



**Duke Power**  
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March 15, 2004

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

Subject: Duke Energy Corporation  
Oconee Nuclear Station, Docket Nos. 50-269, -270, -287  
McGuire Nuclear Station, Docket Nos. 50-369, -370  
Catawba Nuclear Station, Docket Nos. 50-413, -414  
Monthly Performance and Operation Status – February, 2004

Please find attached information concerning the performance and operation status of the Oconee, McGuire and Catawba Nuclear Stations for the month of February 2004.

Please direct any questions or comments to Roger A. Williams at (704) 382-5346.

Sincerely,

W. R. McCollum, Jr.  
Vice President, Duke Power  
Nuclear Support

FE24

U.S. Nuclear Regulatory Commission  
Monthly Performance and Operation Status  
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J. Brady, Senior Resident Inspector, McGuire Nuclear Station  
E. Guthrie, Senior Resident Inspector, Catawba Nuclear Station

# Operating Data Report

Docket No.	50-269
Date	<u>March 15, 2004</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, 2004 - February 29, 2004
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	696.0	1440.0	268465.0
12. Number of Hours Reactor was Critical	696.0	1329.6	211238.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1258.1	207606.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1784246	3109334	514033080
17. Gross Electrical Energy Generated (MWH)	627823	1081481	177830594
18. Net Electrical Energy Generated (MWH)	602516	1030461	169149486
19. Unit Service Factor	100.0	87.4	77.3
20. Unit Availability Factor	100.0	87.4	77.3
21. Unit Capacity Factor (Using MDC Net)	102.3	84.6	73.8
22. Unit Capacity Factor (Using DER Net)	97.7	80.8	71.1
23. Unit Forced Outage Rate	0.0	12.6	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.** 50-269

**UNIT NAME:** Oconee 1

**DATE:** March 15, 2004

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2004

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: April 2005
3. Scheduled restart following refueling: May 2005

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: 890\*  
(c) in the ISFSI: 1896\*\*\*\*
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, 2004

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 site specific license for ISFSI which will store 2112 assemblies (88 modules). Forty (40) site specific modules were constructed and loaded.

\*\*\* In 1999 Oconee transitioned to its general license. Forty-four (44) general license modules were installed and 30 modules have now been loaded.  
Additional modules will be installed 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, 2004</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, 2004 - February 29, 2004 |
| 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	696.0	1440.0	258385.0
12. Number of Hours Reactor was Critical	696.0	1440.0	211285.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1440.0	208706.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1741720	3653545	516698466
17. Gross Electrical Energy Generated (MWH)	627969	1303147	177853072
18. Net Electrical Energy Generated (MWH)	603162	1251712	169546750
19. Unit Service Factor	100.0	100.0	80.8
20. Unit Availability Factor	100.0	100.0	80.8
21. Unit Capacity Factor (Using MDC Net)	102.4	102.7	76.9
22. Unit Capacity Factor (Using DER Net)	97.8	98.1	74.1
23. Unit Forced Outage Rate	0.0	0.0	8.2
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, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2004

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: March, 2004
3. Scheduled restart following refueling: June, 2004

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: 890\*  
  (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, 2004

Name of Contact:       R. A. Williams

Phone: (704) - 382-5346

\* Represents the combined total for Units 1 and 2

\*\* See footnote on Unit 1

\*\*\* In 1999 Oconee transitioned to its general license. Forty-four (44) general license modules were installed and 30 modules have now been loaded. Additional modules will be installed on an as-needed basis.

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



# Operating Data Report

Docket No. 50-287  
 Date March 15, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 3  
 2. Reporting Period: February 1, 2004 - February 29, 2004  
 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	696.0	1440.0	256032.0
12. Number of Hours Reactor was Critical	661.3	1405.3	204024.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	641.4	1385.4	201259.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1643109	3552468	503728220
17. Gross Electrical Energy Generated (MWH)	575610	1246693	174403869
18. Net Electrical Energy Generated (MWH)	550782	1195266	166409943
19. Unit Service Factor	92.2	96.2	78.6
20. Unit Availability Factor	92.2	96.2	78.6
21. Unit Capacity Factor (Using MDC Net)	93.5	98.1	76.2
22. Unit Capacity Factor (Using DER Net)	89.3	93.7	73.4
23. Unit Forced Outage Rate	7.8	3.8	8.9
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, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: February, 2004

