

# OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 03-13-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: February, 1981
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	672.0	1 416.0	66 841.0
12. Number Of Hours Reactor Was Critical	179.7	921.4	48 207.4
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	170.9	897.1	45 481.2
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	359 599	1 986 999	106 441 386
17. Gross Electrical Energy Generated (MWH)	127 750	706 280	37 008 110
18. Net Electrical Energy Generated (MWH)	116 979	666 945	35 014 954
19. Unit Service Factor	25.4	63.4	68.0
20. Unit Availability Factor	25.4	63.4	68.1
21. Unit Capacity Factor (Using MDC Net)	20.2	54.8	60.7
22. Unit Capacity Factor (Using DER Net)	19.7	53.2	59.1
23. Unit Forced Outage Rate	74.6	36.7	17.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - July 12, 15 weeks</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: March 4, 1981
  26. Units In Test Status (Prior to Commercial Operation):
- |                      | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY  | _____    | _____    |
| INITIAL ELECTRICITY  | _____    | _____    |
| COMMERCIAL OPERATION | _____    | _____    |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1981DOCKET NO. 50-269UNIT NAME Oconee Unit 1DATE 03-13-81COMPLETED BY J. A. ReavisTELEPHONE 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
1-P	81-02-01	F	-	A			CB	HTEXCH	Power reduction due to steam generator "A" tube leak.
3	81-02-02	F	6.67	A			HA	INSTRU	Loss of generator excitation caused unit trip.
2-P	81-02-02	F	-	A			CB	HTEXCH	Power reduction due to steam generator "A" tube leak.
4	81-02-08	F	367.73	A	1		CB	HTEXCH	Outage to repair "A" steam generator tube leak.
4a	81-02-23	F	126.75	A			SF	VALUEX	Outage extended due to valve (CF-12) core flood check valve leakage by seat. Cool down to repair.

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

CP/TT)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269  
UNIT Oconee Unit 1  
DATE 03-13-81  
COMPLETED BY J. A. Reavis  
TELEPHONE (704) 373-8552

MONTH February, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	740
2	471
3	677
4	738
5	737
6	737
7	738
8	200
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 1
2. Scheduled next refueling shutdown: July, 1981
3. Scheduled restart following refueling: September, 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: March 13, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 03-13-81

#### NARRATIVE SUMMARY

MONTH: February, 1981 -

Oconee 1 began the month of February at 85% power due to an OTSG "A" tube leak.

On February 2 the loss of generator excitation resulted in a unit trip. It was returned to service the same day and increased in power to 85%.

The unit was removed from service on February 8 to repair the "A" steam generator tube leak. Repair was completed and heatup began on February 22.

During heatup, the LP injection check valve (CF-12) did not pass the leak test. Cool down was necessary to repair the valve, and that continued the remainder of the month.

# OPERATING DATA REPORT

DOCKET NO 50-270  
DATE 03-13-81  
COMPLETED BY J. A. Reavis  
TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: February, 1981
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>672.0</u>	<u>1 416.0</u>	<u>56 761.0</u>
12. Number Of Hours Reactor Was Critical	<u>667.9</u>	<u>1 411.9</u>	<u>40 516.7</u>
13. Reactor Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>640.2</u>	<u>1 384.2</u>	<u>39 559.9</u>
15. Unit Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 174 350</u>	<u>3 064 577</u>	<u>93 160 692</u>
17. Gross Electrical Energy Generated (MWH)	<u>407 280</u>	<u>1 058 520</u>	<u>31 670 756</u>
18. Net Electrical Energy Generated (MWH)	<u>389 065</u>	<u>1 012 975</u>	<u>30 055 541</u>
19. Unit Service Factor	<u>95.3</u>	<u>97.8</u>	<u>69.7</u>
20. Unit Availability Factor	<u>95.3</u>	<u>97.8</u>	<u>69.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>67.3</u>	<u>83.2</u>	<u>61.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>65.4</u>	<u>80.7</u>	<u>59.8</u>
23. Unit Forced Outage Rate	<u>4.7</u>	<u>2.2</u>	<u>17.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Work on Reactor Coolant Pump Bearing - 03-13-81 - 10 Days

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 February, 1981

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 03-13-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-8552

