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December 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 – November 2004

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

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

*M. R. Robinson / for*

William R. McCollum, Jr.

Attachment

*IE24*

U.S. Nuclear Regulatory Commission  
Monthly Performance and Operation Status  
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xc: W. D. Travers, Regional Administrator  
U.S. Nuclear Regulatory Commission  
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M. Shannon, Senior Resident Inspector, Oconee Nuclear Station  
J. Brady, Senior Resident Inspector, McGuire Nuclear Station  
E. Guthrie, Senior Resident Inspector, Catawba Nuclear Station

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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 – EC05P  
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>December 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: November 1, 2004 - November 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	720.0	8040.0	275065.0
12. Number of Hours Reactor was Critical	720.0	7929.6	217838.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	7805.7	214153.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1847727	19906520	530830266
17. Gross Electrical Energy Generated (MWH)	645116	6924582	183673695
18. Net Electrical Energy Generated (MWH)	617219	6619667	174738692
19. Unit Service Factor	100.0	97.1	77.9
20. Unit Availability Factor	100.0	97.1	77.9
21. Unit Capacity Factor (Using MDC Net)	101.3	97.3	74.5
22. Unit Capacity Factor (Using DER Net)	96.8	92.9	71.7
23. Unit Forced Outage Rate	0.0	2.3	9.0
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown At End Of Report Period, Estimated Date of Startup

26. Units in Test Status (Prior to Commercial Operation)

	Forecast	Achieved
Initial Criticality	_____	_____
Initial Electricity	_____	_____
Commercial Operation	_____	_____

NRC Calculated from Generator Nameplate Data:  
 1 037 937 KVA x 0.90 Pf=934 MW

## UNIT SHUTDOWNS

DOCKET NO. 50-269UNIT NAME: Oconee 1DATE: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: 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: 926\*  
(c) in the ISFSI: 1968\*\*
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: December 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>December 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: November 1, 2004 - November 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	720.0	8040.0	264985.0
12. Number of Hours Reactor was Critical	720.0	6001.6	215847.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	5908.9	213175.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1848960	14985821	528030742
17. Gross Electrical Energy Generated (MWH)	653383	5264576	181814501
18. Net Electrical Energy Generated (MWH)	625862	5023922	173318960
19. Unit Service Factor	100.0	73.5	80.4
20. Unit Availability Factor	100.0	73.5	80.4
21. Unit Capacity Factor (Using MDC Net)	102.7	73.9	76.7
22. Unit Capacity Factor (Using DER Net)	98.1	70.5	73.8
23. Unit Forced Outage Rate	0.0	3.8	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: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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

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: October, 2005
3. Scheduled restart following refueling: November, 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: 926\*  
(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: December 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 December 15, 2004  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: November 1, 2004 - November 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	720.0	8040.0	262632.0
12. Number of Hours Reactor was Critical	0.0	6734.3	209353.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	0.0	6699.4	206573.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0	17141092	517316844
17. Gross Electrical Energy Generated (MWH)	0	5999455	179156631
18. Net Electrical Energy Generated (MWH)	0	5745678	170960355
19. Unit Service Factor	0.0	83.3	78.7
20. Unit Availability Factor	0.0	83.3	78.7
21. Unit Capacity Factor (Using MDC Net)	0.0	84.5	76.3
22. Unit Capacity Factor (Using DER Net)	0.0	80.7	73.5
23. Unit Forced Outage Rate	0.0	1.0	8.7
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	_____	_____

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: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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
3	11/01/04	S	720.00	C	4		END-OF-CYCLE 21 REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE

## Summary:

Oconee unit 3 began the month of November in a outage due to end-of-cycle 21 refueling and steam generator replacement outage. The unit remained in the end-of-cycle 21 refueling and steam generator replacement 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: 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: 484  
(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: December 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

OCTOBER 2004

1. Personnel Exposure -

The total station liquid release for OCTOBER 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 OCTOBER 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	December 15, 2004
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: November 1, 2004 - November 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 (Gross MWe) 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	720.0	8040.0	201624.0
12. Number of Hours Reactor was Critical	483.3	6602.6	158388.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	477.7	6578.5	157063.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1550432	22242938	508887750
17. Gross Electrical Energy Generated (MWH)	539335	7677389	175461584
18. Net Electrical Energy Generated (MWH)	512365	7378311	168206622
19. Unit Service Factor	66.3	81.8	77.9
20. Unit Availability Factor	66.3	81.8	77.9
21. Unit Capacity Factor (Using MDC Net)	64.7	83.4	73.8
22. Unit Capacity Factor (Using DER Net)	60.3	77.8	70.7
23. Unit Forced Outage Rate	33.7	8.5	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	_____	_____

## UNIT SHUTDOWNS

DOCKET NO. 50-369

UNIT NAME: McGuire 1DATE: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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
7	11/01/04	F	242.33	A	4		OUTAGE DELAYED TO REPAIR AND EVALUATE MAIN STEAM ISOLATION VALVES 1SM-1 AND 1SM-7

