UNIT Oconee Unit 3
DATE 5-10-77
DOCKET NO. 50-287
PREPARED BY J. A. Reavis

OPERATING STATUS

1. REPORTING PERIOD: April 1 THROUGH April 30, 1977
   GROSS HOURS IN REPORTING PERIOD: 719.00
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	713.45	2624.77	16027.47
6.	REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7.	HOURS GENERATOR ON-LINE	706.79	2602.84	15626.34
8.	UNIT RESERVE SHUTDOWN HOURS	-	-	-
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1748484	6558930	36927146
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	613270	2296190	12735634
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	586535	2196985	12130627
12.	REACTOR SERVICE FACTOR	99.23	91.17	77.03
13.	REACTOR AVAILABILITY FACTOR	98.30	90.59	77.48
14.	UNIT SERVICE FACTOR	98.30	90.41	75.10
15.	UNIT AVAILABILITY FACTOR	98.30	90.41	75.10
16.	UNIT CAPACITY FACTOR (Using Net Capability)	94.86	88.73	67.79
17.	UNIT CAPACITY FACTOR (Using Design Mwe)	91.97	86.03	65.73
18.	UNIT FORCED OUTAGE RATE	1.70	9.59	13.27

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)

Refueling - September 23, 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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{[Net Capability or Design (MWe-Net)] X HOURS IN REPORTING PERIOD}} \times 100$

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

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AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	865	17	863
2	869	18	863
3	840	19	854
4	864	20	831
5	854	21	839
6	682	22	840
7	589	23	838
8	838	24	802
9	860	25	848
10	849	26	835
11	851	27	826
12	870	28	809
13	442	29	817
14	776	30	836
15	848	31	
16	843		

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 3
DATE 5-10-77

UNIT SHUTDOWNS

REPORT MONTH April, 1977

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
4	77-04-07	F	6.10	A	3	Momentary loss of 125V DC power to the turbine control system. RC pumps tripped during the power supply transfer to the startup source.
5	77-04-14	F	6.11	A	3	Spurious reactor power/flow trip.

(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 major outages this month.