

# OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 12/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: November, 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>8,040.0</u>	<u>64,681.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>6,027.6</u>	<u>46,542.0</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>5,893.1</u>	<u>43,840.1</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,843,507</u>	<u>13,368,007</u>	<u>102,586,126</u>
17. Gross Electrical Energy Generated (MWH)	<u>657,500</u>	<u>4,723,700</u>	<u>35,638,000</u>
18. Net Electrical Energy Generated (MWH)	<u>628,740</u>	<u>4,482,107</u>	<u>33,713,606</u>
19. Unit Service Factor	<u>100.0</u>	<u>73.3</u>	<u>67.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>73.3</u>	<u>67.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.5</u>	<u>64.8</u>	<u>60.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.6</u>	<u>62.9</u>	<u>58.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>11.4</u>	<u>17.2</u>

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

None

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

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(9/77)

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1980

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 12/15/80  
 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	80-11-19	F	-	B	-		HA	TURBIN	Did turbine valve movement test to check for possible broken valve stem. Test indicated no problem.

<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

(P/11)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269  
 UNIT Oconee Unit 1  
 DATE 12/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH November, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	873	17	874
2	877	18	874
3	877	19	863
4	878	20	858
5	877	21	872
6	864	22	872
7	865	23	873
8	879	24	872
9	878	25	872
10	877	26	872
11	879	27	872
12	878	28	872
13	879	29	873
14	877	30	874
15	875	31	
16	874		

## 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

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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: December 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 12/15/80

#### NARRATIVE SUMMARY

MONTH: November, 1980.

Oconee 1 began the month of November at near rated power. Power was reduced on November 19 to perform a turbine valve movement test due to indications of a possible broken valve stem. The test proved no problem and power was increased. The unit continued at near rated power the remainder of the month.

# OPERATING DATA REPORT

DOCKET NO: 50-270  
 DATE 12/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: November, 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

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

### Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period:	<u>720.0</u>	<u>8,040.0</u>	<u>54,601.0</u>
12. Number Of Hours Reactor Was Critical:	<u>162.1</u>	<u>4,869.8</u>	<u>38,465.6</u>
13. Reactor Reserve Shutdown Hours:	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line:	<u>160.6</u>	<u>4,765.9</u>	<u>37,542.0</u>
15. Unit Reserve Shutdown Hours:	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH):	<u>406,572</u>	<u>10,487,978</u>	<u>88,535,383</u>
17. Gross Electrical Energy Generated (MWH):	<u>139,460</u>	<u>3,560,110</u>	<u>30,074,466</u>
18. Net Electrical Energy Generated (MWH):	<u>130,382</u>	<u>3,366,657</u>	<u>28,530,415</u>
19. Unit Service Factor:	<u>22.3</u>	<u>59.3</u>	<u>68.8</u>
20. Unit Availability Factor:	<u>22.3</u>	<u>59.3</u>	<u>68.8</u>
21. Unit Capacity Factor (Using MDC Net):	<u>21.1</u>	<u>48.7</u>	<u>60.5</u>
22. Unit Capacity Factor (Using DER Net):	<u>20.4</u>	<u>47.3</u>	<u>59.0</u>
23. Unit Forced Outage Rate:	<u>0.0</u>	<u>2.3</u>	<u>18.2</u>

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

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 5, 1980

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1980

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 12/15/80  
 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
4	80-11-07	S	559.40	D	1		ZZ	ZZZZZZ	Required modifications NUREG-578 and other maintenance.

1  
 T - 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

(9/11)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270

UNIT Oconee Unit 2

DATE 12/15/80

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH November, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	839
2	842
3	842
4	840
5	838
6	836
7	524
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	-
18	-
19	-
20	-
21	-
22	-
23	-
24	-
25	-
26	-
27	-
28	-
29	-
30	-
31	-

## 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

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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  
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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: December 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 12/15/80

# NARRATIVE SUMMARY

MONTH: November, 1980

Oconee 2 operated at near rated power during November until November 7 when it began an outage for NRC required modifications (NUREG-578). The unit should return to service in early December.

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 12/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: November, 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

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

### Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>8,040.0</u>	<u>52,248.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>6,388.1</u>	<u>38,281.9</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>6,298.5</u>	<u>37,360.1</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,742,125</u>	<u>15,788,821</u>	<u>90,170,427</u>
17. Gross Electrical Energy Generated (MWH)	<u>594,750</u>	<u>5,429,770</u>	<u>31,181,034</u>
18. Net Electrical Energy Generated (MWH)	<u>567,872</u>	<u>5,174,986</u>	<u>29,671,542</u>
19. Unit Service Factor	<u>100.0</u>	<u>78.3</u>	<u>71.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>78.3</u>	<u>71.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.7</u>	<u>74.8</u>	<u>65.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>89.0</u>	<u>72.7</u>	<u>64.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>10.8</u>	<u>17.0</u>

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

Refueling - December 5, 1980 - 13 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 November, 1980

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 12/15/80  
 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
12p	80-11-25	S	-	H	-		ZZ	ZZZZZZ	Power reduction to 96% to extend reactor core life. A further reduction to 55% power was made on 11/27 to extend reactor core life.

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

(P/11)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287  
 UNIT Oconee Unit 3  
 DATE 12/15/80  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH November, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>836</u>	17	<u>845</u>
2	<u>839</u>	18	<u>845</u>
3	<u>843</u>	19	<u>843</u>
4	<u>843</u>	20	<u>844</u>
5	<u>843</u>	21	<u>845</u>
6	<u>844</u>	22	<u>845</u>
7	<u>841</u>	23	<u>845</u>
8	<u>835</u>	24	<u>845</u>
9	<u>838</u>	25	<u>837</u>
10	<u>839</u>	26	<u>804</u>
11	<u>842</u>	27	<u>632</u>
12	<u>842</u>	28	<u>397</u>
13	<u>842</u>	29	<u>395</u>
14	<u>834</u>	30	<u>392</u>
15	<u>841</u>	31	<u>          </u>
16	<u>845</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, 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: August, 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: 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: December 15, 1980

Name of Contact: J. A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 12/15/80

### NARRATIVE SUMMARY

MONTH: November, 1980

Oconee 3 began November at near rated power. On November 25, power was reduced to 96% to extend the reactor core life. A further reduction to 55% power was made on November 27 to extend the core life and continued the remainder of the month.

OCONEE NUCLEAR STATION  
Operating Status Report

1. Personnel Exposure

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

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

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