**Summary:**

McGuire began the month of November in an outage delayed to repair and evaluate main steam isolation valves 1SM-1 and 1SM-7. On 11/11/04 at 0220 the unit was placed on-line holding at 13% power until 0250. The unit began power escalation and held at 23.5% from 0420 to 1037 to evaluate containment sump issue and secondary side power excursion due to "B" feedwater pump turbine. On 11/11/04 from 1202 to 1334 the unit held at 15.5% power to swap 1B feedwater pump turbine from aux steam to main steam. The unit held at 24% power from 1458 to 1651 to investigate lower containment sump input. The unit held at 34% power from 1823 to 11/12/04 at 0200 due to feedwater valve tuning and reactor coolant leakage calculations. The load was secured at 43% power from 0407 to 0541 to place "A" feedwater pump turbine in service. The unit held from 0710 to 0858 at 50% power due to feedwater valve tuning. The unit held at 90% power from 1430 to 1538 due to thermal power check. The unit returned to 100% full power on 11/12/04 at 2034 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: December 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346



# Operating Data Report

Docket No.	<u>50-370</u>
Date	<u>December 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: November 1, 2004 - November 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	720.0	8040.0	181920.0
12. Number of Hours Reactor was Critical	720.0	8040.0	151880.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	8040.0	150597.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2454630	27396713	498598587
17. Gross Electrical Energy Generated (MWH)	854348	9476682	173403119
18. Net Electrical Energy Generated (MWH)	823930	9137768	166548370
19. Unit Service Factor	100.0	100.0	82.8
20. Unit Availability Factor	100.0	100.0	82.8
21. Unit Capacity Factor (Using MDC Net)	104.0	103.3	81.3
22. Unit Capacity Factor (Using DER Net)	97.0	96.3	77.6
23. Unit Forced Outage Rate	0.0	0.0	5.0
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown At End Of Report Period, Estimated Date of Startup

26. Units in Test Status (Prior to Commercial Operation)

	Forecast	Achieved
Initial Criticality	_____	_____
Initial Electricity	_____	_____
Commercial Operation	_____	_____

## UNIT SHUTDOWNS

DOCKET NO. 50-370UNIT NAME: McGuire 2DATE: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

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: December 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

OCTOBER 2004

1. Personnel Exposure -

The total station liquid release for OCTOBER 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 OCTOBER 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	December 15, 2004
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: November 1, 2004 - November 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	720.0	8040.0	170281.0
12. Number of Hours Reactor was Critical	720.0	7930.1	142519.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	695.1	7899.7	140660.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2336208	26324596	465516762
17. Gross Electrical Energy Generated (MWH)	835171	9385016	165285449
18. Net Electrical Energy Generated (MWH)	791874	8891489	155967095
19. Unit Service Factor	96.5	98.3	82.6
20. Unit Availability Factor	96.5	98.3	82.6
21. Unit Capacity Factor (Using MDC Net)	97.4	98.0	81.0
22. Unit Capacity Factor (Using DER Net)	96.1	96.6	80.0
23. Unit Forced Outage Rate	3.5	1.7	5.5
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: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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
3	11/13/04	F	24.90	A	--		MAIN TURBINE CONTROL SYSTEM SPURIOUS ALARM REPAIR

**Summary:**

Catawba unit 1 began the month of November operating at 100% power. On 11/13/04 at 0525 the unit was taken off-line to investigate/repair spurious main turbine control system alarm. The unit was placed on-line 11/14/04 at 0619 holding at 12% power until 0644. During power escalation, the unit held at 17% power from 0717 to 0809 due to main feedwater nozzle swap. The unit held at 55% power from 1210 to 1246 to place second main feedwater pump in service. On 11/14/04 from 1518 to 1635 the unit held at 78% power due to main turbine control valve movement performance testing. The unit returned to 100% full power on 11/14/04 at 2033 and operated at or near 100% full power until 11/16/04 at 2232 when the unit began decreasing power and held at 97.5% power until 11/19/04 at 0600 to allow auxiliary feedwater pump 1A to run to cool steam generator 1A and 1B auxiliary feedwater piping. The unit returned to 100% full power on 11/19/04 at 0836 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: 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: December 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

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

## Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: November 1, 2004 - November 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 (Gross MWe) 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	720.0	8040.0	160297.0
12. Number of Hours Reactor was Critical	720.0	6954.4	134907.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	701.2	6929.8	133427.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2373391	23468322	439822991
17. Gross Electrical Energy Generated (MWH)	849489	8395919	156857193
18. Net Electrical Energy Generated (MWH)	806618	7966958	148269938
19. Unit Service Factor	97.4	86.2	83.2
20. Unit Availability Factor	97.4	86.2	83.2
21. Unit Capacity Factor (Using MDC Net)	99.2	87.8	81.8
22. Unit Capacity Factor (Using DER Net)	97.8	86.5	80.8
23. Unit Forced Outage Rate	2.6	0.9	6.2
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. 50-414UNIT NAME: Catawba 2DATE: December 15, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 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
5	11/09/04	F	18.82	A	--		TURBINE CONTROL OIL LEAK AT #1 INTERCEPT VALVE

## Summary:

Catawba unit 2 began the month of November operating at 100% power. On 11/09/04 at 2052 the unit was taken off-line due to a turbine control oil leak at #1 intercept valve. The unit was placed on-line 11/10/04 at 1541 holding at 12% power until 1607. During power escalation, the unit held at 18% power from 1644 to 1835 for main feedwater nozzle swap. The unit held at 70% power from 11/11/04 from 0007 to 0051 due to main turbine control valve movement performance testing. The unit returned to 100% full power on 11/11/04 at 0542 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: Catawba Unit 2
2. Scheduled next refueling shutdown: March 2006
3. Scheduled restart following refueling: April 2006

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: 993
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: December 15, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

OCTOBER 2004

1. Personnel Exposure -

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