

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 77-4

FOR THE MONTH OF APRIL, 1977

8011070 011

DOCKET NO. 50-29 DATE 770505  
 UNIT NAME Yankee Rowe  
 COMPLETED BY E. C. TARNUZZER  
 TELEPHONE (617) 366-9011 X 276

## OPERATING PLANT DATA

POOR ORIGINAL

OPERATING STATUS

1. REPORTING PERIOD: April 1977 GROSS HOURS IN REPORTING PERIOD 719  
 2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 600 MAX. DEPEND. CAP. (MWe-NET) 175  
 DESIGN ELECTRICAL RATING (MWe-NET) 175  
 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): 566  
 4. REASONS FOR RESTRICTIONS (IF ANY):

Peak Linear Heat Generation Rate limited by ECCS accident analysis

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>640</u>	<u>2,794</u>	<u>120,193</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON-LINE	<u>625</u>	<u>2,745</u>	<u>116,058</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL POWER GENERATED (MWH)	<u>362,517</u>	<u>1,568,876</u>	<u>61,468,049</u>
10. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>110,659</u>	<u>491,480</u>	<u>18,890,108</u>
11. NET ELECTRICAL POWER GENERATED (MWH)	<u>103,821</u>	<u>462,075</u>	<u>17,683,493</u>
12. REACTOR SERVICE FACTOR	<u>89.1</u>	<u>97.1</u>	<u>82.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>87.7</u>	<u>96.7</u>	<u>81.5</u>
14. UNIT SERVICE FACTOR	<u>86.9</u>	<u>95.3</u>	<u>80.4</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>100.0</u>	<u>-</u>
16. UNIT CAPACITY FACTOR (USING MDC)	<u>82.5</u>	<u>91.7</u>	<u>72.8</u>
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	<u>82.5</u>	<u>91.7</u>	<u>72.8</u>
18. UNIT FORCED OUTAGE RATE	<u>13.1</u>	<u>3.5</u>	<u>1.5</u>

19. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): Seven week refueling outage commencing June 4, 1977.

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

UNIT NAME Yankee Rowe  
 DATE 770505  
 COMPLETED BY E. C. TARNUZZER  
 TELEPHONE (617) 366-9011 X 276

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1977

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR, (2)	CORRECTIVE ACTIONS/COMMENTS
77-5	770420	F	94	A	1	Containment Continuous Leak Monitoring System gave indication of containment leakage in excess of allowable. Containment & penetrations checked for leakage; leak rate now within specifications.

SUMMARY:

Plant operated at licensed limit, except for one forced outage to investigate apparent increase in reactor containment leak rate, for the entire period.

POOR ORIGINAL

## APPENDIX B

DOCKET NO. 50-29  
 UNIT Yankee Rowe  
 DATE 750505  
 COMPLETED BY E. C. Tarnuzzer  
 TELEPHONE (617) 366-9011 X 276

AVERAGE DAILY UNIT POWER LEVELMONTH April 1977

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>171</u>	16	<u>168</u>
2	<u>171</u>	17	<u>169</u>
3	<u>170</u>	18	<u>169</u>
4	<u>170</u>	19	<u>103</u>
5	<u>169</u>	20	<u>72</u>
6	<u>170</u>	21	<u>0</u>
7	<u>170</u>	22	<u>0</u>
8	<u>170</u>	23	<u>0</u>
9	<u>169</u>	24	<u>77</u>
10	<u>168</u>	25	<u>146</u>
11	<u>167</u>	26	<u>165</u>
12	<u>167</u>	27	<u>167</u>
13	<u>167</u>	28	<u>167</u>
14	<u>167</u>	29	<u>166</u>
15	<u>167</u>	30	<u>165</u>
		31	<u>-</u>

50-29

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
MONTHLY REPORT

TO: NRC

FROM: Yankee Atomic Elec Co  
Westborough, Mass  
D E Moody

DATE OF DOCUMENT  
9-6-77

DATE RECEIVED  
9-16-77

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PLANT NAME: Mankee Rowe

9-16-77 ehf

ENCLOSURE

Monthly Report for August 1977  
Plant & Component Operability & Availability.  
This Report to be used in preparing Gray Book  
by Plans & Operations.

4p

1 CY ENCL Rec'd \*

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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GREENFIELD, MASS.

POOR ORIGINAL

11/19/77  
1172590402

50-29

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

MONTHLY REPORT

TO:

N. R. C.

FROM:

Yankee Atomic Electric Company  
Westborough, Mass.  
J. L. French

DATE OF DOCUMENT

5/5/77

DATE RECEIVED

5/18/77

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ENCLOSURE

Monthly Report for APRIL, 1977  
Plant & Component Operability & Availability.  
This Report to be used in preparing Gray Book  
by Plans & Operations.

(4-P)

PLANT NAME:

**ACKNOWLEDGED**

Yankee Rowe  
RJL

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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CONTROL NUMBER

**POOR ORIGINAL**

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