No.	Date	Type	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
2-P	81-02-01	F	-	A			CB	MOTORX	Power reduced due to 2B1 being out of service.
1	81-02-01	F	23.85	A	1		CB	MOTORX	Unit off to investigate 2B1 RCP motor bearing problem: Decision to bring unit back on leaving 2B1 RCP out of service.
3-P	81-02-03	F	-	A			CB	MOTORX	Power reduced due to 2B1 RCP being out of service.
4-P	81-02-11	F	-	A			SC	PENETR	Further reduction to investigate electrical penetration (EMU-2).
2	81-02-11	F	7.93	A	1		CB	RELAYX	Unit tripped while placing 2A1 RCP in service. Indicated low power.
5-P	81-02-12	F	-	A			CB	MOTORX	Power reduced due to 2B1 RCP being out of service.

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. 50-270

UNIT Oconee Unit 2

DATE 03-13-81

COMPLETED BY J. A. Reavis

TELEPHONE (704)373-8552

MONTH February, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>162</u>
2	<u>125</u>
3	<u>602</u>
4	<u>633</u>
5	<u>633</u>
6	<u>630</u>
7	<u>629</u>
8	<u>628</u>
9	<u>627</u>
10	<u>629</u>
11	<u>509</u>
12	<u>414</u>
13	<u>626</u>
14	<u>627</u>
15	<u>628</u>
16	<u>630</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>627</u>
18	<u>625</u>
19	<u>622</u>
20	<u>623</u>
21	<u>625</u>
22	<u>624</u>
23	<u>625</u>
24	<u>624</u>
25	<u>622</u>
26	<u>620</u>
27	<u>619</u>
28	<u>623</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 2
2. Scheduled next refueling shutdown: October, 1981
3. Scheduled restart following refueling: December, 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).

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: March 13, 1981

Name of Contact: J. A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 03-13-81

#### NARRATIVE SUMMARY

MONTH: February, 1981

Oconee 2 began the month holding at 45% power in a shutdown to investigate the 2B1 RCP motor bearing problem. The unit was off line at 1539 on February 1.

Because of system load demand the unit was returned to service on February 2, leaving the 2B1 RCP out of service. The unit ran at 73% power with the pump out of service the remainder of the month.

A unit trip occurred on February 11 after reducing power further to remove 2A1 RCP from service to check an electrical penetration problem. The pump was being placed back in service when a low power indication caused the unit trip. It was returned to service early on February 12 and increased in power to the 73% level.

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 03-13-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: February, 1981
3. Licensed Thermal Power (MWt): 2,568
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	672.0	1 416.0	54 408.0
12. Number Of Hours Reactor Was Critical	0.0	0.0	38 403.1
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	0.0	0.0	37 479.0
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	0	0	90 304 341
17. Gross Electrical Energy Generated (MWH)	0	0	31 231 214
18. Net Electrical Energy Generated (MWH)	(2 375)	(4 404)	29 709 991
19. Unit Service Factor	0.0	0.0	68.9
20. Unit Availability Factor	0.0	0.0	68.9
21. Unit Capacity Factor (Using MDC Net)	0.0	0.0	63.2
22. Unit Capacity Factor (Using DER Net)	0.0	0.0	61.6
23. Unit Forced Outage Rate	0.0	0.0	16.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Presently Refueling</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 February, 1981

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 03-13-81  
 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
1a	81-02-01	S	56.00	D			ZZ	ZZZZZZ	NRC required modification's continued. (NSM 819C and others.)
1b	81-02-08	S	616.00	C			RC	FUELXX	Scheduled refueling/planned maintenance continues.

<sup>1</sup>  
 I - 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. 50-287

UNIT Oconee Unit 3

DATE 03-13-81

COMPLETED BY \_\_\_\_\_

TELEPHONE \_\_\_\_\_

MONTH February, 1981

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
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 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, 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: 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: March 13, 1981

Name of Contact: J. A. Reavis

# OCONEE NUCLEAR STATION

## Operating Status Report

### 1. Personnel Exposure

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

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

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

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 03-13-81

# NARRATIVE SUMMARY

MONTH: February, 1981

Oconee 3 remained in an outage for refueling and required NRC modifications the complete month of February.