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MAINE YANKEE NUCLEAR POWER STATION
MONTHLY STATISTICAL REPORT 80-04
FOR THE MONTH OF APRIL, 1980

OPERATING DATA REPORT

DOCKET NO. 50-309
 DATE 800412
 COMPLETED BY F. C. Beers
 TELEPHONE 617-366-9011 X2215

OPERATING STATUS

1. Unit Name: Maine Yankee
 2. Reporting Period: April 1980
 3. Licensed Thermal Power (MWt): 2630
 4. Nameplate Rating (Gross MWe): 864
 5. Design Electrical Rating (Net MWe): 825
 6. Maximum Dependable Capacity (Gross MWe): 850
 7. Maximum Dependable Capacity (Net MWe): 810
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes
 Power restricted by steam flow through the LP Turbine.
 * Time change during report period.

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	719*	2,903.00	- - -
12. Number Of Hours Reactor Was Critical	710.93	1,480.50	52,690.50
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	707.70	1,350.06	50,867.87
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,739,186.00	2,737,275.00	107,979,358.00
17. Gross Electrical Energy Generated (MWH)	578,830.00	901,370.00	35,474,550.00
18. Net Electrical Energy Generated (MWh)	552,202.00	855,275.00	33,682,462.00
19. Unit Service Factor	98.43	46.51	77.63
20. Unit Availability Factor	98.43	46.51	77.63
21. Unit Capacity Factor (Using MDC Net)	94.82	36.37	66.73
22. Unit Capacity Factor (Using DER Net)	93.09	35.71	64.47
23. Unit Forced Outage Rate	1.57	4.84	6.83
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	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

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MONTH April 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>781</u>	17	<u>820</u>
2	<u>437</u>	18	<u>822</u>
3	<u>522</u>	19	<u>821</u>
4	<u>804</u>	20	<u>824</u>
5	<u>811</u>	21	<u>816</u>
6	<u>811</u>	22	<u>819</u>
7	<u>814</u>	23	<u>821</u>
8	<u>813</u>	24	<u>791</u>
9	<u>811</u>	25	<u>749</u>
10	<u>810</u>	26	<u>634</u>
11	<u>812</u>	27	<u>628</u>
12	<u>814</u>	28	<u>717</u>
13	<u>812</u>	29	<u>721</u>
14	<u>816</u>	30	<u>714</u>
15	<u>824</u>	31	<u></u>
16	<u>822</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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REPORT MONTH April 1980

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
L.R. to 20%	3/29/80 thru 4/2/80	F	86.18	H	1	N/A	CC	ZZZZZ	Load reduction to help leach residual chlorides out of the steam generators.
4-80-5	4/2/80	F	11.30	A	3	N/A	IA	INSTRU-T	A grounded capacitor in a S/G level transmitter led to a reactor trip during routine RPS surveillance testing.
L.R. to 75%	4/24/80	S	157.67 plus	H	1	N/A	RC	ZZZZZ	Load reduction due to increasing core D/P. NH ₄ OH was added to help remove the apparent buildup of crud on core surfaces.

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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REPORT MONTH April 1980

SUMMARY OF OPERATING EXPERIENCES

At the beginning of the month the plant was in the process of a slow (1%/hr.) power escalation from ~92% to full load following a load reduction to help soak out chlorides in the steam generator.

At 1311 hours on 4/2/80, a plant trip occurred (from 96%) during routine RPS surveillance testing. The cause was due to a grounded capacitor in one of the steam generator level transmitters. The reactor was taken critical later that day and the unit was phased to the grid at 0029 hours on 4/3/80.

The plant remained at full load until 4/24/80 when reactor power was reduced to 90%. The reason for the load reduction was due to an increase in the reactor core D/P. It is believed that increased crud deposits on core surfaces have caused the increase in D/P. On 4/25/80, load was dropped from 90% to 75% and NH_4OH was added to the RCS in an attempt to remove some of the crud buildup.

Following the NH_4OH additions (which were not considered successful as far as crud cleanup considerations), power was raised up to 85% and held there for the remainder of the month. Preparations were made to take the plant off the line over the 5/3/80-5/4/80 week-end, cool the plant down and add H_2O_2 as a mechanism for core crud removal.