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May 13, 2004

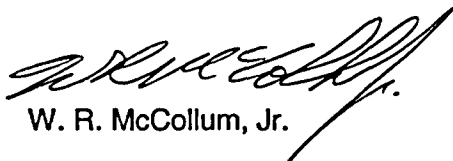
U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

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 – April, 2004

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

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

Sincerely,



W. R. McCollum, Jr.

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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  
Oconee File 801.01 - ON03DM  
McGuire File 801.01 - MG01DM  
Catawba File 801.01 - CN04DM  
ELL - EC05O

# Operating Data Report

Docket No.	<u>50-269</u>
Date	<u>May 13, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: April 1, 2004 - April 30, 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	719.0	2903.0	269928.0
12. Number of Hours Reactor was Critical	719.0	2792.6	212701.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2721.1	209069.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1845879	6856560	517780306
17. Gross Electrical Energy Generated (MWH)	647491	2396924	179146037
18. Net Electrical Energy Generated (MWH)	621257	2292526	170411551
19. Unit Service Factor	100.0	93.7	77.5
20. Unit Availability Factor	100.0	93.7	77.5
21. Unit Capacity Factor (Using MDC Net)	102.1	93.3	74.0
22. Unit Capacity Factor (Using DER Net)	97.5	89.1	71.3
23. Unit Forced Outage Rate	0.0	6.2	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:** May 13, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** April, 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: 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: May 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>May 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:  | April 1, 2004 - April 30, 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	719.0	2903.0	259848.0
12. Number of Hours Reactor was Critical	0.0	1898.8	211744.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	0.0	1896.6	209163.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0	4735187	517780108
17. Gross Electrical Energy Generated (MWH)	0	1676071	178225996
18. Net Electrical Energy Generated (MWH)	0	1604049	169899087
19. Unit Service Factor	0.0	65.3	80.5
20. Unit Availability Factor	0.0	65.3	80.5
21. Unit Capacity Factor (Using MDC Net)	0.0	65.3	76.6
22. Unit Capacity Factor (Using DER Net)	0.0	62.4	73.8
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:  
 $1\ 037\ 937\ \text{KVA} \times 0.90\ \text{Pf} = 934\ \text{MW}$

## UNIT SHUTDOWNS

DOCKET NO. 50-270UNIT NAME: Oconee 2DATE: May 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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	04/01/04	S	719.00	C	4		END-OF-CYCLE 20 REFUELING AND STEAM GENERATOR/REACTOR VESSEL HEAD REPLACEMENT OUTAGE

**Summary:**

Oconee unit 2 remained in the end-of-cycle 20 refueling and steam generator/reactor vessel head replacement outage during the month of April, 2004.

**(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: May 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>May 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: April 1, 2004 - April 30, 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	719.0	2903.0	257495.0
12. Number of Hours Reactor was Critical	719.0	2868.3	205487.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	705.1	2834.5	202708.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1789793	7230666	507406418
17. Gross Electrical Energy Generated (MWH)	627460	2538134	175695310
18. Net Electrical Energy Generated (MWH)	601706	2434390	167649067
19. Unit Service Factor	98.1	97.6	78.7
20. Unit Availability Factor	98.1	97.6	78.7
21. Unit Capacity Factor (Using MDC Net)	98.9	99.1	76.3
22. Unit Capacity Factor (Using DER Net)	94.5	94.6	73.5
23. Unit Forced Outage Rate	1.9	2.4	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. 50-287UNIT NAME: Oconee 3DATE: May 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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	04/24/04	F	13.95	A	--		BALANCE TURBINE DUE TO VIBRATION

**Summary:**

Oconee unit 3 began the month of April operating at approximately 100% power. On 04/23/04 at 2224 the unit began decreasing power to balance the turbine due to vibration and held at 25% power from 04/24/04 at 0326 to 0340 and at 15% power from 0413 to 0430 prior to being taken off-line 04/24/04 at 0430 to balance the turbine due to vibration. The unit was placed on-line 04/24/04 at 1827. During power escalation, the unit held at 55% power from 2344 to 04/25/04 at 0224 to investigate 3B feedwater pump motor speed changer problem. The unit held at 67% power from 0331 to 0334 prior to decreasing power to investigate problems with stator coolant. The unit held at 65% power from 0345 to 0523 to investigate problems with stator coolant. On 04/25/04 from 0617 to 0659 the unit held at 76% power due to shift turnover. The unit held at 90% power from 0813 to 0845 due to nuclear instrumentation calibration check. The unit returned to 100% full power on 04/25/04 at 1100 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  
 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: 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: May 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

MARCH 2004

1. Personnel Exposure -

The total station liquid release for MARCH 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 MARCH 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>May 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:  | April 1, 2004 - April 30, 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	719.0	2903.0	196487.0
12. Number of Hours Reactor was Critical	468.9	2034.0	153819.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	450.4	2015.5	152500.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1456430	6782645	493427457
17. Gross Electrical Energy Generated (MWH)	508167	2377182	170161377
18. Net Electrical Energy Generated (MWH)	483237	2285382	163113693
19. Unit Service Factor	62.6	69.4	77.6
20. Unit Availability Factor	62.6	69.4	77.6
21. Unit Capacity Factor (Using MDC Net)	61.1	71.6	73.3
22. Unit Capacity Factor (Using DER Net)	57.0	66.7	70.4
23. Unit Forced Outage Rate	22.6	6.1	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	_____	_____

