



Duke Power  
526 South Church Street  
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March 15, 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-February, 2001

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

Any questions or comments December 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

INPO Records Center

Ms. Margaret Aucoin  
Nuclear Assurance Corporation

Dottie Sherman, ANI Library  
American Nuclear Insurers

Oconee NRC Inspector

IE24

Document Control Desk  
U.S. NRC - Oconee

bxc:

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

# Operating Data Report

Docket No.	<u>50-269</u>
Date	<u>March 15, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: February 1, 2001 - February 28, 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.**

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

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

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	This Month	YTD	Cumulative
11. Hours in Reporting Period	672.0	1416.0	242161.0
12. Number of Hours Reactor was Critical	672.0	1127.0	188424.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	672.0	1022.8	185082.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1725696	2570054	456902066
17. Gross Electrical Energy Generated (MWH)	602633	890593	157936157
18. Net Electrical Energy Generated (MWH)	577897	845317	150149288
19. Unit Service Factor	100.0	72.2	76.4
20. Unit Availability Factor	100.0	72.2	76.4
21. Unit Capacity Factor (Using MDC Net)	101.7	70.6	72.6
22. Unit Capacity Factor (Using DER Net)	97.1	67.4	70.0
23. Unit Forced Outage Rate	0.0	25.1	9.8
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:** March 15, 2001  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 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)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: March 2002
3. Scheduled restart following refueling: May 2002

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 962\*  
(c) in the ISFSI: 1392\*\*\*\*
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 capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: March 15, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\* Represents the combined total for Units 1 and 2

\*\* On March 29, 1990, received a license for ISFSI which will store 2112 assemblies

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as-needed basis.

\*\*\*\* Represents the combined total for Units 1, 2, and 3

# Operating Data Report

Docket No.	<u>50-270</u>
Date	<u>March 15, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: February 1, 2001 - February 28, 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.**

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

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

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	This Month	YTD	Cumulative
11. Hours in Reporting Period	672.0	1416.0	232081.0
12. Number of Hours Reactor was Critical	672.0	1416.0	186757.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	672.0	1416.0	184331.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1725696	6204493	456896629
17. Gross Electrical Energy Generated (MWH)	606686	1279745	156036609
18. Net Electrical Energy Generated (MWH)	582456	1228592	148660007
19. Unit Service Factor	100.0	100.0	79.4
20. Unit Availability Factor	100.0	100.0	79.4
21. Unit Capacity Factor (Using MDC Net)	102.5	102.6	75.0
22. Unit Capacity Factor (Using DER Net)	97.8	97.9	72.3
23. Unit Forced Outage Rate	0.0	0.0	9.2
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:** March 15, 2001  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 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)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2
2. Scheduled next refueling shutdown: April, 2001
3. Scheduled restart following refueling: May, 2001

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 926\*  
   (c)     in the ISFSI: See unit 1 \*\*\*\*
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 capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: March 15, 2001

Name of Contact:           R. A. Williams

Phone: (704) - 382-5346

\* Represents the combined total for Units 1 and 2

\*\* See footnote on Unit 1

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1

# Operating Data Report

Docket No.	<u>50-287</u>
Date	<u>March 15, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: February 1, 2001 - February 28, 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.**

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

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

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	This Month	YTD	Cumulative
11. Hours in Reporting Period	672.0	1416.0	229728.0
12. Number of Hours Reactor was Critical	385.7	1129.7	181076.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	384.5	1128.5	178490.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	984879	9106127	451898050
17. Gross Electrical Energy Generated (MWH)	345883	1015807	154116694
18. Net Electrical Energy Generated (MWH)	329864	972848	147012883
19. Unit Service Factor	57.2	79.7	77.7
20. Unit Availability Factor	57.2	79.7	77.7
21. Unit Capacity Factor (Using MDC Net)	58.0	81.2	75.0
22. Unit Capacity Factor (Using DER Net)	55.4	77.5	72.2
23. Unit Forced Outage Rate	42.8	20.3	9.7
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: March 15, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: February, 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
1	02/17/01	F	55.47	A	1		REPAIR LEAKING PRESSURIZER CODE SAFETY RELIEF VALVE
2	02/19/01	F	232.00	A	4		OUTAGE DELAY DUE TO LEAKS FOUND ON REACTOR VESSEL HEAD CONTROL ROD DRIVE MECHANISM

**Summary:**

Oconee unit 3 began the month of February operating at or near 100% full power. The unit began decreasing power 02/16/01 at 2025 and was taken off line 02/17/01 at 0032 to repair leaking pressurizer code safety relief valve (3RC-68). On 02/19/01 at 0800 the outage was delayed due to leaks found on the reactor vessel head control rod drive mechanism. The unit was in the outage the remainder of the month.

**(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: October 2001
3. Scheduled restart following refueling: November 2001

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 552  
   (c)     in the ISFSI: See Unit 1 \*\*\*\*
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 capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: March 15, 2001

Name of Contact:           R. A. Williams

Phone: (704) - 382-5346

\*\* See footnote of Unit 1

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2001

1. Personnel Exposure -

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