

# OPERATING DATA REPORT

DOCKET NO. 50-269  
DATE 01-13-84  
COMPLETED BY J. A. Reavis  
TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: Oconee No. 1
2. Reporting Period: December 1, 1983-December 31, 1983
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	8 760.0	91 705.0
12. Number Of Hours Reactor Was Critical	744.0	6 873.6	64 540.6
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	744.0	6 806.4	61 389.4
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1 899 096	17 178 345	146 298 032
17. Gross Electrical Energy Generated (MWH)	666 290	5 950 320	50 868 230
18. Net Electrical Energy Generated (MWH)	636 956	5 668 625	48 165 551
19. Unit Service Factor	100.0	77.7	66.9
20. Unit Availability Factor	100.0	77.7	67.0
21. Unit Capacity Factor (Using MDC Net)	99.6	75.3	60.9
22. Unit Capacity Factor (Using DER Net)	96.6	73.0	59.3
23. Unit Forced Outage Rate	0.0	0.9	17.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

IE245

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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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269  
 UNIT Oconee 1  
 DATE 01-13-84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH December, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>855</u>
2	<u>856</u>
3	<u>856</u>
4	<u>852</u>
5	<u>853</u>
6	<u>853</u>
7	<u>854</u>
8	<u>856</u>
9	<u>856</u>
10	<u>854</u>
11	<u>857</u>
12	<u>856</u>
13	<u>856</u>
14	<u>856</u>
15	<u>856</u>
16	<u>854</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>852</u>
18	<u>862</u>
19	<u>862</u>
20	<u>862</u>
21	<u>862</u>
22	<u>861</u>
23	<u>816</u>
24	<u>850</u>
25	<u>861</u>
26	<u>863</u>
27	<u>862</u>
28	<u>862</u>
29	<u>862</u>
30	<u>862</u>
31	<u>862</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1983

DOCKET NO. 50-269  
 UNIT NAME Oconee 1  
 DATE 01/13/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704/373-7567

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
15-p	83-12-16	S	--	B	-		CC	VALVEX	Turbine valve movement test.
16-p	83-12-23	F	--	A	-		HH	VALVEX	Repair heater drain dump valve.

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

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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 (NURIG-  
 0161)

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

(9/77)

DOCKET NO: 50-269

UNIT: Oconee 1

DATE: 01/13/84

#### NARRATIVE SUMMARY

Month: December, 1983

Oconee Unit 1 operated the entire month without major problems. Power output was reduced twice during the month for turbine valve testing and repairs to a feedwater heater drain dump valve.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: February 1985
3. Scheduled restart following refueling: April 1985
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? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
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: 1123\*
  8. Present licensed fuel pool capacity: 1312.  
Size of requested or planned increase: \_\_\_\_\_
  9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_

DUKE POWER COMPANY

Date: January 13, 1984

Name of Contact: J. A. Reavis

Phone: 704-373-7567

\*Represents the combined total for Units 1 and 2.



# OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 01-13-84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: Oconee No. 2
2. Reporting Period: December 1, 1983 - December 31, 1983
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	8 760.0	81 625.0
12. Number Of Hours Reactor Was Critical	600.8	6 399.8	57 313.5
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	570.2	6 349.7	56 160.2
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1 253 319	15 827 358	132 490 667
17. Gross Electrical Energy Generated (MWH)	429 940	5 392 710	45 104 856
18. Net Electrical Energy Generated (MWH)	406 028	5 141 134	42 811 569
19. Unit Service Factor	76.6	72.5	68.8
20. Unit Availability Factor	76.6	72.5	68.8
21. Unit Capacity Factor (Using MDC Net)	63.5	68.3	60.8
22. Unit Capacity Factor (Using DER Net)	61.6	66.2	59.2
23. Unit Forced Outage Rate	20.5	5.8	16.5
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	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270  
 UNIT Oconee 2  
 DATE 01-13-84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH December, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	251
9	193
10	282
11	301
12	472
13	623
14	636
15	674
16	825

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	853
18	854
19	854
20	854
21	848
22	854
23	854
24	853
25	853
26	853
27	853
28	853
29	852
30	853
31	853

## 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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1983

DOCKET NO. 50-270  
 UNIT NAME Oconee 2  
 DATE 01/13/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704/373-7567

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
6B	83-12-01	F	140.92	A	-		CB	PUMPXX	Replaced seals on A2 and B2 RCP's.
6C	83-12-06	S	26.62	B	-		RC	ZZZZZZ	Zero power physics testing.
13-p	83-12-08	F	--	A	-		CH	VALVEX	2B FDW control valve sticking.
7	83-12-09	F	6.27	H	3		EB	INSTRU	Voltage spike on Channel C while I & E testing RPS caused trip.
14-p	83-12-10	S	--	B	-		RC	ZZZZZZ	Core physics testing.

