



**Duke Power**  
526 South Church Street  
P.O. Box 1006  
Charlotte, NC 28201-1006

September 11, 2001

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Corporation  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Numbers 50-269, 50-270 and 50-287  
Monthly Performance and Operation Status-August, 2001

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of August, 2001.

Any questions or comments may be directed to Roger A. Williams at (704) 382-5346.

Sincerely,

Terry Dimmery, Manager  
Nuclear Business Support

Attachment  
XC:

L. A. Reyes, Regional Administrator  
USNRC, Region II

Dave LaBarge, Project Manager  
USNRC, ONRR

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L. E. Nicholson (ON03RC)  
RGC Site Licensing File  
ELL (EC050)

# Operating Data Report

Docket No.	<u>50-269</u>
Date	<u>September 11, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: August 1, 2001 - August 31, 2001
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): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**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): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

	This Month	YTD	Cumulative
11. Hours in Reporting Period	744.0	5831.0	246576.0
12. Number of Hours Reactor was Critical	744.0	5542.0	192839.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	5373.0	189432.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1906894	13729143	468061155
17. Gross Electrical Energy Generated (MWH)	657674	4770910	161816474
18. Net Electrical Energy Generated (MWH)	628077	4556108	153860079
19. Unit Service Factor	100.0	92.1	76.8
20. Unit Availability Factor	100.0	92.1	76.8
21. Unit Capacity Factor (Using MDC Net)	99.8	92.4	73.1
22. Unit Capacity Factor (Using DER Net)	95.3	88.2	70.4
23. Unit Forced Outage Rate	0.0	7.1	9.6
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown 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	_____	_____

NRC Calculated from Generator Nameplate Data:  
 1 037 937 KVA x 0.90 Pf=934 MW

### UNIT SHUTDOWNS

**DOCKET NO.** 50-269

**UNIT NAME:** Oconee 1

**DATE:** September 11, 2001

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** August, 2001

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**Summary:**

**(1) Reason**

- A - Equipment failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operator Error (Explain)
- H - Other (Explain)

**(2) Method**

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)



# Operating Data Report

Docket No. 50-270  
 Date September 11, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: August 1, 2001 - August 31, 2001
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): 886
7. Maximum Dependable Capacity(Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**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): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

	This Month	YTD	Cumulative
11. Hours in Reporting Period	744.0	5831.0	236496.0
12. Number of Hours Reactor was Critical	744.0	5045.1	190386.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	4978.3	187893.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1869298	26448138	477140274
17. Gross Electrical Energy Generated (MWH)	655250	4451572	159208436
18. Net Electrical Energy Generated (MWH)	626341	4257925	151689340
19. Unit Service Factor	100.0	85.4	79.4
20. Unit Availability Factor	100.0	85.4	79.4
21. Unit Capacity Factor (Using MDC Net)	99.5	86.3	75.1
22. Unit Capacity Factor (Using DER Net)	95.0	82.4	72.4
23. Unit Forced Outage Rate	0.0	0.0	9.1
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown 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	_____	_____

NRC Calculated from Generator Nameplate Data:  
 1 037 937 KVA x 0.90 Pf=934 MW

### UNIT SHUTDOWNS

**DOCKET NO.** 50-270

**UNIT NAME:** Oconee 2

**DATE:** September 11, 2001

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** August, 2001

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**Summary:**

**(1) Reason**

- |                                 |   |
|---------------------------------|---|
| A - Equipment failure (Explain) | E - Operator Training/License Examination |
| B - Maintenance or Test         | F - Administrative                        |
| C - Refueling                   | G - Operator Error (Explain)              |
| D - Regulatory restriction      | H - Other (Explain)                       |

**(2) Method**

- |                          |                       |
|--------------------------|-----------------------|
| 1 - Manual               | 2 - Manual Trip/Scram |
| 3 - Automatic Trip/Scram | 4 - Continuation      |
| 5 - Other (Explain)      |                       |





# Operating Data Report

Docket No. 50-287  
 Date September 11, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: August 1, 2001 - August 31, 2001
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): 886
7. Maximum Dependable Capacity(Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**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): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

	This Month	YTD	Cumulative
11. Hours in Reporting Period	744.0	5831.0	234143.0
12. Number of Hours Reactor was Critical	744.0	4271.4	184218.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	4243.6	181605.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1879776	37278113	480070036
17. Gross Electrical Energy Generated (MWH)	659523	3790398	156891285
18. Net Electrical Energy Generated (MWH)	630486	3620507	149660542
19. Unit Service Factor	100.0	72.8	77.6
20. Unit Availability Factor	100.0	72.8	77.6
21. Unit Capacity Factor (Using MDC Net)	100.2	73.4	74.9
22. Unit Capacity Factor (Using DER Net)	95.6	70.1	72.1
23. Unit Forced Outage Rate	0.0	0.0	9.4
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown 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	_____	_____

NRC Calculated from Generator Nameplate Data:  
 1 037 937 KVA x 0.90 Pf=934 MW

## UNIT SHUTDOWNS

DOCKET NO. 50-287UNIT NAME: Oconee 3DATE: September 11, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: August, 2001

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

## Summary:

**(1) Reason**

A - Equipment failure (Explain)

B - Maintenance or Test

C - Refueling

D - Regulatory restriction

E - Operator Training/License Examination

F - Administrative

G - Operator Error (Explain)

H - Other (Explain)

**(2) Method**

1 - Manual

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation



OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JULY 2001

1. Personnel Exposure -

The total station liquid release for JULY has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for JULY has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.