UNIT Oconee Unit 1
DATE 12-09-77
DOCKET NO. 50-269
PREPARED BY J. A. Reavis

OPERATING STATUS

1. REPORTING PERIOD: November 1 THROUGH November 30, 1977
   GROSS HOURS IN REPORTING PERIOD: 720.00
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	720.00	4,962.6	27,078.4
6.	REACTOR RESERVE SHUTDOWN HOURS	--	--	--
7.	HOURS GENERATOR ON-LINE	720.0	4,824.7	24,788.7
8.	UNIT RESERVE SHUTDOWN HOURS	--	--	--
9.	GROSS THERMAL ENERGY GENERATED(MWH)	1,418,049	10,743,586	57,129,297
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	486,420	3,675,720	19,799,150
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	459,598	3,460,701	18,693,234
12.	REACTOR SERVICE FACTOR	100.0	61.9	70.6
13.	REACTOR AVAILABILITY FACTOR	100.0	61.8	66.9
14.	UNIT SERVICE FACTOR	100.0	60.2	64.6
15.	UNIT AVILABILITY FACTOR	100.0	60.2	64.7
16.	UNIT CAPACITY FACTOR (Using Net Capability)	74.2	50.2	56.3
17.	UNIT CAPACITY FACTOR (Using Design Mwe)	72.0	48.7	54.9
18.	UNIT FORCED OUTAGE RATE	-0-	22.84	18.8

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
    None
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 = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

R

DOCKET NO 50-269

UNIT NAME Oconee Unit 1

DATE 12-09-77

UNIT SHUTDOWNS

REPORT MONTH November, 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

SUMMARY:

No outages this month. Note that cumulative capacity factors for Oconee Unit 1 have been calculated using a weighted maximum dependable capacity to reflect past variations in this number.

DOCKET NO. 50-269
UNIT Oconee Unit 1
DATE 12-09-77

AVERAGE DAILY UNIT POWER LEVEL

MONTH November, 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	625	17	618
2	627	18	620
3	629	19	625
4	342	20	625
5	215	21	624
6	393	22	623
7	579	23	624
8	615	24	785
9	615	25	841
10	612	26	836
11	616	27	834
12	621	28	833
13	622	29	836
14	620	30	838
15	622	31	
16	622		

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.