



**Duke Power Company**  
*A Duke Energy Company*  
Energy Center  
P.O. Box 1006  
Charlotte, NC 28201-1006

February 15, 2001

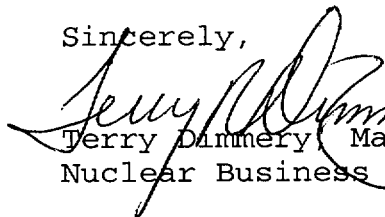
U.S Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Corporation  
Catawba Nuclear Station, Units 1, and 2  
Docket Numbers 50-413 and 50-414  
Monthly Performance and Operation Status-January, 2001

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of January, 2001.

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

Sincerely,



Terry Danmery, Manager  
Nuclear Business Support

Attachment  
XC:

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

Chandu Patel, Project Manager  
USNRC, ONRR

INPO Records Center

Ms. Margaret Aucoin  
Nuclear Assurance Corporation

Dottie Sherman, ANI Library  
American Nuclear Insurers

Darrell Roberts, Senior Resident Inspector

JE24

Document Control Desk  
U.S. NRC - Catawba

bxc:

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

# Operating Data Report

Docket No. 50-413  
Date February 15, 2001  
Completed By Roger Williams  
Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 1  
2. Reporting Period: January 1, 2001 - January 31, 2001  
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	744.0	744.0	136705.0
12. Number of Hours Reactor was Critical	725.7	725.7	110817.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	706.0	706.0	109328.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2344802	11569318	368993622
17. Gross Electrical Energy Generated (MWH)	842549	842549	127574900
18. Net Electrical Energy Generated (MWH)	798164	798164	120237271
19. Unit Service Factor	94.9	94.9	80.0
20. Unit Availability Factor	94.9	94.9	80.0
21. Unit Capacity Factor (Using MDC Net)	95.0	95.0	77.7
22. Unit Capacity Factor (Using DER Net)	93.7	93.7	76.8
23. Unit Forced Outage Rate	5.1	5.1	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. 50-413UNIT NAME: Catawba 1DATE: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 2001

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	01/17/01	F	38.00	A	3		MAIN TURBINE TRIP OCCURRED DURING REPLACEMENT OF DEFECTIVE MAIN TURBINE MECHANICAL TRIP POSITION LIMIT SWITCH

**Summary:**

Catawba unit 1 began the month of January operating at or near 100% full power. On 01/17/01 at 1618 an automatic reactor trip was initiated from 100% full power by main turbine trip generated during replacement of defective main turbine mechanical trip piston position limit switch. The unit was placed on-line 01/19/01 at 0618. During power escalation, the unit held at 50% power on 01/19/01 from 1147 to 1342 due to main turbine stop valve movement testing. The unit held at 69% power from 1526 to 1656 and decreased power and held at 63% power from 1726 to 01/20/01 at 2250 pending resolution of problem placing "1A" feedwater pump in-service. The unit held at 84% power on 01/21/01 from 0114 to 0230 due to main turbine control valve movement testing. The unit returned to 100% full power on 01/21/01 at 0750 and operated at or near 100% 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 2002
3. Scheduled restart following refueling: May 2002

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: 860
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 15, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No. 50-414  
 Date February 15, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: January 1, 2001 - January 31, 2001
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.**

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
  10. Reason for Restrictions, If any: \_\_\_\_\_
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	This Month	YTD	Cumulative
11. Hours in Reporting Period	744.0	744.0	126721.0
12. Number of Hours Reactor was Critical	744.0	744.0	104252.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	102855.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2533862	14103180	348113550
17. Gross Electrical Energy Generated (MWH)	918472	918472	119813868
18. Net Electrical Energy Generated (MWH)	873171	873171	113111539
19. Unit Service Factor	100.0	100.0	81.2
20. Unit Availability Factor	100.0	100.0	81.2
21. Unit Capacity Factor (Using MDC Net)	104.0	104.0	79.0
22. Unit Capacity Factor (Using DER Net)	102.5	102.5	78.0
23. Unit Forced Outage Rate	0.0	0.0	7.5
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. 50-414UNIT NAME: Catawba 2DATE: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 2001

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: Catawba Unit 2
2. Scheduled next refueling shutdown: September 2001
3. Scheduled restart following refueling: October 2001

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: 756
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: February 15, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346



CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

DECEMBER 2000

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.