



**Duke Power Company**  
A Duke Energy Company  
Energy Center  
P.O. Box 1006  
Charlotte, NC 28201-1006

June 13, 2002

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-May, 2002

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of May, 2002.

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

Sincerely,

*Terry Dimmery by David Pata*

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.	50-269
Date	June 13, 2002
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: May 1, 2002 - May 31, 2002
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	3623.0	253128.0
12. Number of Hours Reactor was Critical	744.0	2758.6	198472.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2720.3	194991.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1872996	6918807	482237747
17. Gross Electrical Energy Generated (MWH)	656450	2427583	166764355
18. Net Electrical Energy Generated (MWH)	628214	2319229	158585818
19. Unit Service Factor	100.0	75.1	77.0
20. Unit Availability Factor	100.0	75.1	77.0
21. Unit Capacity Factor (Using MDC Net)	99.8	75.7	73.4
22. Unit Capacity Factor (Using DER Net)	95.3	72.3	70.7
23. Unit Forced Outage Rate	0.0	0.6	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. 50-269UNIT NAME: Oconee 1DATE: June 13, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: May, 2002

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:**

The unit began the month of May operating at approximately 21% power at midnight and increasing power. The unit held at 26.6% power from 05/01/02 at 0013 to 0125 due to hotwell pump discharge pressure. The unit resumed power escalation, and held at 40% power from 0200 to 0227 due to power escalation testing. Problems with 1B feedwater pump turbine motor speed resulted in a hold at 59.2% power from 0630 to 2259. On 05/02/02 from 0153 to 0804 the unit held at 73% power to perform the power imbalance detector correlation test. The unit held at 90% power on 05/02/02 from 1120 to 1125 due to nuclear instrumentation calibration check. The unit returned to 100% full power on 05/02/02 at 1525 and operated at or near 100% full power the remainder of the month.

**(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)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: September 2003
3. Scheduled restart following refueling: November 2003

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: 1584\*\*\*\*
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: June 13, 2002

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>June 13, 2002</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: May 1, 2002 - May 31, 2002
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	744.0	3623.0	243048.0
12. Number of Hours Reactor was Critical	744.0	3623.0	196938.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3623.0	194385.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1909359	16223390	486967804
17. Gross Electrical Energy Generated (MWH)	670194	3264475	165009600
18. Net Electrical Energy Generated (MWH)	642381	3130478	157245682
19. Unit Service Factor	100.0	100.0	80.0
20. Unit Availability Factor	100.0	100.0	80.0
21. Unit Capacity Factor (Using MDC Net)	102.1	102.1	75.8
22. Unit Capacity Factor (Using DER Net)	97.5	97.5	73.0
23. Unit Forced Outage Rate	0.0	0.0	8.8
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.** 50-270

**UNIT NAME:** Oconee 2

**DATE:** June 13, 2002

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** May, 2002

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: October, 2002
3. Scheduled restart following refueling: November, 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: 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: June 13, 2002

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.	50-287
Date	June 13, 2002
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: May 1, 2002 - May 31, 2002
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	744.0	3623.0	240695.0
12. Number of Hours Reactor was Critical	744.0	3623.0	189980.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3623.0	187341.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1908127	25513182	484523073
17. Gross Electrical Energy Generated (MWH)	670642	3273306	162027217
18. Net Electrical Energy Generated (MWH)	642895	3139415	154573539
19. Unit Service Factor	100.0	100.0	77.8
20. Unit Availability Factor	100.0	100.0	77.8
21. Unit Capacity Factor (Using MDC Net)	102.1	102.4	75.2
22. Unit Capacity Factor (Using DER Net)	97.5	97.8	72.5
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.** 50-287

**UNIT NAME:** Oconee 3

**DATE:** June 13, 2002

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** May, 2002

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 3
- 2. Scheduled next refueling shutdown: April 2003
- 3. Scheduled restart following refueling: May 2003

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: 536  
   (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: June 13, 2002

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

APRIL 2002

1. Personnel Exposure -

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