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	02/26/04	F	54.57	A	3		UNIT TRIPPED DUE TO FOREIGN MATERIAL LODGED IN A SERVO VALVE OF THE ELECTRO-HYDRAULIC CONTROL SYSTEM

**Summary:**

Oconee unit 3 began the month of February operating at approximately 100% full power. On 02/26/04 at 1151 a automatic reactor trip was initiated from 100% full power by a turbine trip initiated due to foreign material lodged in a servo valve of the electro-hydraulic control system. The unit was placed on-line 02/28/04 at 1825 holding at 18% power. During power escalation, the unit held at 26% power from 02/28/04 at 2020 to 2053 due to transition from unit start-up procedure to the operations at power procedure. On 02/29/04 from 0042 to 0100 the unit held at 90% power due to nuclear instrumentation calibration check. The unit returned to 100% full power on 02/29/04 at 0335 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: October 2004
- 3. Scheduled restart following refueling: January 2005

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: 476  
   (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, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\*\* See footnote of Unit 1

\*\*\* In 1999 Oconee transitioned to its general license. Forty-four (44) general license modules were installed and 30 modules have now been loaded. Additional modules will be installed on an as-needed basis.

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

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2004

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.

# Operating Data Report

Docket No. 50-369  
 Date March 15, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

- 1. Unit Name: McGuire 1
- 2. Reporting Period: February 1, 2004 - February 29, 2004
- 3. Licensed Thermal Power (MWt): 3411
- 4. Nameplate Rating (Gross MWe): 1305 \*
- 5. Design Electrical Rating (Net Mwe): 1180
- 6. Maximum Dependable Capacity (Gross MWe): 1144
- 7. Maximum Dependable Capacity(Net MWe): 1100
- 8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**Notes: \*Nameplate Rating (GrossMWe) calculated as 1450.000 MVA \* .90 power factor per Page iii, NUREG-0020.**

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	696.0	1440.0	195024.0
12. Number of Hours Reactor was Critical	696.0	1440.0	153225.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1440.0	151924.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2374392	4910259	491555071
17. Gross Electrical Energy Generated (MWH)	832871	1723473	169507668
18. Net Electrical Energy Generated (MWH)	804763	1665253	162493564
19. Unit Service Factor	100.0	100.0	77.9
20. Unit Availability Factor	100.0	100.0	77.9
21. Unit Capacity Factor (Using MDC Net)	105.1	105.1	73.6
22. Unit Capacity Factor (Using DER Net)	98.0	98.0	70.6
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	_____	_____

### UNIT SHUTDOWNS

**DOCKET NO.** 50-369  
**UNIT NAME:** McGuire 1  
**DATE:** March 15, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2004

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: McGuire Unit 1
2. Scheduled next refueling shutdown: March 2004
3. Scheduled restart following refueling: April 2004

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: 193  
(b) in the spent fuel pool: 1011
8. Present licensed fuel pool capacity: 1463  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity: November 2005

DUKE POWER COMPANY

DATE: March 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No.	<u>50-370</u>
Date	<u>March 15, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: February 1, 2004 - February 29, 2004
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305 \*
5. Design Electrical Rating (Net Mwe): 1180
6. Maximum Dependable Capacity (Gross MWe): 1144
7. Maximum Dependable Capacity (Net MWe): 1100
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: \*Nameplate Rating (Gross MWe) calculated as 1450.000 MVA \* .90 power factor per Page iii, NUREG-0020.

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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	696.0	1440.0	175320.0
12. Number of Hours Reactor was Critical	696.0	1440.0	145280.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1440.0	143997.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2370215	4905088	476106962
17. Gross Electrical Energy Generated (MWH)	831903	1722039	165648476
18. Net Electrical Energy Generated (MWH)	803401	1663117	159073719
19. Unit Service Factor	100.0	100.0	82.1
20. Unit Availability Factor	100.0	100.0	82.1
21. Unit Capacity Factor (Using MDC Net)	104.9	105.0	80.5
22. Unit Capacity Factor (Using DER Net)	97.8	97.9	76.9
23. Unit Forced Outage Rate	0.0	0.0	5.2
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	_____	_____



### UNIT SHUTDOWNS

**DOCKET NO.** 50-370  
**UNIT NAME:** McGuire 2  
**DATE:** March 15, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2004

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: McGuire Unit 2
2. Scheduled next refueling shutdown: March 2005
3. Scheduled restart following refueling: April 2005

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>193</u>
(b)	in the spent fuel pool: <u>1138</u>
(c)	in the ISFSI: <u>320</u>
8. Present licensed fuel pool capacity: 1463  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:  
June 2003

DUKE POWER COMPANY

DATE: March 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2004

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.

