

UNIT: Oconee Unit 1
 DATE: 6-10-77
 DOCKET NO.: 50-269
 PREPARED BY: J. A. Reavis

OPERATING STATUS

1. REPORTING PERIOD: March 1 THROUGH March 31, 1977
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2568 NET CAPABILITY
 (MWe-Net): 860
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) _____
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	236.45	1251.13	23366.93
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	230.21	1230.57	21194.56
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
9. GROSS THERMAL ENERGY GENERATED (MWH)	521612	3065709	49451420
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	181570	1057780	17181210
11. NET ELECTRICAL ENERGY GENERATED (MWH)	168820	1002696	16235229
12. REACTOR SERVICE FACTOR	31.78	57.92	71.85
13. REACTOR AVAILABILITY FACTOR	35.72	58.62	67.61
14. UNIT SERVICE FACTOR	30.94	56.97	65.17
15. UNIT AVAILABILITY FACTOR	30.94	56.97	65.26
16. UNIT CAPACITY FACTOR (Using Net Capability)	26.38	53.98	58.05
17. UNIT CAPACITY FACTOR (Using Design Mwe)	25.58	52.33	56.28
18. UNIT FORCED OUTAGE RATE	69.06	43.03	19.78
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
 Refueling - June 5, 1977 - 6 weeks
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

April 2, 1977

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT FORCED OUTAGE RATE} = \frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$$

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