VERMONT YANKEE
NUCLEAR POWER CORPORATION

P.O. Box 157, Governor Hunt Road
Vernon, Vermont 05354-0157
(802) 257-7711

June 10, 1991
VYV-91-134

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of May, 1991.

Very truly yours,
VERMONT YANKEE NUCLEAR POWER CORP.

Warren P. Murphy
Senior Vice President, Operations

cc: 1) USNRC
Region I
475 Allendale Road
King of Prussia, PA 19406

2) USNRC
Resident Inspector, VYNPS

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VERMONT YANKEE NUCLEAR _OWER STATION

MONTHLY STATISTICAL REPORT 91-05

FOR THE MONTH OF MAY, 1991

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 910610
COMPLETED BY G.A. WALLIN
TELEPHONE (802)257-7711

OPERATING STATUS

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

NOTES:

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.00	3623.00	162143.00
12. Number Of Hours Reactor was Critical	744.00	3382.70	131571.33
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	3343.25	128714.85
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated(MWH)	1174091.50	5264259.50	190579564.50
17. Gross Electrical Energy Generated	391968.00	1769691.00	63517386.00
18. Net Electrical Energy Generated(MWH)	373118.00	1694612.00	60326582.00
19. Unit Service Factor	100.00	92.28	78.56
20. Unit Availability Factor	100.00	92.28	78.56
21. Unit Capacity Factor(Using MDC Net)	99.50	92.81	73.05
22. Unit Capacity Factor(Using DER Net)	97.57	91.00	71.63
23. Unit Forced Outage Rate	0.00	7.72	5.57

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		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271
UNIT Vermont Yankee
DATE 910610
COMPLETED BY G.A. WALLIN
TELEPHONE (802)257-7711

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	393	17.	509
2.	514	18.	509
3.	515	19.	478
4.	516	20.	506
5.	515	21.	505
6.	515	22.	504
7.	515	23.	498
8.	515	24.	491
9.	516	25.	488
10.	515	26.	491
11.	515	27.	492
12.	513	28.	494
13.	514	29.	495
14.	511	30.	492
15.	511	31.	489
16.	509		

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 MAY

DOCKET NO 50-271
UNIT NAME Vermont Yankee
DATE 910610
COMPLETED BY G.A. Wallin
TELEPHONE (802)257-7711

No.	Date	1 Type	Duration (hours)	2 Reason	3 Method of Shutting Down Reactor	License Event Report #	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
91-06	910519	S	0.00	B,H*	N/A	N/A	RB	CONROD	Control rod exercising and weekly turbine surveillance followed by a rod pattern exchange.

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)
*H-(Explain)- 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 License Event Report (LER) File (NUREG 0161)

5 Exhibit I - Same Source

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REPORT MONTH MAY

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.1% of rated thermal power for the month. Gross electrical generation was 391,968 MWHe or 97.6% 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 78.7% of rated thermal power.

910516 At 0001 hours, began cooling tower operations and went to a hybrid cycle of operation. Varying modes of cycle operation from this point on will be based upon river temperature considerations.

910519 At 0150 hours, initiated a power reduction to less than 80% to perform a rod pattern exchange. (See Unit Shutdowns and Power Reductions)

910519 At 0340 hours, completed the rod pattern exchange.

910519 At 0522 hours, began a return to full power.

At the end of the reporting period the plant was operating at 99.9% of rated thermal power.