# Operating Data Report

Docket No. 50-413  
 Date March 15, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 1  
 2. Reporting Period: February 1, 2004 - February 29, 2004  
 3. Licensed Thermal Power (MWt): 3411  
 4. Nameplate Rating (Gross MWe): 1305 \*  
 5. Design Electrical Rating (Net Mwe): 1145  
 6. Maximum Dependable Capacity (Gross MWe): 1192  
 7. Maximum Dependable Capacity(Net MWe): 1129  
 8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: \*Nameplate Rating (GrossMWe) calculated as 1450.000 MVA \* .90 power factor per Page iii, NUREG-0020.

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	696.0	1440.0	163681.0
12. Number of Hours Reactor was Critical	586.1	1330.1	135919.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	582.0	1324.6	134085.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1798001	4241904	443434070
17. Gross Electrical Energy Generated (MWH)	644116	1520335	157420768
18. Net Electrical Energy Generated (MWH)	604781	1436795	148512401
19. Unit Service Factor	83.6	92.0	81.9
20. Unit Availability Factor	83.6	92.0	81.9
21. Unit Capacity Factor (Using MDC Net)	77.0	88.4	80.2
22. Unit Capacity Factor (Using DER Net)	75.9	87.1	79.2
23. Unit Forced Outage Rate	16.4	7.9	5.7
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	_____	_____

## UNIT SHUTDOWNS

DOCKET NO. 50-413UNIT NAME: Catawba 1DATE: March 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: February, 2004

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	02/22/04	F	114.02	A	2		1B STEAM GENERATOR MAIN FEEDWATER ISOLATION VALVE (1CF42) CLOSURE

**Summary:**

Catawba unit 1 began the month of February operating at approximately 100% full power. On 02/22/04 at 1729 a manual reactor trip was initiated from 100% full power due to spurious closure of 1B steam generator main feedwater isolation valve (1CF42). The unit was placed on-line 02/27/04 at 1130 holding at 11% power. During power escalations, the unit held at 16% power from 02/27/04 at 1302 to the end of the month pending main feedwater nozzle swaps. The unit ended the month holding at 16% power.

**(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: Catawba Unit 1
2. Scheduled next refueling shutdown: May 2005
3. Scheduled restart following refueling: June 2005

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: 193  
   (b)     in the spent fuel pool: 1021
8. Present licensed fuel pool capacity: 1418  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:  
November 2009

DUKE POWER COMPANY

DATE: March 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No. 50-414  
 Date March 15, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 2  
 2. Reporting Period: February 1, 2004 - February 29, 2004  
 3. Licensed Thermal Power (MWt): 3411  
 4. Nameplate Rating (Gross MWe): 1305 \*  
 5. Design Electrical Rating (Net Mwe): 1145  
 6. Maximum Dependable Capacity (Gross MWe): 1192  
 7. Maximum Dependable Capacity(Net MWe): 1129  
 8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**Notes: \*Nameplate Rating (GrossMWe) calculated as 1450.000 MVA \* .90 power factor per Page iii, NUREG-0020.**

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	696.0	1440.0	153697.0
12. Number of Hours Reactor was Critical	696.0	1440.0	129393.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1440.0	127937.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2369112	4902965	421257634
17. Gross Electrical Energy Generated (MWH)	855289	1770608	150231882
18. Net Electrical Energy Generated (MWH)	814031	1684752	141987732
19. Unit Service Factor	100.0	100.0	83.2
20. Unit Availability Factor	100.0	100.0	83.2
21. Unit Capacity Factor (Using MDC Net)	103.6	103.6	81.7
22. Unit Capacity Factor (Using DER Net)	102.1	102.2	80.7
23. Unit Forced Outage Rate	0.0	0.0	6.4
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	_____	_____

### UNIT SHUTDOWNS

**DOCKET NO.** 50-414  
**UNIT NAME:** Catawba 2  
**DATE:** March 15, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2004

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: Catawba Unit 2
2. Scheduled next refueling shutdown: September 2004
3. Scheduled restart following refueling: October 2004

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: 193  
   (b)     in the spent fuel pool: 917
8. Present licensed fuel pool capacity: 1418  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:  
May 2012

DUKE POWER COMPANY

DATE: March 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2004

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.