

# VERMONT YANKEE NUCLEAR POWER STATION

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

September 7, 2001  
BVY-01-69

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

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

In accordance with section 6.6.B of the Vermont Yankee Technical Specifications,  
submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear  
Power Station for the month of August, 2001.

Sincerely,

VERMONT YANKEE NUCLEAR POWER STATION



Kevin H. Bronson  
Plant Manager

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

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**VERMONT YANKEE NUCLEAR POWER STATION**

**MONTHLY STATISTICAL REPORT 01-08**

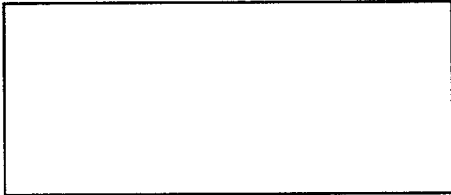
**FOR THE MONTH OF AUGUST 2001**

OPERATING DATA REPORT

DOCKET NO. 50-271  
 DATE 010907  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: August
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  | 744.00     | 5831.00    | 251279.00    |
| 12. Number Of Hours Reactor was Critical   | 744.00     | 5262.75    | 212186.42    |
| 13. Reactor Reserve Shutdown Hours   | 0.00       | 0.00       | 0.00         |
| 14. Hours Generator On-Line  | 744.00     | 5217.24    | 208617.44    |
| 15. Unit Reserve Shutdown Hours  | 0.00       | 0.00       | 0.00         |
| 16. Gross Thermal Energy Generated (MWH)   | 1181780.60 | 8232672.18 | 315632379.53 |
| 17. Gross Electrical Energy Generated (MWH)  | 394731.00  | 2814922.00 | 105871123.00 |
| 18. Net Electrical Energy Generated (MWH)  | 371824.00  | 2685686.00 | 100734309.00 |
| 19. Unit Service Factor  | 100.00     | 89.50      | 82.00        |
| 20. Unit Availability Factor   | 100.00     | 89.50      | 82.00        |
| 21. Unit Capacity Factor (Using MDC Net)   | 98.00      | 90.30      | 78.30        |
| 22. Unit Capacity Factor (Using DER Net)   | 95.70      | 88.20      | 76.80        |
| 23. Unit Forced Outage Rate  | 0.00       | 1.01       | 4.14         |
| 24. Shutdowns scheduled over next 6 months (Type, Date, and Duration of Each: <u>N/A</u> ) |            |            |              |

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast Achieved  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271  
 UNIT Vermont Yankee  
 DATE 010907  
 COMPLETED BY G.A. WALLIN  
 TELEPHONE (802)258-5414

MONTH August

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1.  | <u>505</u>                             | 17. | <u>478</u>                             |
| 2.  | <u>501</u>                             | 18. | <u>501</u>                             |
| 3.  | <u>498</u>                             | 19. | <u>501</u>                             |
| 4.  | <u>501</u>                             | 20. | <u>499</u>                             |
| 5.  | <u>501</u>                             | 21. | <u>500</u>                             |
| 6.  | <u>501</u>                             | 22. | <u>501</u>                             |
| 7.  | <u>503</u>                             | 23. | <u>503</u>                             |
| 8.  | <u>497</u>                             | 24. | <u>504</u>                             |
| 9.  | <u>495</u>                             | 25. | <u>506</u>                             |
| 10. | <u>500</u>                             | 26. | <u>503</u>                             |
| 11. | <u>502</u>                             | 27. | <u>499</u>                             |
| 12. | <u>502</u>                             | 28. | <u>497</u>                             |
| 13. | <u>500</u>                             | 29. | <u>503</u>                             |
| 14. | <u>502</u>                             | 30. | <u>503</u>                             |
| 15. | <u>504</u>                             | 31. | <u>499</u>                             |
| 16. | <u>483</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.

VYDPF 0411.02 (Sample)  
 DP 0411 Rev. 7  
 Page 1 of 1  
 RT No. 13.F01.18V

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST

DOCKET NO 50-271  
 UNIT NAME Vermont Yankee  
 DATE 010907  
 COMPLETED BY G.A. Wallin  
 TELEPHONE (802)258-5414

| No.   | Date   | 1<br>Type | Duration<br>(hours) | 2<br>Reason | 3<br>Method of<br>Shutting<br>Down<br>Reactor | License<br>Event<br>Report # | 4<br>System<br>Code | 5<br>Component<br>Code | Cause and Corrective<br>Action to Prevent<br>Recurrence                                |
|-------|--------|-----------|---------------------|-------------|---|------------------------------|---------------------|------------------------|--|
| 01-06 | 010816 | S         | 0.00                | B,H*        | 4<br>Power<br>Reduction                       | N/A                          | RB                  | CONROD                 | Main steam isolation and<br>turbine bypass valve testing<br>and 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

DOCKET NO. 50-271  
DATE 010907  
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REPORT MONTH August

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 99.7% of rated thermal power for the month. Gross electrical generation was 394,731 MWhe or 97.1% 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.

- 010816 At 2100 hours, reducing power to 65% to perform MSIV full closure, turbine bypass valve testing, and a rod pattern exchange.  
(See Unit Shutdowns and Power Reductions)
- 010816 At 2250 hours, commenced MSIV full closure testing.
- 010816 At 2315 hours, completed MSIV full closure testing.
- 010816 At 2315 hours, commenced turbine bypass valve testing.
- 010816 At 2350 hours, completed turbine bypass valve testing.
  
- 010816 At 2355 hours, commenced a rod pattern exchange.
- 010817 At 0105 hours, completed the rod pattern exchange.
- 010817 At 0115 hours, commenced 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  
Page 1 of 1  
RT No. 13.F01.18X