

# Operating Data Report

Docket No. 50-269  
 Date June 14, 1999  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: May 1, 1999 - May 31, 1999
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	226824.0
12. Number of Hours Reactor was Critical	458.0	3337.0	175644.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	456.2	3335.2	172565.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1170392	8522474	425029078
17. Gross Electrical Energy Generated (MWH)	408187	2980719	146904479
18. Net Electrical Energy Generated (MWH)	388762	2851100	139635361
19. Unit Service Factor	61.3	92.1	76.1
20. Unit Availability Factor	61.3	92.1	76.1
21. Unit Capacity Factor (Using MDC Net)	61.8	93.0	72.0
22. Unit Capacity Factor (Using DER Net)	59.0	88.8	69.5
23. Unit Forced Outage Rate	0.0	0.0	10.0
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

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## UNIT SHUTDOWNS

DOCKET NO. 50-269UNIT NAME: Oconee 1DATE: June 14, 1999COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: May, 1999

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	05/20/99	S	287.83	C	1		END-OF-CYCLE 18 REFUELING OUTAGE

**Summary:**

The unit began the month of May operating at 100% full power. The unit operated at or near 100% full power until 05/19/99 at 2033 when the unit began decreasing power to begin end-of-cycle 18 refueling outage. On 05/20/99 at 0010 the unit was taken offline to begin end-of-cycle 18 refueling outage. The unit was in the refueling 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 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: July 1999

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: <u>177</u>
(b)	in the spent fuel pool: <u>998*</u>
(c)	in the ISFSI: <u>1056****</u>
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 license capacity: March 2013\*\*\*

DUKE POWER COMPANY

DATE: June 14, 1999

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

\*\*\* This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). 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.	50-270
Date	June 14, 1999
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

- |   |                            |
|---|----------------------------|
| 1. Unit Name:   | Oconee 2                   |
| 2. Reporting Period:  | May 1, 1999 - May 31, 1999 |
| 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	216744.0
12. Number of Hours Reactor was Critical	744.0	3504.3	172546.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3485.0	170241.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1909359	8905207	418305751
17. Gross Electrical Energy Generated (MWH)	670450	3126707	143493638
18. Net Electrical Energy Generated (MWH)	642259	2992674	136666972
19. Unit Service Factor	100.0	96.2	78.5
20. Unit Availability Factor	100.0	96.2	78.5
21. Unit Capacity Factor (Using MDC Net)	102.0	97.6	73.8
22. Unit Capacity Factor (Using DER Net)	97.4	93.2	71.2
23. Unit Forced Outage Rate	0.0	3.8	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. 50-270UNIT NAME: Oconee 2DATE: June 14, 1999COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: May, 1999

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
			No	Outages	for the Month		
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

## MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2
2. Scheduled next refueling shutdown: November 1999
3. Scheduled restart following refueling: December 1999

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: 998\*  
  (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 license capacity: October 2013\*\*\*

DUKE POWER COMPANY

DATE: June 14, 1999

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

- \* Represents the combined total for Units 1 and 2
- \*\* See footnote on Unit 1
- \*\*\* This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). Additional modules will be built on an as needed basis.
- \*\*\*\* See footnote on Unit 1

# ● Operating Data Report ●

Docket No.	50-287
Date	June 14, 1999
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: May 1, 1999 - May 31, 1999
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	214391.0
12. Number of Hours Reactor was Critical	700.8	3553.9	166915.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	695.3	3539.4	164494.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1765757	9015530	410043758
17. Gross Electrical Energy Generated (MWH)	618628	3172219	141689260
18. Net Electrical Energy Generated (MWH)	591089	3038823	135131474
19. Unit Service Factor	93.5	97.7	76.7
20. Unit Availability Factor	93.5	97.7	76.7
21. Unit Capacity Factor (Using MDC Net)	93.9	99.1	73.8
22. Unit Capacity Factor (Using DER Net)	89.7	94.7	71.1
23. Unit Forced Outage Rate	0.0	1.0	10.3
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: June 14, 1999COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: May, 1999

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
2	05/15/99	S	48.70	A	1		INVESTIGATE/REPAIR "3B2" REACTOR COOLANT PUMP LOW OIL LEVEL

**Summary:**

The unit began the month of May operating at 100% full power. The unit operated at or near 100% full power until 05/14/99 at 1002 when the unit decreased to 73% power and held from 1007 to 2059 due to main condenser vacuum decrease caused by isolation of "3C" condensate steam air ejector. On 05/14/99 at 2059 the unit decreased power to investigate and repair "3B2" reactor coolant pump low oil level. The unit was taken offline 05/15/99 at 0049 to investigate and repair "3B2" reactor pump low oil level. The unit was placed online 05/17/99 at 0131. During power escalation, the unit held 25% power from 0237 to 0253 and at 95% power from 0737 to 0747 due to nuclear instrumentation calibration checks. The unit returned to 100% full power on 05/17/99 at 0855 and operated at or near 100% full power 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: April 2000
3. Scheduled restart following refueling: May 2000

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: <u>177</u>
(b)	in the spent fuel pool: <u>612</u>
(c)	in the ISFSI: <u>See Unit 1 ****</u>
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 license capacity: July 2014\*\*\*

DUKE POWER COMPANY

DATE: June 14, 1999

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\*\* See footnote of Unit 1

\*\*\* This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). Additional modules will be built on an as needed basis.

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