## UNIT SHUTDOWNS

DOCKET NO. 50-369UNIT NAME: McGuire 1DATE: May 13, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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	04/01/04	S	62.90	C	4		END-OF-CYCLE 16 REFUELING OUTAGE
2	04/03/04	S	73.00	B	4		OUTAGE EXTENDED 3.04 DAYS DUE TO STEAM GENERATOR EDDY CURRENT TESTING DELAYS
3	04/06/04	F	42.00	A	4		OUTAGE DELAYED 1.75 DAYS DUE TO CONTAINMENT BUILDING CLEAN-UP
4	04/08/04	F	89.30	A	4		OUTAGE DELAYED 3.72 DAYS TO TROUBLESHOOT/REPAIR 1SM7 MAIN STEAM ISOLATION VALVE
5	04/12/04	S	1.43	B	--		TURBINE OVERSPEED TRIP TEST

**Summary:**

McGuire unit 1 began the month of April, 2004 in end-of-cycle 16 refueling outage. The refueling outage was delayed due to the following reasons; 3.04 days due to steam generator eddy current testing delays, 1.75 days due to containment building clean-up, 3.72 days to troubleshoot/repair 1SM7 main steam isolation valve. The refueling outage spanned 36.92 days. The unit was placed on-line 04/12/04 at 0412 and increased to approximately 15% power and held from 0504 to 0744 prior to decreasing power to perform the turbine overspeed test. The unit was taken off-line 04/12/04 at 0858 to perform the turbine overspeed trip test. The unit was placed on-line 04/12/04 at 1024. During power escalation, the unit held at 29% power from 1401 to 2025 due to flux mapping. On 04/13/04 the unit held at approximately 44% power from 0130 to 0223 to place 1B feedwater pump in header. During power escalation, the unit held from 1721 to 2159 at 78% power due to flux mapping. The unit held at 90% power on 04/14/04 from 0250 ( Cont'd )

**(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

## UNIT SHUTDOWNS

DOCKET NO. 50-369UNIT NAME: McGuire 1DATE: May 12, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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

**Summary:**

to 0749 due to thermal power output calculations and excore detector calibrations. The unit returned to 100% full power on 04/14/04 at 1140 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: McGuire Unit 1
- 2. Scheduled next refueling shutdown: September 2005
- 3. Scheduled restart following refueling: October 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: 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: May 13, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

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

## Operating Status

1. Unit Name: McGuire 2  
2. Reporting Period: April 1, 2004 - April 30, 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	719.0	2903.0	176783.0
12. Number of Hours Reactor was Critical	719.0	2903.0	146743.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2903.0	145460.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2449362	9890436	481092310
17. Gross Electrical Energy Generated (MWH)	853998	3464974	167391411
18. Net Electrical Energy Generated (MWH)	824514	3345032	160755634
19. Unit Service Factor	100.0	100.0	82.3
20. Unit Availability Factor	100.0	100.0	82.3
21. Unit Capacity Factor (Using MDC Net)	104.3	104.8	80.7
22. Unit Capacity Factor (Using DER Net)	97.2	97.6	77.1
23. Unit Forced Outage Rate	0.0	0.0	5.1
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:** May 13, 2004  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** April, 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: 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: May 13, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

MARCH 2004

1. Personnel Exposure -

The total station liquid release for MARCH 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 MARCH 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>50-413</u>
Date	<u>May 13, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

## Operating Status

- |   |                                |
|---|--------------------------------|
| 1. Unit Name:   | Catawba 1                      |
| 2. Reporting Period:  | April 1, 2004 - April 30, 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	719.0	2903.0	165144.0
12. Number of Hours Reactor was Critical	719.0	2793.1	137382.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2787.6	135548.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2452209	9112667	448304833
17. Gross Electrical Energy Generated (MWH)	880115	3267390	159167823
18. Net Electrical Energy Generated (MWH)	836098	3094756	150170362
19. Unit Service Factor	100.0	96.0	82.1
20. Unit Availability Factor	100.0	96.0	82.1
21. Unit Capacity Factor (Using MDC Net)	103.0	94.4	80.4
22. Unit Capacity Factor (Using DER Net)	101.6	93.1	79.4
23. Unit Forced Outage Rate	0.0	3.9	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. 50-413

UNIT NAME: Catawba 1

DATE: May 13, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: April, 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
			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: May 13, 2004

Name of Contact:           R. A. Williams

Phone: (704) - 382-5346



# Operating Data Report

Docket No. 50-414  
 Date May 13, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

- 1. Unit Name: Catawba 2
- 2. Reporting Period: April 1, 2004 - April 30, 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	719.0	2903.0	155160.0
12. Number of Hours Reactor was Critical	719.0	2903.0	130856.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2903.0	129400.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2452351	9889270	426243939
17. Gross Electrical Energy Generated (MWH)	881251	3564779	152026053
18. Net Electrical Energy Generated (MWH)	837771	3390899	143693879
19. Unit Service Factor	100.0	100.0	83.4
20. Unit Availability Factor	100.0	100.0	83.4
21. Unit Capacity Factor (Using MDC Net)	103.2	103.5	81.9
22. Unit Capacity Factor (Using DER Net)	101.8	102.0	80.9
23. Unit Forced Outage Rate	0.0	0.0	6.3
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	_____	_____

**UNIT SHUTDOWNS**

DOCKET NO. 50-414  
 UNIT NAME: Catawba 2  
 DATE: May 13, 2004  
 COMPLETED BY: Roger Williams  
 TELEPHONE: 704-382-5346

REPORT MONTH: April, 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
			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 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: May 13, 2004

Name of Contact:         R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

MARCH 2004

1. Personnel Exposure -

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