

YANKEE ATOMIC NUCLEAR POWER STATION

MONTHLY STATISTICAL REPORT 77-5

FOR THE MONTH OF MAY, 1977

8011070 015

APPENDIX B

DOCKET NO. 50-59
 UNIT Yankee Rowe
 DATE 770606
 COMPLETED BY E. C. Tarnuzzer
 TELEPHONE (617) 366-9011 X 276

AVERAGE DAILY UNIT POWER LEVEL

MONTH May 1977

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>164</u>	16	<u>156</u>
2	<u>162</u>	17	<u>155</u>
3	<u>162</u>	18	<u>154</u>
4	<u>162</u>	19	<u>153</u>
5	<u>163</u>	20	<u>152</u>
6	<u>163</u>	21	<u>140</u>
7	<u>162</u>	22	<u>150</u>
8	<u>161</u>	23	<u>149</u>
9	<u>161</u>	24	<u>148</u>
10	<u>161</u>	25	<u>147</u>
11	<u>161</u>	26	<u>148</u>
12	<u>160</u>	27	<u>148</u>
13	<u>159</u>	28	<u>148</u>
14	<u>158</u>	29	<u>147</u>
15	<u>157</u>	30	<u>146</u>
		31	<u>144</u>

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OPERATING PLANT DATA

OPERATING STATUS

1. REPORTING PERIOD: May 1977 GROSS HOURS IN REPORTING PERIOD 744
2. CURRENTLY AUTHORIZED POWER LEVEL Mwt 600 MAX. DEPEND. CAP. (MWe-NET) 75
 DESIGN ELECTRICAL RATING (MWe-NET) 175
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): 91.5% (549 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>3538</u>	<u>120,937</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON-LINE	<u>744</u>	<u>3489</u>	<u>116,802</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL POWER GENERATED (MWH)	<u>395,790</u>	<u>1,964,666</u>	<u>61,863,838</u>
10. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>123,167</u>	<u>614,647</u>	<u>19,013,275</u>
11. NET ELECTRICAL POWER GENERATED (MWH)	<u>115,157</u>	<u>577,232</u>	<u>17,798,650</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>97.7</u>	<u>82.2</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>97.4</u>	<u>81.6</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>96.3</u>	<u>80.5</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>100.0</u>	<u>---</u>
16. UNIT CAPACITY FACTOR (USING MDC)	<u>88.4</u>	<u>91.0</u>	<u>72.9</u>
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	<u>88.4</u>	<u>91.0</u>	<u>72.9</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0</u>	<u>2.7</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 scheduled to commence June 4, will be postponed, possibly as late as July 1, 1977.		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>----</u>		

DOCKET NO. AV-33
 UNIT NAME Yankee Rowe
 DATE 770606
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APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1977

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR, (2)	CORRECTIVE ACTIONS/COMMENTS
--	770521	S	---	A,B	1	8 hour load reduction to 50% power for turbine valve surveillance & condenser tube plugging.

SUMMARY:

End of life coastdown operation began May 13. Plant operation normal, one load reduction during period for surveillance testing and equipment repair.

50-29

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MONTHLY REPORT

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6/6/77

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(1-P)

ENCLOSURE

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

(4-P)

PLANT NAME:
Yankee Rowe

RJL 6/8/77

FOR ACTION/INFORMATION

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