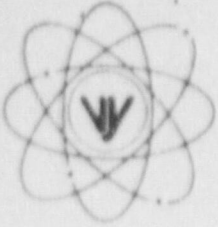


VERMONT YANKEE NUCLEAR POWER CORPORATION



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

November 10, 1997
BVY-97-145

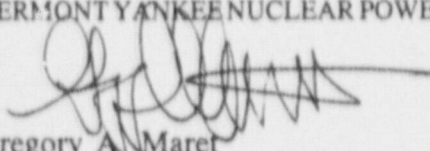
United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Reference: (a) License No. DPR-28 (Vermont Yankee No. 50-271)

In accordance with section 6.7.A.3 of the Vermont Yankee Technical Specifications, submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of October, 1997.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION



Gregory A. Maret
Plant Manager

cc: USNRC Region I Administrator
USNRC Resident Inspector - VYNPS
USNRC Project Manager - VYNPS

9711140103 971031
PDR ADOCA 05000271
R PDR



IE 24/1

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 97-10

FOR THE MONTH OF OCTOBER 1997

Figure II
DP 0411 Rev. 7
Page 1 of 1

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 971110
 COMPLETED BY G.A. WALLIN
 TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
 2. Reporting Period: October
 3. Licensed Thermal Power (MWt): 1593
 4. Nameplate Rating (Gross MWe): 540
 5. Design Electrical Rating (Net MWe): 522
 6. Maximum Dependable Capacity (Gross MWe): 535
 7. Maximum Dependable Capacity (Net MWe): 510
 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): N/A
 10. Reasons for restrictions, if any: N/A
- | | This Month | Yr-to-Date | Cumulative |
|--|--|-------------|--------------|
| 11. Hours in Reporting Period | 745.00 | 7296.00 | 217680.00 |
| 12. Number Of Hours Reactor was Critical | 745.00 | 6990.39 | 181957.05 |
| 13. Reactor Reserve Shutdown Hours | 0.00 | 0.00 | 0.00 |
| 14. Hours Generator On-Line | 745.00 | 6959.00 | 178632.00 |
| 15. Unit Reserve Shutdown Hours | 0.00 | 0.00 | 0.00 |
| 16. Gross Thermal Energy Generated (MWH) | 1180769.45 | 11039085.00 | 268686218.40 |
| 17. Gross Electrical Energy Generated | 405174.00 | 3756320.00 | 89807742.00 |
| 18. Net Electrical Energy Generated (MWH) | 384989.00 | 3579041.00 | 85394930.00 |
| 19. Unit Service Factor | 100.00 | 95.40 | 81.10 |
| 20. Unit Availability Factor | 100.00 | 95.40 | 81.10 |
| 21. Unit Capacity Factor (Using MDC Net) | 101.30 | 96.20 | 76.90 |
| 22. Unit Capacity Factor (Using DER Net) | 99.00 | 94.00 | 75.40 |
| 23. Unit Forced Outage Rate | 0.00 | 3.48 | 4.56 |
| 24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each): | <u>1998 Refueling Outage scheduled to begin on March 21, 1998 and end on April 22, 1998.</u> | | |
| 25. If shut down at end of report period, estimated date of startup: | <u>N/A</u> | | |
| 26. Units In Test Status (prior to commercial operation): | <u>N/A</u> | | |

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast Achieved

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271
UNIT Vermont Yankee
DATE 971110
COMPLETED BY G.A. WALLIN
TELEPHONE (802)258-5414

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>514</u>	17.	<u>519</u>
2.	<u>512</u>	18.	<u>521</u>
3.	<u>517</u>	19.	<u>519</u>
4.	<u>518</u>	20.	<u>519</u>
5.	<u>525</u>	21.	<u>471</u>
6.	<u>516</u>	22.	<u>520</u>
7.	<u>514</u>	23.	<u>522</u>
8.	<u>519</u>	24.	<u>522</u>
9.	<u>517</u>	25.	<u>525</u>
10.	<u>512</u>	*26.	<u>549</u>
11.	<u>513</u>	27.	<u>527</u>
12.	<u>511</u>	28.	<u>509</u>
13.	<u>510</u>	29.	<u>527</u>
14.	<u>507</u>	30.	<u>527</u>
15.	<u>514</u>	31.	<u>527</u>
16.	<u>517</u>		

*25 hour day

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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RT No. 13.F01.18V

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER

DOCKET NO 50-271

UNIT NAME Vermont Yankee

DATE 971110

COMPLETED BY G.A. Wallin

TELEPHONE (802)258-5414

No.	Date	1 Type	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
97-12	971021	S	0.00	B	4 Power Reduction	N/A	RB	CONROD	Scram Solenoid Pilot Valve replacements and Single Rod Scram testing.

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 -

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

VYDPF 0411.03 (Sample)
DP 0411 Rev. 7
Page 1 of 1

DOCKET NO. 50-271
DATE 971110
COMPLETED BY G.A. WALLIN
TELEPHONE (802)258-5414

REPORT MONTH October

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.5% of rated thermal power for the month. Gross electrical generation was 405,174 MWh or 99.6% 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 99.9% of rated thermal power.

- 971021 At 0215 hours, initiated a power reduction to less than 70% for Scram Solenoid Pilot Valve replacements, and Single Rod Scram testing. (See Unit Shutdowns and Power Reductions)
971021 At 0317 hours, began SSPV replacements.
971021 At 0635 hours, performed single rod scram tests following SSPV replacements.
971021 At 0705 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.

VYDPF 0411.04 (Sample)
DP 0411 Rev. 7
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RT No. 13.F01.18X