



Duke Power
526 South Church Street
P.O. Box 1006
Charlotte, NC 28201-1006

February 16, 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 – January, 2004

Please find attached information concerning the performance and operation status of the Oconee, McGuire and Catawba Nuclear Stations for the month of January 2004 and Revision 1 of McGuire Unit 2 for the periods October, November and December 2003 on the Operating Status.

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

Sincerely,

W. R. McCollum, Jr.
Senior Vice President
Nuclear Support

JEZ4

U.S. Nuclear Regulatory Commission
Monthly Performance and Operation Status
February 16, 2004
Page 2

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U.S. Nuclear Regulatory Commission
Monthly Performance and Operation Status
February 16, 2004
Page 3

bxc: 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.	<u>50-269</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | Oconee 1 |
| 2. Reporting Period: | January 1, 2004 - January 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	744.0	267769.0
12. Number of Hours Reactor was Critical	633.6	633.6	210542.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	562.1	562.1	206910.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1325088	1325088	512248834
17. Gross Electrical Energy Generated (MWH)	453658	453658	177202771
18. Net Electrical Energy Generated (MWH)	427945	427945	168546970
19. Unit Service Factor	75.5	75.5	77.3
20. Unit Availability Factor	75.5	75.5	77.3
21. Unit Capacity Factor (Using MDC Net)	68.0	68.0	73.8
22. Unit Capacity Factor (Using DER Net)	64.9	64.9	71.0
23. Unit Forced Outage Rate	24.3	24.3	9.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

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

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-269UNIT NAME: Oconee 1DATE: February 16, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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	01/01/04	F	76.32	A	4		OUTAGE DELAY OF 3.18 DAYS DUE TO REACTOR COOLANT PUMP SEAL O-RINGS LEAKING
2	01/04/04	F	52.77	A	4		OUTAGE DELAY OF 2.20 DAYS DUE TO MULTIPLE FUSES BLOWN IN GENERATOR REGULATOR DRAWERS
3	01/06/04	S	1.28	B	--		TURBINE OVERSPEED TRIP TEST
4	01/08/04	F	51.55	A	1		REACTOR COOLANT SYSTEM PIPING LEAK

Summary:

Oconee unit 1 began the month of January in a continued outage delayed an additional 3.18 days due to reactor coolant pump seal o-rings leaking. The unit was delayed 2.20 days due to multiple fuses blown in generator regulator drawers. The refueling outage spanned 108.38 days. The unit was placed on-line 01/06/04 at 0905 holding at 18% power to perform the turbine overspeed trip test. The turbine overspeed trip test was performed 01/06/04 at 1323. The unit was placed on-line 01/06/04 at 1440. During power escalation the unit held at 28.5% power from 1625 to 1730 due to calibration of integrated control system. The unit began decreasing power 01/08/04 at 1312 to investigate reactor coolant system piping leak and the unit was taken off-line at 1752 to repair the reactor coolant system piping leak. The unit returned to service 01/10/04 at 2125. During power escalation the unit held at 25% power from 2210 to 01/11/04 at 0002 due to integrated control system tuning. The unit held at 50% power from 0130 (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. 50-269

UNIT NAME: Oconee 1

DATE: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: January, 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 0310 to realign group 6 control rods. The unit held at 52% power from 0314 to 1703 to investigate electro-hydraulic control engineer evaluation. On 01/11/04 from 2107 to 01/12/04 at 0400 the unit held at 73% power due to high flux trip set point adjustment and integrated control system tuning. The unit held at 90% power from 0758 to 2114 due to nuclear instrumentation calibrations and integrated control system tuning. The unit returned to 100% full power on 01/13/04 at 0250 and operated at or near 100% full power until 01/21/04 at 1407 when the unit decreased to 96% power and held from 1417 to 1709 due to integrated control system tuning. The unit returned to 100% full power on 01/21/04 at 1812 and operated the remainder of the month at or near 100% full power.

