

OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: August, 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>744.0</u>	<u>5 855.0</u>	<u>62 496.0</u>
12. Number Of Hours Reactor Was Critical	<u>464.0</u>	<u>3 941.9</u>	<u>44 456.4</u>
13. Reactor Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>450.7</u>	<u>3 836.8</u>	<u>41 783.9</u>
15. Unit Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 127 186</u>	<u>8 398 654</u>	<u>97 616 773</u>
17. Gross Electrical Energy Generated (MWH)	<u>396 190</u>	<u>2 974 070</u>	<u>33 888 370</u>
18. Net Electrical Energy Generated (MWH)	<u>374 441</u>	<u>2 818 378</u>	<u>32 049 877</u>
19. Unit Service Factor	<u>60.6</u>	<u>65.5</u>	<u>66.9</u>
20. Unit Availability Factor	<u>60.6</u>	<u>65.5</u>	<u>66.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>58.5</u>	<u>56.0</u>	<u>59.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>56.8</u>	<u>54.3</u>	<u>57.9</u>
23. Unit Forced Outage Rate	<u>39.4</u>	<u>14.1</u>	<u>17.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
TMI Related Modification - November 17 - 5 Weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: September 2, 1980

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 08/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH June, 1980

No.	Date	Type	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>1</sup>	Component Code <sup>2</sup>	Cause & Corrective Action to Prevent Recurrence
7-p	80-06-01	F	-	A	-		CB	MOTORX	1B1 RCP remains out of service. Will require outage for inspection before restarting.
4	80-06-27	S	93.59	D	1		ZZ	ZZZZZZ	NRC required modifications of emergency power supply NSM 1531. Also inspection of 1B1 RCP lower motor bearing.
					CORRECTED COPY				

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1980

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 09-15-80  
 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
6	80-08-17	F	11.18	A	3		HA	TURBIN	A bad card in the EHC control system caused a turbine/reactor trip due to low EHC oil pressure.
7	80-08-20	F	282.12	A	1		CH	HTEXCH.	Tube leaks in the IBI feedwater heater caused a shutdown when the heater could not be isolated sufficiently.

<sup>1</sup> 1 - Forced  
 S - Scheduled

<sup>2</sup> 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)

<sup>3</sup> Method:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Other (Explain)

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

<sup>5</sup> Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269  
 UNIT Oconee Unit 1  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH AUGUST, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	861	17	303
2	866	18	772
3	865	19	781
4	866	20	68
5	865	21	--
6	863	22	--
7	864	23	--
8	865	24	--
9	837	25	--
10	846	26	--
11	864	27	--
12	862	28	--
13	865	29	--
14	865	30	--
15	861	31	--
16	861		

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: September 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 09-15-80

NARRATIVE SUMMARY

MONTH: August, 1980

Oconee 1 began the month of August at near rated power. A fault in a turbine EHC system control card giving an indication of low EHC oil pressure caused a unit trip on August 17. The unit returned to service the same day and increased in power.

On August 20, the unit was shutdown when the 1B1 feedwater heater could not be isolated sufficiently after tube ruptures. The unit was out the remainder of the month for heater repair.

OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: August, 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	744.0	5 855.0	52 416.0
12. Number Of Hours Reactor Was Critical	744.0	3 244.0	36 839.9
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	744.0	3 144.1	35 920.2
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1 139 057	6 511 637	84 559 042
17. Gross Electrical Energy Generated (MWH)	382 210	2 209 280	28 723 636
18. Net Electrical Energy Generated (MWH)	356 095	2 081 234	27 244 992
19. Unit Service Factor	100.0	53.7	68.5
20. Unit Availability Factor	100.0	53.7	68.5
21. Unit Capacity Factor (Using MDC Net)	55.7	41.3	60.1
22. Unit Capacity Factor (Using DER Net)	54.0	40.1	58.7
23. Unit Forced Outage Rate	0.0	3.4	18.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
TMI Related Modification - October 12 - 5 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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH August, 1980

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 09-15-80  
 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
12-p	80-08-01	F	-	D			SF	PUMPXX	Maintenance problems on the 2 "B" high pressure injection pump required the unit to stay at reduced power per tech. spec. for operation with two (2) HPI pumps.

