

VERMONT YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 79-09
FOR THE MONTH OF SEPTEMBER, 1979

1153 257

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 791012
COMPLETED BY R.M. Sjogren
TELEPHONE (617) 366-9011
X2281

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: September 1979
3. Licensed Thermal Power (MWt): 1,593
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): 514
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	6,551	--
12. Number Of Hours Reactor Was Critical	512	5,851.31	49,741.14
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	506	5,814.78	47,947.78
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	705,627.5	8,757,691.5	67,144,509.5
17. Gross Electrical Energy Generated (MWH)	228,616	2,919,694	22,259,162
18. Net Electrical Energy Generated (MWH)	213,167	2,766,874	21,086,397
19. Unit Service Factor	70.3	88.8	77.9
20. Unit Availability Factor	70.3	88.8	77.9
21. Unit Capacity Factor (Using MDC Net)	58.7	83.8	67.9
22. Unit Capacity Factor (Using DER Net)	57.6	82.2	66.6
23. Unit Forced Outage Rate	0.0	1.7	6.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: November 1, 1979
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-271
UNIT Vermont Yankee
DATE 791012
COMPLETED BY R. M. Sjogren
TELEPHONE (617) 366-9011
X2281

MONTH September 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>430</u>
2	<u>426</u>
3	<u>422</u>
4	<u>424</u>
5	<u>423</u>
6	<u>419</u>
7	<u>421</u>
8	<u>427</u>
9	<u>428</u>
10	<u>426</u>
11	<u>455</u>
12	<u>424</u>
13	<u>421</u>
14	<u>416</u>
15	<u>419</u>
16	<u>426</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>422</u>
18	<u>421</u>
19	<u>423</u>
20	<u>426</u>
21	<u>403</u>
22	<u>8</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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)

1157 252

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Sept. 1979

DOCKET NO. 50-271
 UNIT NAME Vermont Yankee
 DATE 791012
 COMPLETED BY R. M. Sjogren
 TELEPHONE (517) 566-9011
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
79-17	790922	S	214	C	1	NA	RC	FUELXX	NA

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

(9/77)

DOCKET NO. 50-271UNIT Vermont YankeeDATE 791012COMPLETED BY R. M. SjogrenTELEPHONE (617) 366-9011
X2281

1153 26

SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Main Steam line instrument root valve	Corrective MR79-342	NA	Worn packing	Leakage	Replaced packing
RHR pump P-10-1A	Corrective MR79-402	NA	Worn seal	Leakage	Replaced mechanical seal
RCIC steam valve V-13-131	Corrective MR79-506	NA	Worn valve seat & disc	Leakage	Lapped seat & disc, repacked valve
"B" SBGT train	Corrective MR79-701	LER 79-22/3L	Depleted charcoal filter	Failed freon test	Replaced filter
Emergency diesel generator B synchronization check relay	Corrective MR79-725	NA	Relay out of calibration	Generator breaker closing slightly out of synchronization	Recalibrated relay
Torus level transmitters LT-16A-38A&B	Corrective MR79-729	LER 79-24/3L	Loose fittings	Erroneous readings	Tightened fittings and refilled reference legs
"B" RHR service water pump suction strainer	Corrective MR79-739	NA	Clogged Strainer	High differential pressure	Cleaned Strainer
Containment air monitor valve VG-76B	Corrective MR79-751	NA	Accumulation of dirt	Valve failed leak test	Disassembled and cleaned valve
Primary Containment atmospheric control valve V16-20-20	Corrective MR79-773	LER forthcoming	Accumulation of dirt	Valve failed leak test	Disassembled and cleaned valve

DOCKET NO. 50-271
UNIT Vermont Yankee
DATE 791012
COMPLETED BY R. M. Sjogren
TELEPHONE (617) 366-9011
X2281

REPORT MONTH September 1979

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 61.5% of rated thermal power for the month of September, 1979. Gross electrical generation for the month was 228,616 MWHe, or 58.8% of design electrical capacity.

Operations Summary

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

- 9-1 At the beginning of the report period, the plant was operating at 89% of rated thermal power, and in the process of coastdown for the refueling outage.
- 9-21 Power reduction for the scheduled refueling outage commenced at 2100 hours.
- 9-22 At 0113 hours, the generator was removed from the grid, with the reactor manually scrammed at 0825 hours.
- 9-30 At the conclusion of this report period, the plant was in the shutdown mode as the refueling outage continued.

1153 262

CORRECTION TO OPERATING DATA REPORTED AUGUST 1979

DOCKET NO. 50-271
 DATE 791012
 COMPLETED BY R. M. Sjogren
 TELEPHONE (617) 366-9011
X2281

Unit Name Vermont Yankee

<u>Line No.</u>	<u>This Month</u>	<u>Yr. to Date</u>	<u>Cumulative</u>
16. Gross Thermal Energy Generated (MWH)	889,630.5	8,052,064	66,438,882
20. Unit Availability Factor	86.4	91.0	77.9
21. Unit Capacity Factor (Using MDC Net)	71.5	86.9	68.0
22. Unit Capacity Factor (Using DER Net)	70.1	85.2	66.7

1153 263