VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 88-01

FOR THE MONTH OF JANUARY, 1988

VYDPF 0411
Rev. 1

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 880210
COMPLETED BY G.A. Wallin
TELEPHONE (802) 257-7711

OPERATING STATUS

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

Notes:

9. Power level to which restricted, if any (Net MWe): N/A
10. Reasons for restrictions, if any: N/A

	This month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.00	744.00	------
12. Number of Hours Reactor was Critical	744.00	744.00	105589.36
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	744.00	103013.27
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1169153.00	1169153.00	150909864.50
17. Gross Electrical Energy Generated (MWH)	395527.00	395527.00	50235471.00
18. Net Electrical Energy Generated (MWH)	379488.00	379488.00	47674575.00
19. Unit Service Factor	100.00	100.00	76.50
20. Unit Availability Factor	100.00	100.00	76.50
21. Unit Capacity Factor (using MDC Net)	101.20	101.20	70.24
22. Unit Capacity Factor (using DER Net)	99.23	99.23	68.88
23. Unit Forced Outage Rate	0.00	0.00	6.27

24. Shutdowns scheduled over next 6 months (Type, Date and Duration of Each):

N/A

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

		Forecast	Achieved
	INITIAL CRITICALITY		
VYDPF 0411.01	INITIAL ELECTRICITY		
Rev. 1	COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	880210
COMPLETED BY	G.A. Wallin
TELEPHONE	(802) 257-7711

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	516	17	512
2	517	18	517
3	478	19	518
4	516	20	518
5	516	21	519
6	518	22	519
7	516	23	519
8	516	24	516
9	516	25	519
10	512	26	518
11	516	27	518
12	516	28	518
13	517	29	518
14	515	30	395
15	516	31	473
16	516		

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.

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DOCKET NO. 50-271
UNIT NAME Vermont Yankee
DATE 880210
COMPLETED BY G. A. Wallin
TELEPHONE (802) 257-7711

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January

No.	Date	1 Type	Duration (hours)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause and Corrective Action to Prevent Recurrence
88-01	880130	S	0.00	B,H*	4 Power Reduction	N/A	RB	CONROD	Control Rod Pattern Exchange and Surveillance Testing
88-01	880130	S	0.00	B	4 Power Reduction	N/A	CB	XXXXXX	A and B recirculation MG sets removed from service for brush wear replacement.

1
F-Forced
S-Scheduled

2 Reason:
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) See Above Cause and Corrective Action section
*H-Other (Explain) - Control Rod Pattern Exchange

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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DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	880210
COMPLETED BY	G.A. Wallin
TELEPHONE	(802) 257-7711

REPORT MONTH January

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 98.6% of rated thermal power for the month. Gross electrical generation was 395,527 MWHe or 98.4% 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 100.0% of rated thermal power.

880130 At 0948 hours, reduced power to minimum recirculation flow to remove the "B" recirc pump from service from MG set brush wear replacement. (See Unit Shutdowns and Power Reductions).

880130 At 1043 hours, initiated control rod exercising.

880130 At 1152 hours, completed control rod exercising.

880130 At 1300 hours, started the "B" recirc pump following the MG set brush replacement.

880130 At 1314 hours, removed the "A" recirc pump from service for MG set brush wear replacement. (See Unit Shutdowns and Power Reductions).

880130 At 1345 hours, initiated a rod pattern exchange. (See Unit Shutdowns and Power Reductions).

880130 At 1445 hours, completed the rod pattern exchange.

880130 At 1523 hours, started the "A" recirc pump following the MG set brush replacement and a return to full power was initiated.

At the end of the reporting period, the plant was operating at 91.7% of rated thermal power.

VERMONT YANKEE NUCLEAR POWER CORPORATION

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

February 10, 1988
VYV 88-021

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 January, 1988.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.

Warren P. Murphy
Vice President and
Manager of Operations

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