

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 86-08
FOR THE MONTH OF AUGUST, 1986

VYDPF 0411
Original

8609170396 860831
PDR ADOCK 05000271
R PDR

7E24

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 860910
 COMPLETED BY G.A. Wallin
 TELEPHONE (802) 257-7711

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): 514(cc) 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:

Notes:

N/A

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	-----
12. Number of Hours Reactor was Critical	744.00	1458.55	94569.61
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	1392.57	92110.92
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	1164504.00	2079592.50	134189223.50
17. Gross Electrical Energy Generated (MWH)	378400.00	669365.00	44625267.00
18. Net Electrical Energy Generated (MWH)	354824.00	626549.00	42326799.00
19. Unit Service Factor	100.00	23.88	75.36
20. Unit Availability Factor	100.00	23.88	75.36
21. Unit Capacity Factor (using MDC Net)	94.63	21.32	68.71
22. Unit Capacity Factor (using DER Net)	92.78	20.90	67.37
23. Unit Forced Outage Rate	0.00	0.00	6.83

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

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INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-271
UNIT	Vermont Yankee
DATE	860910
COMPLETED BY	G.A. Wallin
TELEPHONE	(802) 257-7711

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	484
2	481
3	478
4	484
5	485
6	485
7	482
8	483
9	484
10	478
11	482
12	488
13	488
14	488
15	485
16	482

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	475
18	482
19	431
20	310
21	465
22	486
23	488
24	484
25	489
26	489
27	483
28	492
29	493
30	493
31	488

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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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-271
 UNIT NAME Vermont Yankee
 DATE 860910
 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 #	4 System Code	5 Component Code	Cause and Corrective Action to Prevent Recurrence
86-04	860819	F	0.00	A	4 Power Reduction	N/A	CB	INSTRU	A faulty vibration switch caused a high vibration alarm on the 'B' recirc pump motor.
86-05	860819	F	0.00	A	4 Power Reduction	N/A	CB	INSTRU	A faulty upper oil level switch caused a hi/lo alarm on the 'B' recirc pump motor.

1
F-Forced
S-Scheduled

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2
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-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.	50-271
UNIT	Vermont Yankee
DATE	860910
COMPLETED BY	G.A. Wallin
TELEPHONE	(802) 257-7711

REPORT MONTH August

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 98.3% of rated thermal power for the month. Gross electrical generation was 378,400 MWh_e or 94.2% 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 99.9% of rated thermal power.

860819 At 1600 hours, a power reduction was initiated due to a high vibration alarm on the "B" recirculation pump motor.

860819 At 1715 hours, the "B" recirculation pump was manually tripped.

860819 At 1737 hours, the "B" recirculation pump was restarted and power was increased.

860819 At 2015 hours, a second power reduction was initiated due to a high level lube oil alarm on the "B" recirculation pump motor.

860819 At 2025 hours, the "B" recirculation pump was manually tripped again.

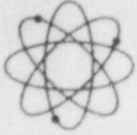
860820 At 1243 hours, the "B" recirculation pump was restarted.

860820 At 1430 hours, a power increase was initiated.

At the end of the reporting period the plant was operating at 99.2% of rated thermal power.

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VERMONT YANKEE NUCLEAR POWER CORPORATION

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

VYV 86-297
September 10, 1986

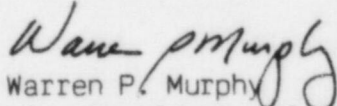
U. S. Nuclear Regulatory Commission
Director, Office of Management Information
and Program Control
Washington, D. C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of August, 1986.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.


Warren P. Murphy
Vice President and
Manager of Operations

WPM/GAW/lat:MSR1.1/MSR

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