

VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 79-05

FOR THE MONTH OF MAY, 1979

2307 294

7906190311

OPERATING DATA REPORT

POOR ORIGINAL

DOCKET NO. 50-271
 DATE 790612
 COMPLETED BY R. M. Sjogren
 TELEPHONE (617) 366-9011
X2281

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: May, 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	<u>744</u>	<u>3,623</u>	<u>58,658.75</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>3,215.3</u>	<u>47,105</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>3,201.8</u>	<u>45,334.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,173,157</u>	<u>4,958,861</u>	<u>63,345,679</u>
17. Gross Electrical Energy Generated (MWH)	<u>393,080</u>	<u>1,687,312</u>	<u>21,026,780</u>
18. Net Electrical Energy Generated (MWH)	<u>371,880</u>	<u>1,614,515</u>	<u>19,934,038</u>
19. Unit Service Factor	<u>100</u>	<u>88.4</u>	<u>77.3</u>
20. Unit Availability Factor	<u>100</u>	<u>88.4</u>	<u>77.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.2</u>	<u>88.4</u>	<u>67.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.2</u>	<u>86.7</u>	<u>66.1</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>6.8</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling September 22, 1979.

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271
 UNIT Vermont Yankee
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MONTH May, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	524
2	524
3	523
4	523
5	523
6	509
7	522
8	522
9	519
10	517
11	518
12	515
13	485
14	494
15	493
16	493

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	495
18	494
19	492
20	480
21	488
22	492
23	493
24	492
25	420
26	483
27	494
28	491
29	492
30	491
31	493

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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

DOCKET NO. 50-271
 UNIT NAME Vermont Yankee
 DATE 790612
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REPORT MONTH May, 1979

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
79-7	790523	F	5LR	A	4*	--	CB	PUMPXX	'B' Recirc Pump tripped following the malfunction of a MG Set Lube Oil starter. Lube Oil pump restarted, MG Set restarted and Recirc Pump returned to service. (See narrative operations summary)

* 'A' Recirc Pump reduced to 50% speed.

- 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

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DOCKET NO. 50-271

UNIT Vermont Yankee

DATE 790612

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SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Torus Water Temperature Instrument (16-19-48)	Corrective MR 78-1294	NA	Worn parts	Instrument Drift	Replaced instrument.
Primary Containment Vapor Suppression Chamber	Preventive MR 78-204	NA	NA	NA	Applied contact preservative to exposed metal of shell and supports.
"A" Service Water Pump	Corrective MR 78-313	NA	Possible seal or gasket failure	Oil Leakage	Added <1qt. of oil increased surveillance.
Reactor Building Fuel Pool Ventilation Radiation Monitor	Corrective MR 78-332	NA	Faulty power supply	Spurious trips	Replaced power supply.
Air Ejector Offgas Radiation Monitor	Corrective MR 78-389	NA	Worn parts	Sticky meter movement	Replaced meter.

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REPORT MONTH May, 1979

SUMMARY OF OPERATING EXPERIENCES

Highlights:

Vermont Yankee operated at 99.0% of rated thermal power for the month of May, 1979. Gross electrical generation for the month was 393,080 MWh.

Operations Summary:

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

- 5-1 At the beginning of the report period, the plant was operating at 99% of rated thermal power.
- 5-13 Closed Cycle operation commenced at 0145 hours.
- 5-25 'B' Recirc. Pump tripped at 1425 hours following a malfunction of a MC Set Lube Oil Pump starter. 'A' Recirc. Pump was reduced to 50% speed and power was reduced to 45%. Recirc. MG Set was restored at 1840 hours. Power increase to 90% commenced at 2058 hours following turbine surveillance at 80%.
- 5-31 At the conclusion of the report period, the plant was operating at 99% of rated thermal power.

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