

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 77-10

FOR THE MONTH OF OCTOBER, 1977

8011060 876 . . .

APPENDIX B

DOCKET NO. 50-29
 UNIT YANKEE ROWE
 DATE 771104
 COMPLETED BY E. C. TARNUZZER
 TELEPHONE (617) 366-9011 X 276

AVERAGE DAILY UNIT POWER LEVELMONTH OCTOBER, 1977

| <u>DAY</u> | <u>AVERAGE DAILY MWe-net</u> | <u>DAY</u> | <u>AVERAGE DAILY MWe-net</u> |
|------------|------------------------------|------------|------------------------------|
| 1 | <u>145</u> | 16 | <u>147</u> |
| 2 | <u>146</u> | 17 | <u>147</u> |
| 3 | <u>146</u> | 18 | <u>147</u> |
| 4 | <u>146</u> | 19 | <u>147</u> |
| 5 | <u>146</u> | 20 | <u>148</u> |
| 6 | <u>146</u> | 21 | <u>148</u> |
| 7 | <u>145</u> | 22 | <u>148</u> |
| 8 | <u>145</u> | 23 | <u>148</u> |
| 9 | <u>143</u> | 24 | <u>148</u> |
| 10 | <u>146</u> | 25 | <u>148</u> |
| 11 | <u>146</u> | 26 | <u>148</u> |
| 12 | <u>145</u> | 27 | <u>148</u> |
| 13 | <u>108</u> | 28 | <u>148</u> |
| 14 | <u>146</u> | 29 | <u>148</u> |
| 15 | <u>146</u> | 30 | <u>148</u> |
| | | 31 | <u>148</u> |

DOCKET NO. 50-29 DATE 771104
 UNIT NAME YANKEE ROWE
 COMPLETED BY E. C. TARNUZZER
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OPERATING PLANT DATA

OPERATING STATUS

1. REPORTING PERIOD: OCTOBER 1977 GROSS HOURS IN REPORTING PERIOD 745
 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): 85% 509 MW_t
 4. REASONS FOR RESTRICTIONS (IF ANY):

LINEAR HEAT GENERATION RATE LIMIT AS DEFINED IN 10 CFR 50, APPENDIX K

| | THIS MONTH | YR-TO-DATE | CUMULATIVE TO DATE |
|---|----------------|------------------|-----------------------|
| 5. HOURS REACTOR WAS CRITICAL | <u>745</u> | <u>5,223</u> | <u>122,621</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS | <u>0</u> | <u>0</u> | <u>0</u> |
| 7. HOURS GENERATOR ON-LINE | <u>745</u> | <u>5,109</u> | <u>118,422</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL POWER GENERATED (MWH) | <u>373,612</u> | <u>2,760,608</u> | <u>62,659,780</u> |
| 10. GROSS ELECTRICAL POWER GENERATED (MWH) | <u>116,061</u> | <u>856,722</u> | <u>19,255,350</u> |
| 11. NET ELECTRICAL POWER GENERATED (MWH) | <u>109,018</u> | <u>803,557</u> | <u>18,024,975</u> |
| 12. REACTOR SERVICE FACTOR | <u>100.0</u> | <u>71.6</u> | <u>81.3</u> |
| 13. REACTOR AVAILABILITY FACTOR | <u>100.0</u> | <u>70.8</u> | <u>80.7</u> |
| 14. UNIT SERVICE FACTOR | <u>100.0</u> | <u>70.0</u> | <u>79.6</u> |
| 15. UNIT AVAILABILITY FACTOR | <u>100.0</u> | <u>71.9</u> | <u>--</u> |
| 16. UNIT CAPACITY FACTOR (USING MDC) | <u>83.6</u> | <u>62.9</u> | <u>71.9</u> |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | <u>83.6</u> | <u>62.9</u> | <u>71.9</u> |
| 18. UNIT FORCED OUTAGE RATE | <u>0.0</u> | <u>1.9</u> | <u>1.5</u> |

19. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH): TWO WEEKEND OUTAGES SCHEDULED FOR JANUARY, 1978, FOR OPERATOR TRAINING AND LICENSING EXAMS - DATES LATER.

UNIT NAME
 DATE 771104
 COMPLETED BY E. C. TARNUZZER
 TELEPHONE (617) 366-9011 X 276

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER 1977

| DATE | TYPE F-FORCED S-SCHEDULED | DURATION (HOURS) | REASON (1) | METHOD OF SHUTTING DOWN THE REACTOR, (2) | CORRECTIVE ACTIONS/COMMENTS |
|--------|---------------------------------|---------------------|------------|--|---|
| 771013 | F | -- | A | 1 | 9 HOUR LOAD REDUCTION TO MINIMUM LOAD (15MW) TO REPAIR DRAIN LINE ON H.P. TURBINE CASING. |

SUMMARY:

PLANT OPERATED AT 15% DERATE FOR APPENDIX K CONSIDERATIONS FOR ENTIRE MONTH.

50-29

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

MONTHLY REPORT

TO:

N. R. C.

FROM:
Yankee Atomic Elec. Company
Westborough, Mass.
D. E. Moody

DATE OF DOCUMENT
11/3/77

DATE RECEIVED
12/5/77

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DESCRIPTION

Letter trans the following:

ENCLOSURE

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

PLANT NAME: Yankee Rowe
RJL 12/6/77

(1-P)

(4-P)

1 ENCL

FOR ACTION/INFORMATION

MPC W/2 CYS FOR ACTION

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