

OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

- 1. Unit Name: Oconee Unit 1
- 2. Reporting Period: September, 1980
- 3. Licensed Thermal Power (MWt): 2568
- 4. Nameplate Rating (Gross MWe): 934
- 5. Design Electrical Rating (Net MWe): 886
- 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:  
None

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): None
- 10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6,575.0</u>	<u>63,216.0</u>
12. Number Of Hours Reactor Was Critical	<u>622.1</u>	<u>4,564.0</u>	<u>45,078.5</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>597.5</u>	<u>4,434.3</u>	<u>42,381.3</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,245,125</u>	<u>9,643,779</u>	<u>98,861,898</u>
17. Gross Electrical Energy Generated (MWH)	<u>435,040</u>	<u>3,409,110</u>	<u>34,323,410</u>
18. Net Electrical Energy Generated (MWH)	<u>408,066</u>	<u>3,226,444</u>	<u>32,457,943</u>
19. Unit Service Factor	<u>83.0</u>	<u>67.4</u>	<u>67.0</u>
20. Unit Availability Factor	<u>83.0</u>	<u>67.4</u>	<u>67.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>65.9</u>	<u>57.1</u>	<u>59.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>64.0</u>	<u>55.4</u>	<u>58.0</u>
23. Unit Forced Outage Rate	<u>17.0</u>	<u>14.5</u>	<u>17.7</u>

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

TMI-Related Modifications - November 16 - 3 weeks

- 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	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

8010210 437

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH September, 1980

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
7	80-09-01	F	35.38	A	-		CH	HTEXCH	Outage due to feedwater heater 1B1 tube rupture continues.
8-p	80-09-02	F	-	A	-		RB	CRDRVE	Control rod #8 Gp. #7 dropped causing a power reduction.
8	80-09-07	F	3.83	A	3		HC	VALVEX	Unit tripped due to (MSDT) moisture separator drain tank high level. Air line broke allowing valve 1HD-59 to fail closed.
9-p	80-09-07	F	-	A	-		RB	CRDVE	Control rod #8 Gp. #7 remains dropped forcing operation at reduced power.
9	80-09-11	F	83.32	A	1		RB	CRDVE	Unit shutdown for rod #8 Gp. #7 stator replacement.
10-p	80-09-15	F	-	H	-		HA	FILTER	Hold in power due to powdex limitation

1 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 C - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5 Exhibit F - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269

UNIT Oconee Unit 1

DATE 10/15/80

COMPLETED BY J. A. Reavis

TELEPHONE (704)373-8552

MONTH September, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-	17	850
2	188	18	849
3	445	19	846
4	457	20	849
5	455	21	849
6	458	22	848
7	299	23	848
8	460	24	830
9	459	25	849
10	413	26	841
11	-	27	824
12	-	28	822
13	-	29	836
14	178	30	843
15	659	31	
16	851		

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.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: May, 1981
3. Scheduled restart following refueling: July, 1981
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes  
If yes, what will these be? \_\_\_\_\_

Technical Specification Revision

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? NA  
If no, when is review scheduled? NA

5. Scheduled date(s) for submitting proposed licensing action and supporting information: April, 1981
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). None
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

7. Number of fuel assemblies (a) in the core: 177  
(b) in the spent fuel pool: 342
8. Present licensed fuel pool capacity: 750  
Size of requested or planned increase: 1312
9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_

DUKE POWER COMPANY

Date: October 15, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 10/15/80

**NARRATIVE SUMMARY**

MONTH: September, 1980.

Oconee 1 began September in an outage for feedwater heater 1B1 tube repair. The unit returned to service on September 2 at 1123. A dropped control rod (rod #8 gp 7) prevented power increase above 55%.

A turbine/reactor trip occurred on September 7 at 0708 due to a high moisture separator drain tank level. The high level was caused by a broken air line allowing valve 1 HD-59 to fail closed. At 1058, the unit was returned to service and power increased to 55%.

The unit was shut down on September 11 to replace a bad stator on the control rod drive for rod #8 gp. 7 and returned to service on September 14. A hold in power increase was necessary on September 15 due to a powdex flow limitation with four cells in service. Near rated power was reached on September 16 and except for various small reductions, continued the remainder of the month.

