OPERATING DATA REPORT

DOCKET NO. 50-287
DATE 2-15-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 887
6. Maximum Dependable Capacity (Gross MWe): 899
7. Maximum Dependable Capacity (Net MWe): 860
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes
Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	744.0	27,432.0
12. Number Of Hours Reactor Was Critical	642.4	642.4	20,807.0
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	624.0	624.0	20,197.7
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1,421,574	1,421,574	46,654,894
17. Gross Electrical Energy Generated (MWH)	497,040	497,040	16,448,884
18. Net Electrical Energy Generated (MWH)	472,485	472,485	15,645,092
19. Unit Service Factor	83.9	83.9	73.6
20. Unit Availability Factor	83.9	83.9	73.6
21. Unit Capacity Factor (Using MDC Net)	73.8	73.8	65.8
22. Unit Capacity Factor (Using DER Net)	71.6	71.6	64.3
23. Unit Forced Outage Rate	16.1	16.1	14.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

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(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287
UNIT Oconee Unit 3
DATE 2-15-78
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MONTH January, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	860	17	647
2	856	18	648
3	859	19	634
4	845	20	519
5	813	21	47
6	809	22	-
7	809	23	-
8	831	24	-
9	867	25	-
10	870	26	229
11	864	27	692
12	862	28	809
13	857	29	854
14	667	30	866
15	635	31	862
16	647		

INSTRUCTIONS

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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1978

DOCKET NO. 50-287
UNIT NAME Oconee Unit 3
DATE 2-15-78
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TELEPHONE (704) 373-8552

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
1	78-01-14	F	-	A	4		CB	PUMPXB	Reduced power to 75% for 3 pump operation due to low oil level alarm on upper oil pot of 3B1 reactor coolant pump
2	78-01-21	F	119.97	A	1		SF	VALVEX	Leak on valve CF-1 core flood tank valve repaired.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

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DOCKET NO.: 50-287
UNIT: Oconee Unit 3
DATE: 2-15-78

NARRATIVE SUMMARY

MONTH January, 1978

Oconee Unit 3 was reduced from near rated power from the 4th to the 8th to allow turbine generator moisture separator reheater drains to be directed to the main condenser and again on January 14th when reactor coolant pump 3B1 was removed from service due to a low oil level. The unit was shut down from January 21st to January 26th to repair a body to bonnet leak on core flood valve 3CF1 and add oil to reactor coolant pump 3B1 motor bearing reservoir. Following a normal start up, the unit operated at near rated power the remainder of the month. Information concerning personnel exposure and radioactive releases during the month will be submitted with the February, 1978 report.

19. **UNIT SERVICE FACTOR**. Compute by dividing hours the generator was on line (item 14) by the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent. Do not include reserve shutdown hours in the calculation.

20. **UNIT AVAILABILITY FACTOR**. Compute by dividing the unit available hours (item 14 plus item 15) by the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent.

21. **UNIT CAPACITY FACTOR (USING MDC NET)**. Compute by dividing net electrical energy generated (item 18) by the product of maximum dependable capacity (item 7) times the gross hours in the reporting period (item 11). Express as percent to the nearest tenth of a percent.

22. **UNIT CAPACITY FACTOR (USING DER NET)**. Compute as in item 21, substituting design electrical rating (item 5) for maximum dependable capacity.

23. **UNIT FORCED OUTAGE RATE**. Compute by dividing the total forced outage hours (from the table in Unit Shutdowns and Power Reductions) by the sum of hours generator on line (item 14) plus total forced outage hours (from the table in Unit Shutdowns and Power Reductions). Express as percent to the nearest tenth of a percent.

24. **SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)**. Include type (refueling, maintenance, other), proposed date of start of shutdown, and proposed length of shutdown. It is recognized that shutdowns may be scheduled between reports and that this item may not be all inclusive. Be as accurate as possible as of the date the report is prepared. This item is to be prepared each month and updated if appropriate until the actual shutdown occurs.

25. Self-explanatory.

26. Self-explanatory. Note, however, that this information is requested for all units in startup and power ascension test status and is not required for units already in commercial operation.

    TEST STATUS is defined as that period following initial criticality during which the unit is tested at successively higher outputs, culminating with operation at full power for a sustained period and completion of warranty runs. Following this phase, the unit is generally considered by the utility to be available for commercial operation.

    Date of **COMMERCIAL OPERATION** is defined as the date that the unit was declared by the utility owner to be available for the regular production of electricity, usually related to the satisfactory completion of qualification tests as specified in the purchase contract and to the accounting policies and practices of the utility.