

# OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 1/15/81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: December, 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>8,784.0</u>	<u>65,425.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>6,771.6</u>	<u>47,286.0</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>6,637.1</u>	<u>44,584.1</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,868,261</u>	<u>15,236,268</u>	<u>104,454,387</u>
17. Gross Electrical Energy Generated (MWH)	<u>663,830</u>	<u>5,387,530</u>	<u>36,301,830</u>
18. Net Electrical Energy Generated (MWH)	<u>634,403</u>	<u>5,116,510</u>	<u>34,348,009</u>
19. Unit Service Factor	<u>100.0</u>	<u>75.6</u>	<u>68.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>75.6</u>	<u>68.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.2</u>	<u>67.7</u>	<u>60.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.2</u>	<u>65.7</u>	<u>59.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>10.3</u>	<u>17.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</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	_____	_____

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(9/77)

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1980

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 1/15/81  
 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
13-p	80-12-19	F	-	A	-		HH	VALVEX	Reduced power to repack 1D2 heater drain pump discharge valve.
14-p	80-12-26	F	-	A	-		CB	HTEXCH	Suspected leak in the "A" steam generator. Reduced power to 90%.

<sup>1</sup>  
 F - 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 1/15/81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH December, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>873</u>	17	<u>875</u>
2	<u>872</u>	18	<u>874</u>
3	<u>872</u>	19	<u>774</u>
4	<u>873</u>	20	<u>841</u>
5	<u>872</u>	21	<u>867</u>
6	<u>867</u>	22	<u>869</u>
7	<u>867</u>	23	<u>874</u>
8	<u>856</u>	24	<u>875</u>
9	<u>873</u>	25	<u>873</u>
10	<u>873</u>	26	<u>806</u>
11	<u>873</u>	27	<u>796</u>
12	<u>873</u>	28	<u>796</u>
13	<u>873</u>	29	<u>792</u>
14	<u>873</u>	30	<u>790</u>
15	<u>874</u>	31	<u>790</u>
16	<u>874</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 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: 1312.  
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: January, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 1/15/81

### NARRATIVE SUMMARY

MONTH: December, 1980

Oconee 1 began the month of December at near rated power. Power was reduced on December 19 to repack the 1D2 heater drain pump discharge valve. On December 26, power was reduced to 90% due to a suspected tube leak in the "A" steam generator. The power remained at this level the remainder of the month with no increase in the leak rate.

# OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 1/15/81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: December, 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>8,784.0</u>	<u>55,345.0</u>
12. Number Of Hours Reactor Was Critical	<u>639.2</u>	<u>5,509.0</u>	<u>39,104.9</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>633.7</u>	<u>5,399.6</u>	<u>38,175.7</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,560,732</u>	<u>12,048,710</u>	<u>90,096,115</u>
17. Gross Electrical Energy Generated (MWH)	<u>537,770</u>	<u>4,097,880</u>	<u>30,612,236</u>
18. Net Electrical Energy Generated (MWH)	<u>512,151</u>	<u>3,878,808</u>	<u>29,042,566</u>
19. Unit Service Factor	<u>85.2</u>	<u>61.5</u>	<u>69.0</u>
20. Unit Availability Factor	<u>85.2</u>	<u>61.5</u>	<u>69.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>80.0</u>	<u>51.4</u>	<u>60.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>77.7</u>	<u>49.8</u>	<u>59.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>2.0</u>	<u>17.9</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</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	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1980

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 1/15/81  
 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	80-12-01	S	110.28	D	-		ZZ	ZZZZZZ	Required modifications. NUREG-578 and other maintenance.
18-p	80-12-06	F	-	A	-		HH	INSTRU	Holding power at 90%. Problems with the 2D2 HDP controller causing feedwater swing.
19-p	80-12-06	F	-	A	-		CH	INSTRU	Holding at 92% power due to control problems on the 2A1 feedwater heater.
20-p	80-12-20	F	-	D	-		SF	MOTORX	2B HPI pump out of service for more than 72 hours. Power reduced to 59% per tech spec.
21-p	80-12-28	F	-	A	-		CB	PUMPXX	Reduced power due to fluctuations in 2B2 RCP seal pressures.

