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April 14, 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 – March, 2004

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

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

Sincerely,

H. B. Barron

IE24

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bx: R. L. Gill – EC05P  
B. G. Davenport - ON03RC  
C. J. Thomas - MG01RC  
L. A. Keller – CN01RC  
R. A. Williams - ECO5Z (2 copies)  
L. B. Jones – EC05O  
Catawba Date File - CN01RC (Attn: Jill Ferguson)  
North Carolina Municipal Power  
Piedmont Municipal Power Agency  
North Carolina Electric Membership Corp.  
Saluda River Electric  
Catawba File 801.01 - CN04DM  
McGuire File 801.01 - MG01DM  
Oconee File 801.01 - ON03DM  
ELL - EC05O

# Operating Data Report

Docket No. 50-269  
 Date April 13, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 1  
 2. Reporting Period: March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 269209.0   |
| 12. Number of Hours Reactor was Critical                                    | 744.0      | 2073.6  | 211982.8   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 744.0      | 2002.1  | 208350.2   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1901347    | 5010681 | 515934427  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 667952     | 1749433 | 178498546  |
| 18. Net Electrical Energy Generated (MWH)                                   | 640808     | 1671269 | 169790294  |
| 19. Unit Service Factor   | 100.0      | 91.7    | 77.4       |
| 20. Unit Availability Factor  | 100.0      | 91.7    | 77.4       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 101.8      | 90.5    | 73.9       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 97.2       | 86.4    | 71.2       |
| 23. Unit Forced Outage Rate   | 0.0        | 8.3     | 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:** April 13, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** March, 2004

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason     | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>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: 950\*  
(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: April 13, 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>April 13, 2004</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone    | <u>704-382-5346</u>   |

## Operating Status

- |   |                                |
|---|--------------------------------|
| 1. Unit Name:   | Oconee 2                       |
| 2. Reporting Period:  | March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 259129.0   |
| 12. Number of Hours Reactor was Critical                                    | 458.8      | 1898.8  | 211744.7   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 456.6      | 1896.6  | 209163.2   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1081642    | 4735187 | 517780108  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 372924     | 1676071 | 178225996  |
| 18. Net Electrical Energy Generated (MWH)                                   | 354573     | 1606285 | 169901323  |
| 19. Unit Service Factor   | 61.4       | 86.8    | 80.7       |
| 20. Unit Availability Factor  | 61.4       | 86.8    | 80.7       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 56.3       | 86.9    | 76.9       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 53.8       | 83.0    | 74.0       |
| 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. 50-270UNIT NAME: Oconee 2DATE: April 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 2004

| No. | Date:    | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>No. | Cause and Corrective Action to Prevent Recurrence                                    |
|-----|----------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|--|
| 1   | 03/20/04 | S                                   | 287.45            | C          | 1                             |                                 | END-OF-CYCLE 20 REFUELING AND STEAM GENERATOR/REACTOR VESSEL HEAD REPLACEMENT OUTAGE |

**Summary:**

Oconee unit 2 began the month of March operating at approximately 96.05% coasting down until 03/19/04 at 2000, when the unit began decreasing power to begin the end-of-cycle 20 refueling and steam generator/reactor vessel head replacement outage. The unit held at 18% power from 03/20/04 from 0031 to 0033 to begin the end-of-cycle 20 refueling and steam generator/reactor vessel head replacement outage. The unit was taken off-line on 03/20/04 at 0033 to begin the end-of-cycle 20 refueling and steam generator/reactor vessel head replacement outage. The unit remained in the end-of-cycle 16 refueling and steam generator/reactor vessel head replacement 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 2
2. Scheduled next refueling shutdown: Currently Refueling
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: 950\*  
(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: April 13, 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.   | <u>50-287</u>         |
| Date         | <u>April 13, 2004</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone    | <u>704-382-5346</u>   |

## Operating Status

- |   |                                |
|---|--------------------------------|
| 1. Unit Name:   | Oconee 3                       |
| 2. Reporting Period:  | March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 256776.0   |
| 12. Number of Hours Reactor was Critical                                    | 744.0      | 2149.3  | 204768.9   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 744.0      | 2129.4  | 202003.5   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1888405    | 5440873 | 505616625  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 663981     | 1910674 | 175067850  |
| 18. Net Electrical Energy Generated (MWH)                                   | 637418     | 1832684 | 167047361  |
| 19. Unit Service Factor   | 100.0      | 97.5    | 78.7       |
| 20. Unit Availability Factor  | 100.0      | 97.5    | 78.7       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 101.3      | 99.2    | 76.3       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 96.7       | 94.7    | 73.4       |
| 23. Unit Forced Outage Rate   | 0.0        | 2.5     | 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: April 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 2004

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>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 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: April 13, 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

FEBRUARY 2004

1. Personnel Exposure -

The total station liquid release for FEBRUARY 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 FEBRUARY 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.   | <u>50-369</u>         |
| Date         | <u>April 13, 2004</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone    | <u>704-382-5346</u>   |