- <sup>1</sup>
- 1 Forced
  - 5 Scheduled

- <sup>2</sup>
- 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)

- <sup>3</sup>
- Method:
- 1 Manual
  - 2 Manual Scram
  - 3 Automatic Scram
  - 4 Other (Explain)

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

- <sup>5</sup>
- Exhibit I - Same Source



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270  
 UNIT Oconee Unit 2  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH AUGUST, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	488	17	480
2	485	18	482
3	482	19	481
4	484	20	470
5	483	21	479
6	482	22	480
7	479	23	479
8	479	24	479
9	477	25	479
10	484	26	479
11	481	27	478
12	478	28	476
13	472	29	472
14	478	30	470
15	476	31	468
16	480		

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 2
2. Scheduled next refueling shutdown: June, 1981
3. Scheduled restart following refueling: August, 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: May, 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: September 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 09-15-80

NARRATIVE SUMMARY

MONTH: August, 1980 -

Oconee 2 began the month of August at 59% power due to technical specifications requiring a power reduction when only two (2) HPI pumps are available for service. Maintenance problems with the 2B HPI pump has required the unit to be reduced in power the entire month. It is expected to be in service early in September.

OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: August, 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>744.0</u>	<u>5 855.0</u>	<u>50 063.0</u>
12. Number Of Hours Reactor Was Critical	<u>742.4</u>	<u>4 306.6</u>	<u>36 200.5</u>
13. Reactor Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>731.9</u>	<u>4 224.0</u>	<u>35 285.7</u>
15. Unit Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 825 755</u>	<u>10 627 862</u>	<u>85 009 468</u>
17. Gross Electrical Energy Generated (MWH)	<u>627 380</u>	<u>3 669 620</u>	<u>29 420 884</u>
18. Net Electrical Energy Generated (MWH)	<u>598 692</u>	<u>3 496 628</u>	<u>27 993 184</u>
19. Unit Service Factor	<u>98.4</u>	<u>72.1</u>	<u>70.5</u>
20. Unit Availability Factor	<u>98.4</u>	<u>72.1</u>	<u>70.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.6</u>	<u>69.4</u>	<u>64.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.8</u>	<u>67.4</u>	<u>63.1</u>
23. Unit Forced Outage Rate	<u>1.6</u>	<u>13.4</u>	<u>17.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling & SSF Tie-In - December 21 - 15 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

REPORT MONTH August, 1980

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

No.	Date	Type	Duration (Hours)	Reason <sup>1</sup>	Method of Shutting Down Reactor <sup>2</sup>	Licensee Event Report #	System Code <sup>3</sup>	Component Code <sup>4</sup>	Cause & Corrective Action to Prevent Recurrence
5	80-08-15	F	6.53	A	3		EB	CKTBRK	Unit tripped due to power loss to turbine EHC pumps when MCC-3XA tripped.
5A	80-08-15	F	5.62	H	--		RC	FUELXX	Reactor quadrant power tilt caused a hold in startup.
9-p	80-08-16	F	--	A	--		CH	VALVEX	Holding at 60% power for repairs to "B" feedwater suction relief valve.
10-p	80-08-21	F	--	B	--		CH	TURBIN	3A feedwater pump turbine tripped while performing FDWPT oil trip test.
11-p	80-08-22	H	--	A	--		ZZ	ZZZZZZ	Holding at 96% power for better unit cont with RPS channels A and D not serviceable.

1  
 F - 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. 50-287  
 UNIT Oconee Unit 3  
 DATE 09-15-80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH AUGUST, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	845
2	846
3	846
4	845
5	846
6	846
7	846
8	845
9	846
10	845
11	845
12	843
13	842
14	842
15	442
16	427

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	723
18	843
19	843
20	843
21	831
22	805
23	817
24	817
25	818
26	819
27	818
28	819
29	818
30	818
31	818

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, 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: September 1, 1980
  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: 431
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: September 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 09-15-80

NARRATIVE SUMMARY

MONTH: August, 1980 -

Oconee 3 began August at near rated power. The unit tripped on August 15 due to the loss of power to the turbine EHC pumps. After a hold due to reactor flux/flow imbalance, the unit was back in service on August 16 and increased in power. A hold was necessary at 60% power to repair the 3B feedwater pump suction relief valve, but reached near rated power on August 17.

On August 21, a control runback to 81% power was experienced when the 3A FWPT tripped while performing an oil trip test. It was back in service and increasing power within the hour.

Power was held at 96% the remainder of the month for better unit control due to RPS channels A and D being inoperable. An outage will be required to place the channels back in service.



OCONEE NUCLEAR STATION  
Operating Status Report

1. Personnel Exposure

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

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

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