

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 77-1

FOR THE MONTH OF JANUARY, 1977

8011070 019

DOCKET NO. 50-29 DATE 770104UNIT NAME Yankee Rowe

OPERATING PLANT DATA

COMPLETED BY E. C. TARNUZZERTELEPHONE (617) 366-9011 X 276OPERATING STATUS1. REPORTING PERIOD: January 1977 GROSS HOURS IN REPORTING PERIOD 7442. CURRENTLY AUTHORIZED POWER LEVEL MWt 600 MAX. DEPEND. CAP. (MWe-NET) 175DESIGN ELECTRICAL RATING (MWe-NET) 1753. POWER LEVEL TO WHICH RESTRICTED (IF ANY): 580.5 MWt

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>744</u>	<u>744</u>	<u>118,142</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON-LINE	<u>744</u>	<u>744</u>	<u>114,056*</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL POWER GENERATED (MWH)	<u>423,862</u>	<u>423,862</u>	<u>60,323,034</u>
10. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>134,139</u>	<u>134,139</u>	<u>18,532,767</u>
11. NET ELECTRICAL POWER GENERATED (MWH)	<u>126,643</u>	<u>126,643</u>	<u>17,348,061</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>100.0</u>	<u>81.9</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>100.0</u>	<u>81.3</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>100.0</u>	<u>80.2</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>100.0</u>	<u>-</u>
16. UNIT CAPACITY FACTOR (USING MDC)	<u>97.3</u>	<u>97.3</u>	<u>72.6</u>
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	<u>97.3</u>	<u>97.3</u>	<u>72.6</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0</u>	<u>0.0</u>	<u>1.5</u>

19. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): Six week refueling outage commencing June 3, 1977.

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: -
Corrected for minor errors accumulated since 1960.

DOCKET NO. 44-29
UNIT NAME Yankee Rowe
DATE 760204
COMPLETED BY E. C. TARNUZZER
TELEPHONE (617) 366-9011 X 276

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1977

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR, (2)	CORRECTIVE ACTIONS/COMMENTS
-	770130	S	-	B	1	Load reduction to 50% for four hours for turbine throttle valve surveillance testing.

SUMMARY:

The reactor power limit was increased from 550 MW to 580 MW on January 11. Operation continued at this increased power level.

APPENDIX B

DOCKET NO. 50-29

UNIT Yankee Rowe

DATE 760204

COMPLETED BY E. C. Tarnuzzer

TELEPHONE (617) 366-9011 X 276

AVERAGE DAILY UNIT POWER LEVEL

MONTH January 1977

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>163</u>	16	<u>173</u>
2	<u>163</u>	17	<u>173</u>
3	<u>163</u>	18	<u>173</u>
4	<u>163</u>	19	<u>173</u>
5	<u>163</u>	20	<u>173</u>
6	<u>163</u>	21	<u>173</u>
7	<u>163</u>	22	<u>173</u>
8	<u>163</u>	23	<u>173</u>
9	<u>163</u>	24	<u>173</u>
10	<u>163</u>	25	<u>172</u>
11	<u>168</u>	26	<u>172</u>
12	<u>172</u>	27	<u>172</u>
13	<u>173</u>	28	<u>172</u>
14	<u>172</u>	29	<u>172</u>
15	<u>173</u>	30	<u>167</u>
		31	<u>171</u>

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50-29

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MONTHLY REPORT

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Westborough, Massachusetts 01581
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MONTHLY REPORT FOR January, 1977
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

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(4 pages)

PLANT NAME: YANKEE ROWE

ACKNOWLEDGED
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FOR ACTION/INFORMATION

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