(1) Reason

- | | |
|---------------------------------|---|
| A - Equipment failure (Explain) | E - Operator Training/License Examination |
| B - Maintenance or Test | F - Administrative |
| C - Refueling | G - Operator Error (Explain) |
| D - Regulatory restriction | 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: 914*
 (c) in the ISFSI: 1872****
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: February 16, 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>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | Oconee 2 |
| 2. Reporting Period: | January 1, 2004 - January 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	744.0	257689.0
12. Number of Hours Reactor was Critical	744.0	744.0	210589.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	208010.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1911825	1911825	514956746
17. Gross Electrical Energy Generated (MWH)	675178	675178	177225103
18. Net Electrical Energy Generated (MWH)	648550	648550	168943588
19. Unit Service Factor	100.0	100.0	80.7
20. Unit Availability Factor	100.0	100.0	80.7
21. Unit Capacity Factor (Using MDC Net)	103.0	103.0	76.8
22. Unit Capacity Factor (Using DER Net)	98.4	98.4	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. 50-270

UNIT NAME: Oconee 2

DATE: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: January, 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: Oconee Unit 2
2. Scheduled next refueling shutdown: March, 2004
3. Scheduled restart following refueling: June, 2004

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies
(a) in the core: 177
(b) in the spent fuel pool: 914*
(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: February 16, 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>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | Oconee 3 |
| 2. Reporting Period: | January 1, 2004 - January 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	744.0	255336.0
12. Number of Hours Reactor was Critical	744.0	744.0	203363.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	200618.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1909359	1909359	502085111
17. Gross Electrical Energy Generated (MWH)	671083	671083	173828259
18. Net Electrical Energy Generated (MWH)	644484	644484	165859161
19. Unit Service Factor	100.0	100.0	78.6
20. Unit Availability Factor	100.0	100.0	78.6
21. Unit Capacity Factor (Using MDC Net)	102.4	102.4	76.1
22. Unit Capacity Factor (Using DER Net)	97.8	97.8	73.3
23. Unit Forced Outage Rate	0.0	0.0	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. 50-287

UNIT NAME: Oconee 3

DATE: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: January, 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: 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: February 16, 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

DECEMBER 2003

1. Personnel Exposure -

The total station liquid release for DECEMBER 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 DECEMBER 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>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | McGuire 1 |
| 2. Reporting Period: | January 1, 2004 - January 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	744.0	194328.0
12. Number of Hours Reactor was Critical	744.0	744.0	152529.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	151228.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2535867	2535867	489180679
17. Gross Electrical Energy Generated (MWH)	890602	890602	168674797
18. Net Electrical Energy Generated (MWH)	860490	860490	161688801
19. Unit Service Factor	100.0	100.0	77.8
20. Unit Availability Factor	100.0	100.0	77.8
21. Unit Capacity Factor (Using MDC Net)	105.1	105.1	73.5
22. Unit Capacity Factor (Using DER Net)	98.0	98.0	70.5
23. Unit Forced Outage Rate	0.0	0.0	8.8
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-369

UNIT NAME: McGuire I

DATE: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

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

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 1011
8. Present licensed fuel pool capacity: 1463
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:
November 2005

DUKE POWER COMPANY

DATE: February 16, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

Docket No.	<u>50-370</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | McGuire 2 |
| 2. Reporting Period: | January 1, 2004 - January 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 (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	744.0	744.0	174624.0
12. Number of Hours Reactor was Critical	744.0	744.0	144584.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	143301.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2534873	2534873	473736747
17. Gross Electrical Energy Generated (MWH)	890136	890136	164816573
18. Net Electrical Energy Generated (MWH)	859716	859716	158270318
19. Unit Service Factor	100.0	100.0	82.1
20. Unit Availability Factor	100.0	100.0	82.1
21. Unit Capacity Factor (Using MDC Net)	105.0	105.0	80.4
22. Unit Capacity Factor (Using DER Net)	97.9	97.9	76.8
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: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: January, 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: 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: February 16, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

DECEMBER 2003

1. Personnel Exposure -

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

Operating Data Report

* REVISION 1

Docket No.	<u>50-370</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | McGuire 2 |
| 2. Reporting Period: | October 1, 2003 - October 31, 2003 |
| 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	745.0	7296.0	172416.0
12. Number of Hours Reactor was Critical	639.0	6589.1	142376.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	610.5	6560.7	141093.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1930162	22023776	466212136
17. Gross Electrical Energy Generated (MWH)	663331	7624332	162180437
18. Net Electrical Energy Generated (MWH)	633383	7343543	155726337
19. Unit Service Factor	81.9	89.9	81.8
20. Unit Availability Factor	81.9	89.9	81.8
21. Unit Capacity Factor (Using MDC Net)	77.3	91.5	80.1
22. Unit Capacity Factor (Using DER Net)	72.0	85.3	76.5
23. Unit Forced Outage Rate	7.0	0.7	5.3
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	_____	_____

