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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	744	744	--
12. Number Of Hours Reactor Was Critical	744	744	44,633.83
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744	744	42,877
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,177,232.5	1,177,232.5	59,564,050.5
17. Gross Electrical Energy Generated (MWH)	403,150	403,150	19,742,618
18. Net Electrical Energy Generated (MWH)	387,213	387,213	18,706,736
19. Unit Service Factor	100	100	76.8
20. Unit Availability Factor	100	100	76.8
21. Unit Capacity Factor (Using MDC Net)	96.8	96.8	66.5
22. Unit Capacity Factor (Using DER Net)	98.7	98.7	65.2
23. Unit Forced Outage Rate	0	0	7.2

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 January 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	520	17	523
2	521	18	523
3	523	19	521
4	523	20	522
5	523	21	506
6	523	22	523
7	511	23	523
8	522	24	523
9	523	25	521
10	523	26	523
11	524	27	523
12	522	28	499
13	522	29	522
14	510	30	522
15	522	31	523
16	523		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1979

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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 of 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

(9/77)

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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	Replaced 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 MWHe, 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.