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

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270  
 UNIT Oconee Unit 2  
 DATE 1/15/81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH December, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-
2	-
3	-
4	-
5	101
6	703
7	838
8	843
9	845
10	846
11	845
12	846
13	846
14	842
15	847
16	850

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	851
18	850
19	849
20	760
21	503
22	829
23	849
24	851
25	850
26	846
27	846
28	840
29	753
30	844
31	842

## 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: 1312  
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: January, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 1/15/81

### NARRATIVE SUMMARY

MONTH: December, 1980

Oconee 2 began the month of December in an outage for required modifications. It returned to service on December 5 and increased in power. Power was held at 90% for maintenance to the 2D2 HDP controller. A hold at 92% power was necessary to correct a control problem on the 2A1 feedwater heater. The unit reached near rated power on December 6 at 2340.

On December 17 at 1330, the 2B HPI pump was declared inoperable due to the motor upper bearing temperature being high. Power was reduced on December 20 to less than 60% per tech. spec. after 72 hours operation with only two (2) HPI pumps operable. The 2B HPI pump was declared operable and power was increased on December 21.

An erratic fluctuation of pressure on the 2B2 RCP seals on December 28 resulted in a power reduction until the problem was evaluated. Returned to near rated power on December 29 and continued the remainder of the month.

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 1/15/81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: December, 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>8,784.0</u>	<u>52,992.0</u>
12. Number Of Hours Reactor Was Critical	<u>121.2</u>	<u>6,509.2</u>	<u>38,403.1</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>118.9</u>	<u>6,417.4</u>	<u>37,479.0</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>133,914</u>	<u>15,922,735</u>	<u>90,304,341</u>
17. Gross Electrical Energy Generated (MWH)	<u>50,180</u>	<u>5,479,950</u>	<u>31,231,214</u>
18. Net Electrical Energy Generated (MWH)	<u>42,853</u>	<u>5,217,839</u>	<u>29,714,395</u>
19. Unit Service Factor	<u>16.0</u>	<u>73.1</u>	<u>70.7</u>
20. Unit Availability Factor	<u>16.0</u>	<u>73.1</u>	<u>70.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>6.7</u>	<u>69.1</u>	<u>64.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>6.5</u>	<u>67.0</u>	<u>63.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>10.7</u>	<u>16.9</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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1980

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 1/15/81  
 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	80-12-01	S	-	H	-		ZZ	ZZZZZZ	Holding at 55% power to extend core life.
8	80-12-05	S	625.12	C	1		RC	FUELXX	Scheduled refueling and planned maintenance.

<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

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287

UNIT Unit 3

DATE 1/15/81

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH December, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>391</u>
2	<u>391</u>
3	<u>391</u>
4	<u>391</u>
5	<u>353</u>
6	<u>-</u>
7	<u>-</u>
8	<u>-</u>
9	<u>-</u>
10	<u>-</u>
11	<u>-</u>
12	<u>-</u>
13	<u>-</u>
14	<u>-</u>
15	<u>-</u>
16	<u>-</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>-</u>
18	<u>-</u>
19	<u>-</u>
20	<u>-</u>
21	<u>-</u>
22	<u>-</u>
23	<u>-</u>
24	<u>-</u>
25	<u>-</u>
26	<u>-</u>
27	<u>-</u>
28	<u>-</u>
29	<u>-</u>
30	<u>-</u>
31	<u>-</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: 463

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: January 15, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 1/15/81

### NARRATIVE SUMMARY

MONTH: December, 1980

Oconee 3 began the month of December at 55% power to extend core life. The unit was shut down on December 5 to begin a scheduled refueling outage which continued the complete month.

OCONEE NUCLEAR STATION  
Operating Status Report

1. Personnel Exposure

For the month of November, 1 individual(s) exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.270 rem, which represents approximately 10.6% of that person's allowable annual limit.

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

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