



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

June 16, 2003

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

Subject: Duke Energy Corporation  
Catawba Nuclear Station, Units 1, and 2  
Docket Numbers 50-413 and 50-414  
Monthly Performance and Operation Status-May, 2003

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of May, 2003 and Revision 1 of the Personnel Exposure page for the month of April, 2003. Please be advised the year-to-date and cumulative values for the gross thermal energy generated (MWH) has been in error from June, 1999 to April, 2003 for units 1 and 2. Please advise if these reports submitted in this timeframe should be resubmitted. However this specific data element was omitted for reporting per Generic Letter 97-02 issued May 15, 1997.

Any questions or comments may be directed to Roger A. Williams at (704) 382-5346.

Sincerely,

*M. S. Tuckman*

M. S. Tuckman  
Executive Vice President Nuclear Generation  
Duke Power

Attachment  
XC:

L. A. Reyes, Regional Administrator  
USNRC, Region II

R. E. Martin, Project Manager  
USNRC, ONRR

INPO Records Center

IE24

Document Control Desk  
U.S. NRC - Catawba

Ms. Margaret Aucoin  
Nuclear Assurance Corporation

Dottie Sherman, ANI Library  
American Nuclear Insurers

E. F. Guthrie, Senior Resident Inspector

bxc:

Gary Gilbert (CN01RC)  
K. E. Nicholson (CN01RC)  
RGC Site Licensing File  
ELL (EC050)

# Operating Data Report

Docket No. 50-413  
Date June 16, 2003  
Completed By Roger Williams  
Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: May 1, 2003 - May 31, 2003
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	3623.0	157104.0
12. Number of Hours Reactor was Critical	744.0	3592.6	130697.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3585.9	129181.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2530287	12190558	427055043
17. Gross Electrical Energy Generated (MWH)	903842	4372858	151618781
18. Net Electrical Energy Generated (MWH)	858763	4150934	143048620
19. Unit Service Factor	100.0	99.0	82.2
20. Unit Availability Factor	100.0	99.0	82.2
21. Unit Capacity Factor (Using MDC Net)	102.2	101.5	80.5
22. Unit Capacity Factor (Using DER Net)	100.8	100.1	79.5
23. Unit Forced Outage Rate	0.0	1.0	5.4
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. 50-413

UNIT NAME: Catawba 1

DATE: June 16, 2003

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: May, 2003

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: November 2003
3. Scheduled restart following refueling: December 2003

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: 944
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: June 16, 2003

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No. 50-414  
 Date June 16, 2003  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: May 1, 2003 - May 31, 2003
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	3623.0	147120.0
12. Number of Hours Reactor was Critical	744.0	3011.5	122816.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2980.0	121360.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2533490	9988906	398958733
17. Gross Electrical Energy Generated (MWH)	908090	3595325	142241374
18. Net Electrical Energy Generated (MWH)	862946	3410693	134395508
19. Unit Service Factor	100.0	82.3	82.5
20. Unit Availability Factor	100.0	82.3	82.5
21. Unit Capacity Factor (Using MDC Net)	102.7	83.4	80.8
22. Unit Capacity Factor (Using DER Net)	101.3	82.2	79.8
23. Unit Forced Outage Rate	0.0	0.4	6.7
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. 50-414

UNIT NAME: Catawba 2

DATE: June 16, 2003

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: May, 2003

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: June 16, 2003**

**Name of Contact: R. A. Williams**

**Phone: (704) - 382-5346**



CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

APRIL 2003

1. Personnel Exposure -

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

**Revision 1**

**CATAWBA NUCLEAR STATION**

**MONTHLY OPERATING STATUS REPORT**

**MARCH 2003**

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.