## Operating Status

- |   |                                |
|---|--------------------------------|
| 1. Unit Name:   | McGuire 1                      |
| 2. Reporting Period:  | March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 195768.0   |
| 12. Number of Hours Reactor was Critical                                    | 125.2      | 1565.2  | 153350.7   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 125.2      | 1565.2  | 152049.7   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 415956     | 5326215 | 491971027  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 145542     | 1869015 | 169653210  |
| 18. Net Electrical Energy Generated (MWH)                                   | 136892     | 1802145 | 162630456  |
| 19. Unit Service Factor   | 16.8       | 71.7    | 77.7       |
| 20. Unit Availability Factor  | 16.8       | 71.7    | 77.7       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 16.7       | 75.0    | 73.4       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 15.6       | 69.9    | 70.4       |
| 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. 50-369UNIT NAME: McGuire 1DATE: April 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 2004

| No. | Date:    | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>No. | Cause and Corrective Action to Prevent Recurrence |
|-----|----------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---|
| 1   | 03/06/04 | S                                   | 618.83            | C          | 1                             |                                 | END-OF-CYCLE 16 REFUELING OUTAGE                  |

**Summary:**

McGuire unit 1 began the month of March operating at approximately 100% power until 03/05/04 at 2101 when the unit began decreasing to begin the end-of-cycle 16 refueling outage. The unit was taken off-line on 03/06/04 at 0510 to begin end-of-cycle 16 refueling outage. The unit remained in the end-of-cycle 16 refueling outage for 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: McGuire Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
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: 1091
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: April 13, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346



# Operating Data Report

Docket No. 50-370  
 Date April 13, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: McGuire 2  
 2. Reporting Period: March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 176064.0   |
| 12. Number of Hours Reactor was Critical                                    | 744.0      | 2184.0  | 146024.0   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 744.0      | 2184.0  | 144741.6   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 2535986    | 7441074 | 478642948  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 888937     | 2610976 | 166537413  |
| 18. Net Electrical Energy Generated (MWH)                                   | 857401     | 2520518 | 159931120  |
| 19. Unit Service Factor   | 100.0      | 100.0   | 82.2       |
| 20. Unit Availability Factor  | 100.0      | 100.0   | 82.2       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 104.8      | 104.9   | 80.6       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 97.7       | 97.8    | 77.0       |
| 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:** April 13, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** March, 2004

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason     | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>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: 193  
(b) in the spent fuel pool: 1138  
(c) in the ISFSI: 320
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: April 13, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

FEBRUARY 2004

1. Personnel Exposure -

The total station liquid release for FEBRUARY 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 FEBRUARY 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 April 13, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 1  
 2. Reporting Period: March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 164425.0   |
| 12. Number of Hours Reactor was Critical                                    | 744.0      | 2074.1  | 136663.5   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 744.0      | 2068.6  | 134829.1   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 2418554    | 6660458 | 445852624  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 866940     | 2387275 | 158287708  |
| 18. Net Electrical Energy Generated (MWH)                                   | 821863     | 2258658 | 149334264  |
| 19. Unit Service Factor   | 100.0      | 94.7    | 82.0       |
| 20. Unit Availability Factor  | 100.0      | 94.7    | 82.0       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 97.8       | 91.6    | 80.3       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 96.5       | 90.3    | 79.3       |
| 23. Unit Forced Outage Rate   | 0.0        | 5.2     | 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. 50-413**

**UNIT NAME: Catawba 1**

**DATE: April 13, 2004**

**COMPLETED BY: Roger Williams**

**TELEPHONE: 704-382-5346**

**REPORT MONTH: March, 2004**

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>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
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

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: April 13, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

|              |                       |
|--------------|-----------------------|
| Docket No.   | <u>50-414</u>         |
| Date         | <u>April 13, 2004</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone    | <u>704-382-5346</u>   |

## Operating Status

- |   |                                |
|---|--------------------------------|
| 1. Unit Name:   | Catawba 2                      |
| 2. Reporting Period:  | March 1, 2004 - March 31, 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   | 744.0      | 2184.0  | 154441.0   |
| 12. Number of Hours Reactor was Critical                                    | 744.0      | 2184.0  | 130137.5   |
| 13. Reactor Reserve Shutdown Hours  | 0.0        | 0.0     | 0.0        |
| 14. Hours Generator On-Line   | 744.0      | 2184.0  | 128681.8   |
| 15. Unit Reserve Shutdown Hours   | 0.0        | 0.0     | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 2533954    | 7436919 | 423791588  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 912920     | 2683528 | 151144802  |
| 18. Net Electrical Energy Generated (MWH)                                   | 868376     | 2553128 | 142856108  |
| 19. Unit Service Factor   | 100.0      | 100.0   | 83.3       |
| 20. Unit Availability Factor  | 100.0      | 100.0   | 83.3       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 103.4      | 103.5   | 81.8       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 101.9      | 102.1   | 80.8       |
| 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:** April 13, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** March, 2004

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason     | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>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)



CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

FEBRUARY 2004

1. Personnel Exposure -

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