VERMONT YANKEE NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 80-02

FOR THE MONTH OF FEBRUARY, 1980

OPERATING DATA REPORT

DOCKET NO. 50-271
DATE 800312
COMPLETED BY E.C.Beers
TELEPHONE 617-366-9011 X2215

OPERATING STATUS

1. Unit Name: Vermont Yankee
2. Reporting Period: February, 1980
3. Licensed Thermal Power (MWt): 1,593
4. Nameplate Rating (Gross MWe): 540
5. Design Electrical Rating (Net MWe): 514(open) 504(closed)
6. Maximum Dependable Capacity (Gross MWe): 535
7. Maximum Dependable Capacity (Net MWe): 514

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	696	1,440	- -
12. Number Of Hours Reactor Was Critical	611.75	1,334.8	52,493.19
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	600.5	1,310.6	50,638.38
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	934,568.5	1,965,965	71,190,578
17. Gross Electrical Energy Generated (MWH)	320,755	672,576	23,642,246
18. Net Electrical Energy Generated (MWH)	307,911	645,451	22,413,816
19. Unit Service Factor	86.3	91	77.6
20. Unit Availability Factor	86.3	91	77.6
21. Unit Capacity Factor (Using MDC Net)	87.8	88.9	68.2
22. Unit Capacity Factor (Using DER Net)	86	87.2	66.8
23. Unit Forced Outage Rate	0	2.0	6.4

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:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

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MONTH February, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	514
2	0	18	526
3	0	19	526
4	0.7	20	524
5	356	21	525
6	436	22	526
7	521	23	526
8	518	24	514
9	511	25	525
10	525	26	525
11	526	27	526
12	525	28	526
13	526	29	524
14	526	30	
15	526	31	
16	527		

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1980

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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
80-6 (cont)	800201	S	95.5	D	1	N/A	ZZ	ZZ	Shutdown for modifications as required by NUREG 0578.
80-7	800204	S	0	H	4 (Power Reduction)	N/A	RA	CONROD	Turbine surveillance and control rod pattern adjustment
80-8	800224	S	0	H	4 (Power Reduction)	N/A	RA	CONROD	Turbine surveillance and 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 & 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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UNIT Vermont Yankee

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SAFETY RELATED MAINTENANCE FEBRUARY, 1980

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
"B" Diesel Jacket Coolant Outlet at #8 Cylinder	Corrective MR 79-1128	N/A	Failed gasket	Leakage	Replaced gasket
RCIC Trip Throttle Valve	Corrective MR 80-0007	N/A	Dirt	Sluggish actuation	Disassembled & Cleaned
"B" RWCU Pump Suction Valve V12-19B	Corrective MR 80-0035	N/A	Worn packing	Leakage	Adjusted packing
PCAC Valves SB16-19-6&7	Preventive MR 80-0059	N/A	Upgrade temperature rating of valve	More reliable operation	Install new Nordel seats
Temperature Indication on "B" Diesel Generator	Corrective MR 80-0077	N/A	Failed selector switch on instrument	Faulty temperature reading	Replaced switch
Main Steam Valve V60-955C	Corrective MR 80-0088	N/A	Worn packing	Leakage	Repacked valve
Thermocouple for SLC Temperature Switch TS-11-51	Corrective MR 80-0110	N/A	Unknown - possibly impact	Thermocouple loose in well, seal tight broken	Tightened thermocouple & repaired seal tight
Recirculation Flow Transmitter FT2-110A	Corrective MR 80-0120	N/A	Failed components	Failed transmitter	Replaced transmitter

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EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Main Steam Safety/Relief Valves Instrument Air Check Valves V105-37A→D	Corrective MR 80-122	N/A	Degraded valve seats	Back leakage through valve	Replaced valves
Shock Suppressor RR-2	Corrective MR 80-0130	LER 80-8/3L	Unknown-No obvious seal degradation	Loss of fluid	Rebuilt shock suppressor
Main Steam Safety/Relief Valve Solenoids	Corrective MR 80-0131	N/A	Worn parts	Air leakage	Replaced solenoids
Containment Atmos. Sampling Valve V109-76B	Corrective MR 80-0134	N/A	Position indicator on valve out of adjustment	Loss of position indication	Adjusted position indicator
R[illegible] Valve V10-65B	Corrective MR 80-0140	N/A	Worn packing	Leakage	Adjusted packing
Annunciator Relay K51A	Preventive MR 80-0143	N/A	Worn parts	Relay odoriferous	Replaced relay coil
RWCU Valve PCV-12-55	Corrective MR 80-0151	N/A	Dirt on seat	Valve leakage	Cycled valve
Main Steam Valve V60-31	Corrective MR 80-0170	N/A	Dirt on seat	Valve leakage	Cycled valve
IRM-A	Corrective MR 80-0171	N/A	Loose retaining Screw	Inoperable Reset Switch	Tightened screws

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EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RCIC Steam Line Flange	Corrective MR 80-0177	N/A	Failed gasket	Leakage	Replaced gasket
"B" Diesel Fuel Oil Filter	Corrective MR 80-0236	N/A	Clogged filter	High differential Pressure	Changed filter
HPCI EGR	Corrective MR 80-0243	LER 80-7/3L	Unknown	Sticky operation	Replaced EGR
SBGT Train A	Corrective MR 80-0251	N/A	Saturated filter	Loss of filter efficiency	Replaced filter
RHR SW Pump P8-1C Switch Gear	Corrective MR 80-0258		Broken wire on closing coil	Pump could not be be started remotely	Replaced breaker with spare repaired wiring

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REPORT MONTH February, 1980

SUMMARY OF OPERATING EXPERIENCES

Highlights

Vermont Yankee operated at 84.3% of rated thermal power for the month. Gross electrical generation was 320,755 MWH_e or 85.3% design electrical capacity.

Operating Summary

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

2/1/80 At the beginning of the reporting period the plant was shut down.

2/4/80 At 1058 hours a plant startup was initiated.

At 2332 hours the generator was phased onto the grid.

2/9/80 At 0100 hours power was reduced for surveillance testing and a rod pattern adjustment.

At 0300 hours the adjustment was completed and a power ascension was initiated.

2/24/80 At 0100 hours power was reduced for surveillance testing and a rod pattern adjustment.

At 0230 hours the adjustment was completed and a power ascension initiated.

2/29/80 At the end of the reporting period the plant was operating at 99.8% of rated thermal power.