

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 79-06

FOR THE MONTH OF JUNE, 1979

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 790712
 COMPLETED BY R. M. Sjogren
 TELEPHONE (617) 366-9011
 X2281

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: June 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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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 | 720 | 4,343 | 59,378.75 |
| 12. Number Of Hours Reactor Was Critical | 720 | 3,935.3 | 47,825.1 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 720 | 3,921.8 | 46,054.8 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,075,471 | 6,034,332.7 | 64,421,150.2 |
| 17. Gross Electrical Energy Generated (MWH) | 352,110 | 2,039,422 | 21,378,890 |
| 18. Net Electrical Energy Generated (MWH) | 330,009 | 1,944,524 | 20,264,047 |
| 19. Unit Service Factor | 100 | 90.3 | 77.6 |
| 20. Unit Availability Factor | 100 | 90.3 | 77.6 |
| 21. Unit Capacity Factor (Using MDC Net) | 90.9 | 88.8 | 67.7 |
| 22. Unit Capacity Factor (Using DER Net) | 90.9 | 88.8 | 67.7 |
| 23. Unit Forced Outage Rate | 0 | 0 | 6.7 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling September 22 - 6 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

| Forecast | Achieved |
|----------|----------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

461 250

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 790712

COMPLETED BY R. M. Siogren

TELEPHONE (617) 366-9011
X 2281

MONTH June 1979

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>501</u> |
| 2 | <u>279</u> |
| 3 | <u>352</u> |
| 4 | <u>412</u> |
| 5 | <u>470</u> |
| 6 | <u>488</u> |
| 7 | <u>485</u> |
| 8 | <u>467</u> |
| 9 | <u>9</u> |
| 10 | <u>469</u> |
| 11 | <u>483</u> |
| 12 | <u>493</u> |
| 13 | <u>495</u> |
| 14 | <u>493</u> |
| 15 | <u>490</u> |
| 16 | <u>485</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>473</u> |
| 18 | <u>489</u> |
| 19 | <u>493</u> |
| 20 | <u>492</u> |
| 21 | <u>492</u> |
| 22 | <u>480</u> |
| 23 | <u>463</u> |
| 24 | <u>490</u> |
| 25 | <u>492</u> |
| 26 | <u>448</u> |
| 27 | <u>481</u> |
| 28 | <u>485</u> |
| 29 | <u>488</u> |
| 30 | <u>486</u> |
| 31 | <u>---</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.

(9/77)

461 251

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979DOCKET NO. 50-271UNIT NAME Vermont YankeeDATE 790712COMPLETED BY R. M. SjogrenTELEPHONE (617) 366-9011 X2281

| 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 |
|-------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 79-8 | 790602 | S | 0 | H | 4 (Power Reduction) | - - | RAA | CONROD | H - Control Rod Pattern Exchange |
| 79-9 | 790608 | S | 0 | H | 4 (Power Reduction) | - - | RAA | CONROD | H - Control Rod Pattern Adjustment |
| 79-10 | 790626 | F | 0 | A | 4 (Power Reduction) | - - | CBB | VALVEX | A - "A" Recirc Discharge Valve (V2-53A) was electronically backseated to stop valve leakage. |

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

DOCKET NO. 50-271UNIT Vermont YankeeDATE 790712COMPLETED BY R. M. SjogrenTELEPHONE (617) 366-9011 X2281SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION | | CORRECTIVE ACTION |
|--|--------------------------|-------------------------|------------------------------------|-----------------------------|-------------------------|
| | | | CAUSE | RESULT | |
| Fuel pool and reactor building vent radiation monitors | Corrective MR79-332 | NA | Failed power supplies | Units tripped | Replaced power supplies |
| Containment air dilution pressure transmitter PT-VG-4A | Corrective MR79-452 | NA | Failed transmitter | No output | Replaced transmitter |
| HPCI booster pump outboard bearing | Corrective MR79-454 | NA | Leakage | Low oil level | Added oil |
| HPCI booster pump seal water | Corrective MR79-464 | NA | Loose fitting | Leakage | Tightened fitting |
| RCIC flow indicator | Corrective MR79-467 | NA | Partially drained reference leg | False flow indi- cations | Filled reference leg |

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REPORT MONTH June 1979

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 93.8% of rated thermal power for the month of June, 1979. Gross electrical generation for the month was 352,110 MWh, or 90.6% of design electrical capacity.

Operations Summary

The following is a chronological description of plant operations including other pertinent items of interest for the month:

- 6-1 At the beginning of the report period, the plant was operating at 99% of rated thermal power.
- 6-2 At 0210 hours power was reduced to 31% to effect a control rod pattern exchange. Power increase to 97% commenced at 1115 hours.
- 6-8 At 2100 hours power was reduced to 68% to effect a control rod pattern adjustment. Power increase to 98% commenced at 0230 hours on 6-9.
- 6-26 At 0857 hours power was reduced to 67% to facilitate a primary containment entry by plant personnel to identify and correct a source of primary coolant leakage. Power increase to 98% commenced at 1155 hours.
- 6-30 At the conclusion of this report period, the plant was operating at 98% of rated thermal power.