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



DOCKET NO: 50-270

UNIT: Oconee 2

DATE: 01/13/84

#### NARRATIVE SUMMARY

Month: December, 1983

Oconee Unit 2 returned to service late December 7, 1983 following reactor coolant pump seal replacement and zero power physics testing. Power escalation was held up at 40% for about 15 hours due to a sticking feedwater control valve.

The unit tripped December 9th. when a voltage spike on Channel C of the reactor protection system occurred while I & E had another channel out for testing.

Core physics testing at various power levels also limited output through December 16th.

Oconee Unit 2 operated the remainder of the month without major problems.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2.
2. Scheduled next refueling shutdown: Unknown.
3. Scheduled restart following refueling: Unknown.
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? N/A.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A.
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: 1123\*.
8. Present licensed fuel pool capacity: 1312.  
Size of requested or planned increase: \_\_\_\_\_.
9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_.

DUKE POWER COMPANY

Date: January 13, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

\*Represents the combined total for Units 1 and 2

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 01-13-84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: Oconee No. 3
2. Reporting Period: December 1, 1983-December 31, 1983
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>8 760.0</u>	<u>79 272.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>8 488.7</u>	<u>56 709.9</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>8 439.4</u>	<u>55 582.6</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 911 029</u>	<u>21 443 503</u>	<u>135 492 564</u>
17. Gross Electrical Energy Generated (MWH)	<u>663 230</u>	<u>7 416 780</u>	<u>46 814 594</u>
18. Net Electrical Energy Generated (MWH)	<u>635 667</u>	<u>7 099 017</u>	<u>44 567 118</u>
19. Unit Service Factor	<u>100.0</u>	<u>96.3</u>	<u>70.1</u>
20. Unit Availability Factor	<u>100.0</u>	<u>96.3</u>	<u>70.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.4</u>	<u>94.2</u>	<u>65.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.4</u>	<u>91.5</u>	<u>63.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.5</u>	<u>15.2</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - March 1984 - 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	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287  
 UNIT Oconee 3  
 DATE 01-13-84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH December 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>856</u>
2	<u>857</u>
3	<u>857</u>
4	<u>856</u>
5	<u>857</u>
6	<u>857</u>
7	<u>856</u>
8	<u>856</u>
9	<u>857</u>
10	<u>819</u>
11	<u>837</u>
12	<u>857</u>
13	<u>857</u>
14	<u>857</u>
15	<u>856</u>
16	<u>856</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>856</u>
18	<u>856</u>
19	<u>856</u>
20	<u>857</u>
21	<u>856</u>
22	<u>855</u>
23	<u>856</u>
24	<u>856</u>
25	<u>855</u>
26	<u>857</u>
27	<u>855</u>
28	<u>854</u>
29	<u>856</u>
30	<u>856</u>
31	<u>857</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

50-287

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

Oconee 3  
01/13/84  
J. A. Reavis  
704/373-7567

REPORT MONTH December, 1983

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
16-p	83-12-10	S	--	B	-		CC	VALVEX	Turbine valve movement test.

- 1 F - Forced  
S - Scheduled
- 2 Reason:  
A-Equipment Failure (Explain)  
B-Maintenance of 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 (NURIG-  
0161)
- 5 Exhibit I - Same Source

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3.
2. Scheduled next refueling shutdown: April 1984.
3. Scheduled restart following refueling: June 1984.
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? N/A.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A.
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: 0.
8. Present licensed fuel pool capacity: 825.
- Size of requested or planned increase: \_\_\_\_\_.
9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_.

DUKE POWER COMPANY

Date: January 13, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567



DOCKET NO: 50-287

UNIT: Oconee 3

DATE: 01/13/84

NARRATIVE SUMMARY

Month: December, 1983

Oconee Unit 3 operated the entire month without major problems. Power output was reduced once to allow turbine valve testing.

OCONEE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of November, no individual(s) exceeded 10 percent of their allowable annual radiation dose 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 15,000 curies; the total release for November was less than 10 percent of this limit.

DUKE POWER COMPANY

P.O. BOX 33189  
CHARLOTTE, N.C. 28242

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

January 13, 1984

TELEPHONE  
(704) 373-4531

Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

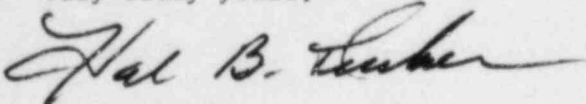
Attention: Document Control Desk

Re: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287

Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of December, 1983.

Very truly yours,



Hal B. Tucker

JAR:scs

Attachments

cc: Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Mr. Phil Ross  
U. S. Nuclear Regulatory Commission  
MNBB-5715  
Washington, D. C. 20555

Senior Resident Inspector  
Oconee Nuclear Station

Mr. J. F. Suermann, Project Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30339

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