Operating Data Report

*** REVISION 1**

Docket No.	<u>50-370</u>
Date	<u>February 16, 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, 2003 - November 30, 2003 |
| 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	8016.0	173136.0
12. Number of Hours Reactor was Critical	720.0	7309.1	143096.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	7280.7	141813.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2454157	24477933	468666293
17. Gross Electrical Energy Generated (MWH)	856270	8480602	163036707
18. Net Electrical Energy Generated (MWH)	825831	8169374	156552168
19. Unit Service Factor	100.0	90.8	81.9
20. Unit Availability Factor	100.0	90.8	81.9
21. Unit Capacity Factor (Using MDC Net)	104.3	92.6	80.2
22. Unit Capacity Factor (Using DER Net)	97.2	86.4	76.6
23. Unit Forced Outage Rate	0.0	0.6	5.3
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	_____	_____

Operating Data Report

*** REVISION 1**

Docket No.	<u>50-370</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|--------------------------------------|
| 1. Unit Name: | McGuire 2 |
| 2. Reporting Period: | December 1, 2003 - December 31, 2003 |
| 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	8760.0	173880.0
12. Number of Hours Reactor was Critical	744.0	8053.1	143840.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	8024.7	142557.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2535581	27013514	471201874
17. Gross Electrical Energy Generated (MWH)	889730	9370332	163926437
18. Net Electrical Energy Generated (MWH)	858434	9027808	157410602
19. Unit Service Factor	100.0	91.6	82.0
20. Unit Availability Factor	100.0	91.6	82.0
21. Unit Capacity Factor (Using MDC Net)	104.9	93.7	80.3
22. Unit Capacity Factor (Using DER Net)	97.8	87.3	76.7
23. Unit Forced Outage Rate	0.0	0.6	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	_____	_____

Operating Data Report

Docket No.	<u>50-413</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- | | |
|---|------------------------------------|
| 1. Unit Name: | Catawba 1 |
| 2. Reporting Period: | January 1, 2004 - January 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	744.0	162985.0
12. Number of Hours Reactor was Critical	744.0	744.0	135333.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	742.6	742.6	133503.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2443903	2443903	441636069
17. Gross Electrical Energy Generated (MWH)	876219	876219	156776652
18. Net Electrical Energy Generated (MWH)	832014	832014	147907620
19. Unit Service Factor	99.8	99.8	81.9
20. Unit Availability Factor	99.8	99.8	81.9
21. Unit Capacity Factor (Using MDC Net)	99.1	99.1	80.2
22. Unit Capacity Factor (Using DER Net)	97.7	97.7	79.3
23. Unit Forced Outage Rate	0.0	0.0	5.7
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-413UNIT NAME: Catawba 1DATE: February 16, 2004COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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	01/01/04	S	1.37	B	--		TURBINE OVERSPEED TRIP TEST

Summary:

Catawba unit 1 began the month of January in a continued outage due to the turbine overspeed trip test. The unit was placed on-line 01/01/04 at 0122. During power escalation, the unit held at 18% power pending main feedwater nozzle swap. The unit held at 50% power from 1629 to 01/02/04 at 0528 to repair generator power circuit breaker 1B air leak. On 01/02/04 from 2224 to 01/03/04 at 0117 the unit held at 89% power due to main turbine control valve movement performance testing. The unit held from 0340 to 1706 at 94% power due to pending delta T constants adjustment. The unit returned to 100% full power on 01/03/04 at 1900 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: February 16, 2004

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

Docket No.	<u>50-414</u>
Date	<u>February 16, 2004</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: January 1, 2004 - January 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	744.0	153001.0
12. Number of Hours Reactor was Critical	744.0	744.0	128697.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	127241.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2533853	2533853	418888522
17. Gross Electrical Energy Generated (MWH)	915319	915319	149376593
18. Net Electrical Energy Generated (MWH)	870721	870721	141173701
19. Unit Service Factor	100.0	100.0	83.2
20. Unit Availability Factor	100.0	100.0	83.2
21. Unit Capacity Factor (Using MDC Net)	103.7	103.7	81.6
22. Unit Capacity Factor (Using DER Net)	102.2	102.2	80.6
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: February 16, 2004

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: January, 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)

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

DECEMBER 2003

1. Personnel Exposure -

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