

UN Oconee Unit 3  
 DATE 9/12/77  
 DOCKET NO. 50-287  
 PREPARED BY J. A. Reavis

OPERATING STATUS

1. REPORTING PERIOD: January THROUGH August, 1977  
 GROSS HOURS IN REPORTING PERIOD: 744.00
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) \_\_\_\_\_
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL
 

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>708.41</u>	<u>4835.84</u>	<u>17859.34</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1729016</u>	<u>11995745</u>	<u>42363962</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>591700</u>	<u>4167840</u>	<u>14607284</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>562746</u>	<u>3974272</u>	<u>13907914</u>
12. REACTOR SERVICE FACTOR	<u>96.26</u>	<u>83.80</u>	<u>76.98</u>
13. REACTOR AVAILABILITY FACTOR	<u>95.22</u>	<u>83.02</u>	<u>77.25</u>
14. UNIT SERVICE FACTOR	<u>95.22</u>	<u>82.93</u>	<u>75.17</u>
15. UNIT AVILABILITY FACTOR	<u>95.22</u>	<u>82.93</u>	<u>75.17</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>87.95</u>	<u>79.25</u>	<u>68.07</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>85.27</u>	<u>76.84</u>	<u>65.99</u>
18. UNIT FORCED OUTAGE RATE	<u>4.78</u>	<u>17.07</u>	<u>14.83</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)  
Refueling - October 15, 1977
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

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

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

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

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

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

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

7912170 595

# UNIT SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE 9-12-77

REPORT MONTH August, 1977

NO.	DATE	TYPE F-FORCED S SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
9	77-08-20	F	35.59	A	1	Short in stator caused control rod to drop into core.
<div> <div>(1) REASON</div> <div> 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) </div> </div> <div> <div>(2) METHOD</div> <div> 1-MANUAL  2-MANUAL  SCRAM  3-AUTOMATIC  SCRAM  4-Other </div> </div>						

## SUMMARY:

No major outage this month.

DOCKET NO. 50-287  
 UNIT Oconee Unit 3  
 DATE 9/12/77

### AVERAGE DAILY UNIT POWER LEVEL

MONTH August, 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-net)

1	<u>742</u>
2	<u>824</u>
3	<u>837</u>
4	<u>837</u>
5	<u>842</u>
6	<u>849</u>
7	<u>851</u>
8	<u>850</u>
9	<u>851</u>
10	<u>847</u>
11	<u>851</u>
12	<u>847</u>
13	<u>848</u>
14	<u>850</u>
15	<u>850</u>
16	<u>849</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-net)

17	<u>845</u>
18	<u>850</u>
19	<u>849</u>
20	<u>467</u>
21	<u>-</u>
22	<u>299</u>
23	<u>450</u>
24	<u>640</u>
25	<u>678</u>
26	<u>750</u>
27	<u>839</u>
28	<u>842</u>
29	<u>847</u>
30	<u>847</u>
31	<u>851</u>

### 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.