

50-271

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 84-08
FOR THE MONTH OF AUGUST, 1984

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OPERATING DATA REPORT

Docket No. 50-271
 Date 840910
 Completed by F.J. Burger
 Telephone (802) 257-7711

OPERATING STATUS

Notes.

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(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

	This month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.00	5855.00	
12. Number of Hours Reactor was Critical	579.75	4466.16	84,164.81
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	471.82	4326.01	81,818.59
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	533,537.00	6466308.50	118626988.00
17. Gross Electrical Energy Generated (MWH)	165,593.00	2177861.00	39470939.00
18. Net Electrical Energy Generated (MWH)	152,946.00	2081736.00	37446752.00
19. Unit Service Factor	63.42	73.89	78.13
20. Unit Availability Factor	63.42	73.89	78.13
21. Unit Capacity Factor (using MDC Net)	40.79	70.55	70.95
22. Unit Capacity Factor (using DER Net)	39.99	69.17	69.57
23. Unit Forced Outage Rate	15.53	5.20	7.26

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),

	Forecast	Achieved
Initial Criticality	_____	_____
Initial Electricity	_____	_____
Commercial Operation	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

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Month AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	21
9	63
10	0
11	0
12	148
13	285
14	90
15	5
16	172

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	327
18	356
19	351
20	366
21	385
22	383
23	380
24	382
25	383
26	379
27	382
28	379
29	377
30	377
31	380

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 AUGUST

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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
84-12 (cont)	840801	S	185.42	C	1	N/A	N/A	N/A	Refueling outage continued
84-13	840809	F	55.63	A	1	N/A	CD	ELECON	Loss of MSIV position indication caused by failure of recently installed connectors. Connectors were replaced.
84-14	840814	F	31.13	A	1	N/A	HC	HT EXCH	High reactor coolant conductivity caused by main condenser tube leakage. Failed tubes were plugged.

¹
 F-Forced
 S-Scheduled

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)

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 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

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SAFETY-RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
None					

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REPORT MONTH AUGUST

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 45.0 % of rated thermal power for the month. Gross electrical generation was 165,593 MWh_e or 41.2 % of design electrical capacity.

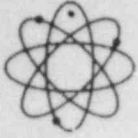
Operating Summary

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 shut down for refueling.

- 840806 At 0320 hrs, commenced a reactor startup.
- 840806 At 0510 hrs, the reactor was critical.
- 840808 At 0252 hrs, the generator was phased to the grid.
- 840808 At 1010 hrs, the generator was removed from the grid for overspeed testing and balancing.
- 840808 At 1658 hrs, the generator was phased to the grid.
- 840808 At 1733 hrs, the generator was removed from the grid for balancing.
- 840809 At 0118 hrs, the generator was phased to the grid.
- 840809 At 2216 hrs, the generator was removed from the grid and the reactor shut down because the inboard main steam isolation valve indication was inoperable.
- 840811 At 1525 hrs, a reactor startup was initiated.
- 840811 At 1635 hrs, the reactor was critical.
- 840812 At 0554 hrs, the generator was phased to the grid.
- 840813 At 1730 hrs, power was reduced because of the high conductivity of the reactor coolant.
- 840814 At 1232 hrs, the generator was removed from the grid.
- 840815 At 1940 hrs, the generator was phased to the grid and a power ascension started.

At the end of the reporting period, the plant was maintaining 80% power because of the loss of a main condensate pump.



VERMONT YANKEE NUCLEAR POWER CORPORATION

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VERNON, VERMONT 05354
VYV 84-444

September 11, 1984

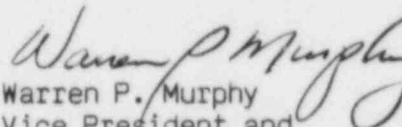
U. S. Nuclear Regulatory Commission
Director, Office of Management Information
and Program Control
Washington, D.C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of August, 1984.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION


Warren P. Murphy
Vice President and
Manager of Operations

WPM/FJB/jb/MSR1.1

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