UNIT Oconee Unit 2
DATE 2/10/77
DOCKET NO. 50-270
PREPARED BY L. J. Bare

OPERATING STATUS

1. REPORTING PERIOD: January 1 THROUGH January 31, 1976
   GROSS HOURS IN REPORTING PERIOD: 744.0
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)

		This Month	Year to Date	Cumulative
5.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.0	744.0	14971.0
6.	REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7.	HOURS GENERATOR ON-LINE	744.0	744.0	14509.54
8.	UNIT RESERVE SHUTDOWN HOURS	-	-	-
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1916321	1916321	34682052
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	652990	652990	11808596
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	626360	626360	11210483
12.	REACTOR SERVICE FACTOR	100.0	100.0	71.2
13.	REACTOR AVAILABILITY FACTOR	100.0	100.0	69.5
14.	UNIT SERVICE FACTOR	100.0	100.0	69.0
15.	UNIT AVAILABILITY FACTOR	100.0	100.0	69.0
16.	UNIT CAPACITY FACTOR (Using Net Capability)	97.9	97.9	62.0
17.	UNIT CAPACITY FACTOR (Using Design Mwe)	94.9	94.9	60.1
18.	UNIT FORCED OUTAGE RATE	0	0	24.4

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
    Refueling - July 17, 1977 - 6 weeks
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

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

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

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

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

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

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

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AVERAGE DAILY UNIT POWER LEVEL

MONTH January, 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	839	17	845
2	838	18	843
3	841	19	847
4	844	20	840
5	845	21	849
6	843	22	849
7	843	23	849
8	845	24	843
9	845	25	844
10	841	26	821
11	848	27	836
12	833	28	836
13	842	29	838
14	843	30	841
15	843	31	842
16	844		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

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UNIT NAME Oconee Unit 2

DATE 2/10/77

UNIT SHUTDOWNS

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

(1) REASON
A-EQUIPMENT FAILURE (EXPLAIN)
B-MAINT. OR TEST
C-REFUELING
D-REGULATORY RESTRICTION
E-OPERATOR TRAINING AND LICENSE EXAMINATION
F-ADMINISTRATIVE
G-OPERATIONAL ERROR (EXPLAIN)
H-OTHER (EXPLAIN)

(2) METHOD
1-MANUAL
2-MANUAL SCRAM
3-AUTOMATIC SCRAM
4-Other

SUMMARY:

No outages this month.