

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 78-8

FOR THE MONTH OF AUGUST, 1978

8011070 007

OPERATING DATA REPORT

DOCKET NO. 50-29
 DATE 780911
 COMPLETED BY R.M. Sjogren
 TELEPHONE (617)366-9011 X228

OPERATING STATUS

1. Unit Name: YANKEE ROWE
2. Reporting Period: August, 1978
3. Licensed Thermal Power (MWt): 600
4. Nameplate Rating (Gross MWe): 185
5. Design Electrical Rating (Net MWe): 175
6. Maximum Dependable Capacity (Gross MWe): 180
7. Maximum Dependable Capacity (Net MWe): 175
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): N/A
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,831	
12. Number Of Hours Reactor Was Critical	739.6	5,668.19	129,661.97
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	736.98	5,648.98	125,433.11
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	432,125.6	3,349,161.3	66,764,800.21
17. Gross Electrical Energy Generated (MWH)	130,967.7	1,027,558.2	20,517,904.9
18. Net Electrical Energy Generated (MWH)	122,965.17	965,846.80	19,206,348.7
19. Unit Service Factor	99.1	96.9	79.4
20. Unit Availability Factor	100.0	100.0	-
21. Unit Capacity Factor (Using MDC Net)	94.4	94.7	72.9
22. Unit Capacity Factor (Using DER Net)	94.4	94.7	72.9
23. Unit Forced Outage Rate	.94	2.9	1.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling October 20, 1978 for 6 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
 26. Units In Test (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-29
 UNIT YANKEE ROWE
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MONTH August 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>168.7</u>	17	<u>169.9</u>
2	<u>168.5</u>	18	<u>170.1</u>
3	<u>168.4</u>	19	<u>169.9</u>
4	<u>60.9</u>	20	<u>169.4</u>
5	<u>152.4</u>	21	<u>168.9</u>
6	<u>168.8</u>	22	<u>169.0</u>
7	<u>169.3</u>	23	<u>168.6</u>
8	<u>170.4</u>	24	<u>168.7</u>
9	<u>170.5</u>	25	<u>168.5</u>
10	<u>170.6</u>	26	<u>168.1</u>
11	<u>170.7</u>	27	<u>167.7</u>
12	<u>170.6</u>	28	<u>168.6</u>
13	<u>170.1</u>	29	<u>169.1</u>
14	<u>169.7</u>	30	<u>169.0</u>
15	<u>169.5</u>	31	<u>169.0</u>
16	<u>169.8</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

DOCKET NO. 50-29
 UNIT NAME YANKEE ROWE
 DATE 780911
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 TELEPHONE (617) 366-9011 X2281

REPORT MONTH August 1978

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
10	8/4/78	F	7.02	H	3	None	N/A	N/A	Voltage transient caused by lightning storm. When the lightning struck the transmission lines a voltage spike was produced causing erroneous scram signals resulting in an automatic scram.

POOR ORIGINAL

F: Forced
 S: Scheduled

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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)

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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

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Exhibit I - Same Source

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REPORT MONTH August, 1978

SUMMARY OF OPERATING EXPERIENCES

- 8/4 At 0303 hours a turbine trip and reactor scram occurred as a result of an electrical storm. At 0727 the reactor was brought critical and at 1004 the turbine generator was phased to the grid. At 1050 the plant load was 30 MWe. At 1215 the plant load was held at 47 MWe because of high chloride concentration in No. 1 and 4 steam generators. At 1630 hours the analysis of the steam generators' water chemistry was within specifications and the plant load was increased at 18 MWe/hr. (10%). At 2300 hours, with plant load at 145 MWe, a hold in power escalation was begun for xenon equilibrium.
- 8/5 At 1100 hours plant load was increased and at 1530 hours the plant was operating at approximately full power.

Boa/12/198

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
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YANKEE ATOMIC ELEC DATE RCVD: 09/14/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 1
FORWARDING SUBJECT FACILITY'S MONTHLY OPERATING REPT FOR THE MONTH OF AUGUST, 1978.

PLANT NAME: YANKEE ROWE REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

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ANNUAL, SEMI-ANNUAL & MONTHLY OPERATING RPTS (OL STAGE)
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POOR ORIGINAL

Tom Ept
cep.