packing Leak	Adjusted Packing
RPS Relay 5A-K5B	Preventive MR82-0154	NA	Nearing End of Life	Relay Heating Up	Rebuilt Relay
Service Water Pump P7-1A	Corrective MR82-0177 MR82-0251	NA	Normal Wear	Packing Leak	Adjusted Packing
SLC Pumps P 45-1A & B	Corrective MR82-0186	NA	Normal Wear	Packing Leak	Adjusted Packing
"A" Emergency Diesel Fuel Oil Filter	Corrective MR82-0192	NA	Normal Use	Filter D/P High	Replaced Filter
CAD Valve 109-75-C1	Corrective MR82-0194	NA	Loose Connection	No Shut Indica- tions	Tightened Connections
UPS "A"	Corrective MR82-0199	NA	Failed Components	Blown Fuse Alarm	Replaced Components
RBCCW Pump P59-1A	Corrective MR82-0231	NA	Normal Wear	Failed Seals	Replaced Seals
Reactor Relief Valve V2-71A, Tail Pipe Pressure Switch	Corrective MR82-0232	NA	Failed Components	Switch Closed	Replaced Switch

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SAFETY RELATED MAINTENANCE

2 of 2

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
"A" SBTG Filter Test Cartridge	Preventive MR82-0237	NA	Surveillance	NA	Replaced Test Cartridge
"A" Emergency Diesel Fuel Oil Valve FO-14A	Corrective MR82-0244	NA	Normal Wear	Leakage	Adjusted Packing
UPS "B"	Corrective MR82-0242	LER 82-2/3L	Failed Components	Unit Tripped	Replaced Components

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REPORT MONTH February

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.59% of rated thermal power for the month. Gross electrical generation was 363,336 MWh_e or 100.12% 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 91% of rated thermal power.

During the reporting period there were no shutdowns or power reductions greater than 20% of rated thermal power.

At the end of the reporting period the plant was operating at 99% of rated thermal power.