

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 85-02
FOR THE MONTH OF FEBRUARY, 1985

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OPERATING DATA REPORT

Docket No. 50-271
 Date 850308
 Completed by F.J. Burger
 Telephone (802) 257-7711

OPERATING STATUS

Notes:

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

	<u>This month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>672.00</u>	<u>1416.00</u>	<u> </u>
12. Number of Hours Reactor was Critical	<u>656.97</u>	<u>1400.97</u>	<u>88214.90</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>651.55</u>	<u>1395.55</u>	<u>85825.62</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
16. Gross Thermal Energy Generated (MWH)	<u>1014624.00</u>	<u>2195059.00</u>	<u>124754068.50</u>
17. Gross Electrical Energy Generated (MWH)	<u>344,027.00</u>	<u>744606.00</u>	<u>41534354.00</u>
18. Net Electrical Energy Generated (MWH)	<u>329,998.00</u>	<u>714406.00</u>	<u>39415254.00</u>
19. Unit Service Factor	<u>96.96</u>	<u>98.56</u>	<u>78.70</u>
20. Unit Availability Factor	<u>96.96</u>	<u>98.56</u>	<u>78.70</u>
21. Unit Capacity Factor (using MDC Net)	<u>97.43</u>	<u>100.10</u>	<u>71.71</u>
22. Unit Capacity Factor (using DER Net)	<u>95.54</u>	<u>98.16</u>	<u>70.31</u>
23. Unit Forced Outage Rate	<u>3.04</u>	<u>1.44</u>	<u>7.29</u>

24. Shutdowns scheduled over next 6 months (Type, Date and Duration of Each):
1985 Refueling Outage to begin September 14, 1985 and continue through
April 26, 1986.

25. If shut down at end of report period, estimated date of startup: _____
26. Units in Test Status (prior to commercial operation):

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	<u> </u>	<u> </u>
Initial Electricity	<u> </u>	<u> </u>
Commercial Operation	<u> </u>	<u> </u>

AVERAGE DAILY UNIT POWER LEVEL

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MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>518</u>	17	<u>514</u>
2	<u>427</u>	18	<u>519</u>
3	<u>495</u>	19	<u>519</u>
4	<u>518</u>	20	<u>519</u>
5	<u>519</u>	21	<u>519</u>
6	<u>238</u>	22	<u>518</u>
7	<u>218</u>	23	<u>519</u>
8	<u>490</u>	24	<u>511</u>
9	<u>487</u>	25	<u>519</u>
10	<u>515</u>	26	<u>518</u>
11	<u>519</u>	27	<u>518</u>
12	<u>519</u>	28	<u>518</u>
13	<u>519</u>	29	<u>---</u>
14	<u>520</u>	30	<u>---</u>
15	<u>520</u>	31	<u>---</u>
16	<u>520</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.

MSR.F2

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February

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No.	Date	1 Typed	Duration (hours)	2 Reason	3 Method of Shutting Down Reactor	License Event Report #	4 System Code	5 Component Code	Cause and Corrective Action to Prevent Recurrence
85-02	850202	S	0	B	4 Power Reduction	N/A	RB	CONROD	Power reduction for control rod pattern exchange and turbine surveillance.
85-03	850206	F	20.45	A	3	85-04	IA	INSTRU.	Main Turbine trip and subsequent reactor scram were caused by an erroneous trip signal traced to corroded test switch contacts. The switch was replaced.
85-04	850209	S	0	B	4 Power Reduction	N/A	RB	CONROD	Power reduction for control rod pattern adjustment and turbine surveillance.

1
F-Forced
S-Scheduled

2
A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and 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

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Core Spray Test Switch 14AS14B	Corrective MR 85-0256	LER 85-04	Corroded Contacts	Increased voltage drop across contacts tripped relay and scrambled plant.	Replaced Switch

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REPORT MONTH February

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 94.8% of rated thermal power for the month. Gross electrical generation was 344,027 MWh_e or 94.8% 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 99.8% of rated thermal power.

850202 At 0800 hours a power reduction was initiated for control rod & turbine surveillance.

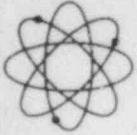
850202 At 1020 hours a return to full power was started.

850206 At 1104 hours the main turbine tripped and the reactor scrammed.
(See Unit Shutdowns & Power Reductions.)

850207 At 0206 hours the reactor was critical.

850207 At 0731 hours the turbine generator was phased to the grid.

At the end of the reporting period the plant was operating at 99.8% of rated thermal power.



VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157
GOVERNOR HUNT ROAD
VERNON, VERMONT 05354

VYV 85-124

March 8, 1985

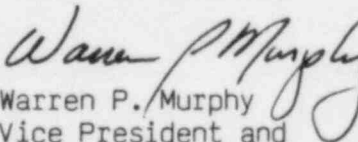
U. S. Nuclear Regulatory Commission
Director, Office of Management Information
and Program Control
Washington, D. C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of February, 1985.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION


Warren P. Murphy
Vice President and
Manager of Operations

WPM/FJB/pt:MSR1.1

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