

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 79-01
FOR THE MONTH OF JANUARY, 1979

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 790212
 COMPLETED BY R.M. Sjogren
 TELEPHONE 617-366-9011
X2281

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: January, 1979
3. Licensed Thermal Power (MWt): 1593
4. Nameplate Rating (Gross MWe): 540
5. Design Electrical Rating (Net MWe): 514 (open cycle) 504 (closed cycle)
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	<u>744</u>	<u>744</u>	<u>--</u>
12. Number Of Hours Reactor Was Critical	<u>7</u>	<u>744</u>	<u>44,633.83</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>744</u>	<u>42,877</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,177,232.5</u>	<u>1,177,232.5</u>	<u>59,564,050.5</u>
17. Gross Electrical Energy Generated (MWH)	<u>403,150</u>	<u>403,150</u>	<u>19,742,618</u>
18. Net Electrical Energy Generated (MWH)	<u>387,213</u>	<u>387,213</u>	<u>18,706,736</u>
19. Unit Service Factor	<u>100</u>	<u>100</u>	<u>76.8</u>
20. Unit Availability Factor	<u>100</u>	<u>100</u>	<u>76.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.8</u>	<u>96.8</u>	<u>66.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.7</u>	<u>98.7</u>	<u>65.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>7.2</u>

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):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

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UNIT Vermont

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MONTH January 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>520</u>
2	<u>521</u>
3	<u>523</u>
4	<u>523</u>
5	<u>523</u>
6	<u>523</u>
7	<u>511</u>
8	<u>522</u>
9	<u>523</u>
10	<u>523</u>
11	<u>524</u>
12	<u>522</u>
13	<u>522</u>
14	<u>510</u>
15	<u>522</u>
16	<u>523</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>523</u>
18	<u>523</u>
19	<u>521</u>
20	<u>522</u>
21	<u>506</u>
22	<u>523</u>
23	<u>523</u>
24	<u>523</u>
25	<u>521</u>
26	<u>523</u>
27	<u>523</u>
28	<u>499</u>
29	<u>522</u>
30	<u>522</u>
31	<u>523</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

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REPORT MONTH January 1979

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
79-1	790121	S	0	H	4 (Power Reduction)	---	NA	NA	H - Turbine Surveillance
79-2	790128	S	0	H	4 (Power Reduction)	---	NA	NA	H - Turbine Surveillance

- 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 (VER) File (NUREG-0161)
- 5 Exhibit I - Same Source

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Report Month January, 1979

SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Electro-Chemical Potential (ECP) Testing System	Corrective HR 78-1300	NA	Failed Gasket	Steam Leak	Replace Gasket
RCIC Valve V-8000	Corrective MR 79-5	NA	Loose Packing	Leakage	Adjusted Packing
ECP Testing System Isolation Valves V103 & V104	Corrective MR 79-34	NA	Failed Packing	Leakage	Repacked Valves
RWCU Piping	Corrective MR 79-36	LER 79-1/3L	See LER 79-1/3L	Leakage	Replaced Flange
ECP Test Vessel	Corrective MR 79-39	LER 79-1/3L	See LER 79-1/3L	Leakage	Repaired by Welding

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REPORT MONTH January, 1979

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.3% of rated thermal power for the month of January, 1979. Gross electrical generation for the month was 403,150 MWh, or 100.3% of design electrical capacity.

Operations Summary

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

- 1-1 At the beginning of this report period, the plant was operating at 99% of rated thermal power.
- 1-21 At 0400 hours power was reduced to 78% for turbine surveillance. A return to full power was initiated at 0500 hours.
- 1-28 At 0700 hours power was reduced to 77% for turbine surveillance. A return to full power was initiated at 0800 hours.
- 1-31 At the conclusion of this report period, the plant was operating at 99% of rated thermal power.