**OPERATING DATA REPORT**

DOCKET NO. 50-270  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

**OPERATING STATUS**

1. Unit Name: Oconee Unit 2  
 2. Reporting Period: September, 1980  
 3. Licensed Thermal Power (MWT): 2568  
 4. Nameplate Rating (Gross MWe): 934  
 5. Design Electrical Rating (Net MWe): 886  
 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:  
None

**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): None  
 10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr. to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6,575.0</u>	<u>53,136.0</u>
12. Number Of Hours Reactor Was Critical	<u>718.7</u>	<u>3,962.7</u>	<u>37,558.6</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>716.2</u>	<u>3,860.3</u>	<u>36,636.4</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,683,265</u>	<u>8,194,902</u>	<u>86,242,307</u>
17. Gross Electrical Energy Generated (MWH)	<u>568,930</u>	<u>2,778,210</u>	<u>29,292,566</u>
18. Net Electrical Energy Generated (MWH)	<u>541,444</u>	<u>2,622,678</u>	<u>27,786,436</u>
19. Unit Service Factor	<u>99.5</u>	<u>58.7</u>	<u>69.0</u>
20. Unit Availability Factor	<u>99.5</u>	<u>58.7</u>	<u>69.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>87.4</u>	<u>46.4</u>	<u>60.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>84.9</u>	<u>45.0</u>	<u>59.0</u>
23. Unit Forced Outage Rate	<u>0.5</u>	<u>2.8</u>	<u>18.5</u>

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

TMI-Related Modifications - October 24 - 3 weeks

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	<u>_____</u>	<u>_____</u>
INITIAL ELECTRICITY	<u>_____</u>	<u>_____</u>
COMMERCIAL OPERATION	<u>_____</u>	<u>_____</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH September, 1980

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code	Component Codes	Cause & Corrective Action to Prevent Recurrence
12-p	80-09-01	F	-	D	-		SF	PUMPXX	Power reduction continues per tech spec for two HPI pump operation. Maintenance on 2 "B" HPI pump.
13-p	80-09-19	F	-	D	-		SF	PUMPXX	Power reduction per tech spec for two HPI pump operation. Maintenance on 2B HPI pump exceeding the 72 hour time period.
14-p	80-09-20	F	-	B	-		ZZ	ZZZZZZ	Hold in power at 90% for NI calibration.
3	80-09-30	F	3.78	F	3		HA	TURBIN	Turbine/reactor trip due to loss of power to turbine EHC pumps when MCC 2XA tripped.
15-p	80-09-30	F	-	D	-		RC	FUELXX	Xenon hold at 38% power.

1 Forced  
 S Scheduled

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270  
 UNIT Oconee Unit 2  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH September, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>469</u>	17	<u>828</u>
2	<u>469</u>	18	<u>827</u>
3	<u>473</u>	19	<u>687</u>
4	<u>510</u>	20	<u>727</u>
5	<u>809</u>	21	<u>809</u>
6	<u>832</u>	22	<u>827</u>
7	<u>824</u>	23	<u>830</u>
8	<u>816</u>	24	<u>832</u>
9	<u>817</u>	25	<u>831</u>
10	<u>816</u>	26	<u>821</u>
11	<u>817</u>	27	<u>796</u>
12	<u>815</u>	28	<u>720</u>
13	<u>815</u>	29	<u>831</u>
14	<u>817</u>	30	<u>445</u>
15	<u>826</u>	31	<u></u>
16	<u>827</u>		

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.





DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 10/15/80

**NARRATIVE SUMMARY**

MONTH: September, 1980

Oconee 2 began the month of September at 59% power due to maintenance on the 2B1 HPI pump. The pump was declared operable on September 4 and power was increased to 100% by 0645 on September 5.

On September 16, the 2B1 HPI pump was declared inoperable and removed from service for maintenance. Power was reduced to 55% on September 19 after the 72 hour limit was exceeded. The pump was declared operable on September 20 and power was increased to 100%.

A turbine/reactor trip occurred on September 30 due to the loss of power for the turbine EHC pumps when motor control center 2XA tripped. Power was restored and the unit returned to service in a few hours. The month ended with the unit at 67% power and increasing.

OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3  
 2. Reporting Period: September, 1980  
 3. Licensed Thermal Power (MWt): 2568  
 4. Nameplate Rating (Gross MWe): 934  
 5. Design Electrical Rating (Net MWe): 886  
 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:  
None

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): None  
 10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6,575.0</u>	<u>50,783.0</u>
12. Number Of Hours Reactor Was Critical	<u>616.5</u>	<u>4,923.1</u>	<u>36,816.9</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>609.5</u>	<u>4,833.5</u>	<u>35,895.1</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,517,478</u>	<u>12,145,340</u>	<u>86,526,946</u>
17. Gross Electrical Energy Generated (MWH)	<u>516,480</u>	<u>4,186,100</u>	<u>29,937,364</u>
18. Net Electrical Energy Generated (MWH)	<u>490,268</u>	<u>3,986,896</u>	<u>28,483,452</u>
19. Unit Service Factor	<u>84.7</u>	<u>73.5</u>	<u>70.7</u>
20. Unit Availability Factor	<u>84.7</u>	<u>73.5</u>	<u>70.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>79.2</u>	<u>70.5</u>	<u>64.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>76.9</u>	<u>68.4</u>	<u>63.3</u>
23. Unit Forced Outage Rate	<u>15.4</u>	<u>13.7</u>	<u>17.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - December 5 - 10 weeks</u>			

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 | _____    | _____    |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1980

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 10/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
11-p	80-09-01	H	-	A	-		ZZ	ZZZZZZ	Holding at 96% power for better unit control with RPS channels A and D not serviceable.
6	80-09-05	F	77.72	A	1		IB	INSTRU	Shutdown for repairs to RPS channels A and D. Could not test other channels that was due.
7	80-09-08	F	32.83	H	1		CB	PUMPXX	Shutdown to change oil in 3A1 and 3A2 reactor coolant pumps due to the adding of wrong oil during previous outage.

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287

UNIT Oconee Unit 3

DATE 10/15/80

COMPLETED BY J. A. Reavis

TELEPHONE (704)373-8552

MONTH September, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>819</u>	17	<u>827</u>
2	<u>819</u>	18	<u>826</u>
3	<u>819</u>	19	<u>824</u>
4	<u>771</u>	20	<u>825</u>
5	<u>-</u>	21	<u>826</u>
6	<u>-</u>	22	<u>826</u>
7	<u>-</u>	23	<u>826</u>
8	<u>44</u>	24	<u>826</u>
9	<u>-</u>	25	<u>830</u>
10	<u>701</u>	26	<u>828</u>
11	<u>828</u>	27	<u>828</u>
12	<u>830</u>	28	<u>827</u>
13	<u>831</u>	29	<u>829</u>
14	<u>830</u>	30	<u>827</u>
15	<u>826</u>	31	<u></u>
16	<u>826</u>		

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.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: December, 1980
3. Scheduled restart following refueling: February, 1980
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes  
If yes, what will these be? \_\_\_\_\_

Technical Specification Revision

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? NA  
If no, when is review scheduled? NA

5. Scheduled date(s) for submitting proposed licensing action and supporting information: 8/25/80
  6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). None
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

7. Number of fuel assemblies (a) in the core: 177  
(b) in the spent fuel pool: 465

8. Present licensed fuel pool capacity: 474  
Size of requested or planned increase: None

9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_

DUKE POWER COMPANY

Date: October 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 10/15/80

NARRATIVE SUMMARY

MONTH: September, 1980

Oconee 3 began September operating near 96% power for better unit control with RPS channels A and B out of service. The unit was shut down on September 5 for repairs to the RPS channels. Repairs were completed and the unit returned to service on September 8.

On September 8 with the unit at 39% power, it was noted that the oil added to the 3A1 and 3A2 RCP's during the outage was not the right oil. The unit was removed from service to change oil in these pumps. It returned to service on September 9 and increased to near rated power by September 10 and continued the remainder of the month.

OCONEE NUCLEAR STATION  
Operating Status Report

1. Personnel Exposure

For the month of August, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for August has been compared with the Technical Specifications annual value of 15 curies; the total release for August was less than 10 percent of this limit.

The total station gaseous release for August has been compared with the derived Technical Specifications annual value of 51,000 curies; the total release for August was less than 10 percent of this limit.