

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 88-08
FOR THE MONTH OF AUGUST, 1988

Rev. 2
of 1

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PDR ADOCK 05000271
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1/1

OPERATING DATA REPORT

DOCKET NO. 50-271
 DATE 880910
 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(nc) 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 restriction, if any: N/A

NOTES:

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.00</u>	<u>5855.00</u>	<u>-----</u>
12. Number Of Hours Reactor was Critical	<u>666.00</u>	<u>5475.32</u>	<u>110320.68</u>
13. Reactor Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
14. Hours Generator On-Line	<u>640.85</u>	<u>5405.15</u>	<u>107674.42</u>
15. Unit Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
16. Gross Thermal Energy Generated(NWH)	<u>990023.50</u>	<u>6307521.00</u>	<u>158138232.50</u>
17. Gross Electrical Energy Generated	<u>319539.00</u>	<u>2795644.00</u>	<u>52635588.00</u>
18. Net Electrical Energy Generated(MWH)	<u>299579.00</u>	<u>2660830.00</u>	<u>49955917.00</u>
19. Unit Service Factor	<u>86.14</u>	<u>92.32</u>	<u>77.03</u>
20. Unit Availability Factor	<u>86.14</u>	<u>92.32</u>	<u>77.03</u>
21. Unit Capacity Factor(Using MDC Net)	<u>79.89</u>	<u>90.17</u>	<u>70.91</u>
22. Unit Capacity Factor(Using DER Net)	<u>78.34</u>	<u>88.42</u>	<u>69.53</u>
23. Unit Forced Outage Rate	<u>13.86</u>	<u>4.68</u>	<u>6.24</u>

24. Shutdowns scheduled over next 6 months(Type, Date, and Duration of Each): 1989 Refueling Outage scheduled to begin on February 11, 1989 and conclude on April 8, 1989.

25. If shut down at end of report period, estimated date of startup: N/A
26. Units In Test Status(Report to commercial operation): N/A

INITIAL CRITICALITY
 INITIAL ELECTRICAL
 COMMERCIAL

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271
 UNIT Vermont Yankee
 DATE 880910
 COMPLETED BY G.A. Wallin
 TELEPHONE (802)257-7711

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	482	17.	484
2.	482	18.	488
3.	481	19.	491
4.	480	20.	490
5.	479	21.	488
6.	480	22.	492
7.	480	23.	490
8.	483	24.	145
9.	482	25.	0
10.	478	26.	0
11.	476	27.	0
12.	478	28.	35
13.	480	29.	366
14.	417	30.	432
15.	478	31.	461
16.	485		

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 AUGUST

DOCKET NO 50-271
 UNIT NAME Vermont Yankee
 DATE 880910
 COMPLETED BY G.A. Wallin
 TELEPHONE (802)257-7711

No.	Date	1 Type	Duration (hours)	2 Reason	Method of Shutting Down Reactor 3	License Event Reports	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
88-11	880814	S	0.00	H	4 Power Reduction	N/A	RB	CONROD	Power reduction for a Control Rod Pattern Adjustment
88-15	880824	S	0.00	B, H*	4 Power Reduction	N/A	RB	CONROD	Control Rod exercising and a Rod Pattern Exchange.
88-16	880824	F	50.22	A	1	N/A	CF	VALVEX	Increase in primary system leakage caused by a packing leak of RHR46A valve. Valve was repacked.
88-17	880827	F	52.93	A	1	N/A	CF	VALVEX	Unacceptable primary system leakage caused by packing leakage of RHR18 and 88 valves. Valves were repacked.
88-18	880830	S	0.00	H	4 Power Reduction	N/A	RB	CONROD	Power reduction for a Control Rod Pattern Adjustment

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) Control Rod Pattern Exchange

3 Method:
 1- Manual
 2- Manual Scram
 3- Automatic Scram
 4- Other (Explain)

* Exhibit G- Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File
 (NUREG 0161)
 5 Exhibit I - Same Source

REPORT MONTH August

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 83.5% of rated thermal power for the month. Gross electrical generation was 319,539 MWh or 79.5% 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 99.7% of rated thermal power.

- 880814 At 0110 hours, reduced power to 75% to perform a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 880814 At 0300 hours, completed the rod pattern adjustment and began a return to full power.
- 880824 At 0330 hours, initiated a power reduction to minimum recirculation flow to perform control rod exercising, a rod pattern exchange and investigate the cause of drywell leakage.
- 880824 At 0515 hours, initiated control rod exercising. (See Unit Shutdowns and Power Reductions)
- 880824 At 0605 hours, completed control rod exercising, and initiated a rod pattern exchange. (See Unit Shutdowns and Power Reductions)
- 880824 At 0715 hours, completed the rod pattern exchange.
- 880824 At 1000 hours, manually shutting down to make repairs on the RHR46A valve which was causing primary system leakage. (See Unit Shutdowns and Power Reductions)
- 880824 At 1146 hours, turbine-generator removed from the grid.
- 880824 At 1405 hours, the reactor was sub-critical.
- 880826 At 1608 hours, the reactor was critical and a return to full power was initiated.
- 880827 At 0415 hours, the reactor was sub-critical to repair unacceptable primary system leaks originating from the RHR18 and 88 valves. (See Unit Shutdowns and Power Reductions)
- 880828 At 0718 hours, the reactor was critical and a return to full power was initiated.
- 880828 At 1855 hours, the turbine-generator was phased to the grid.
- 880830 At 1710 hours, reduced power to 62% to perform a rod pattern adjustment. (See Unit Shutdowns and Power Reductions)
- 880830 At 1920 hours, completed the rod pattern adjustment and began a return to full power.

At the end of the reporting period the plant was operating at 99.8% of rated thermal power.



VERMONT YANKEE NUCLEAR POWER CORPORATION

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September 10, 1988
VYV 88-189

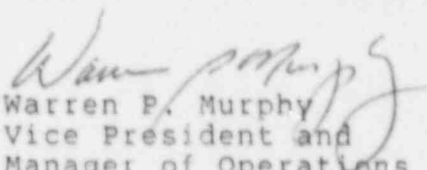
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Dear Sir:

Submitted herewith is the Monthly Statistical Report for the Vermont Yankee Nuclear Power Station for the month of August, 1988.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORP.


Warren P. Murphy
Vice President and
Manager of Operations

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475 Allendale Road
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- 2) USNRC
Resident Inspector, VYNPS

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