



**Duke Power Company**  
*A Duke Energy Company*

Energy Center  
P.O. Box 1006  
Charlotte, NC 28201-1006

December 13, 2000

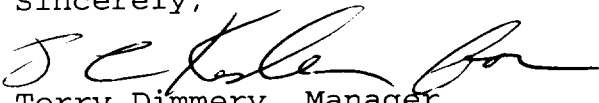
U.S Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Corporation  
Catawba Nuclear Station, Units 1, and 2  
Docket Numbers 50-413 and 50-414  
Monthly Performance and Operation Status-November, 2000

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of November, 2000.

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

Sincerely,



Terry Dimmery, 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

IE24

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	December 13, 2000
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: November 1, 2000 - November 30, 2000
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	135217.0
12. Number of Hours Reactor was Critical	259.7	7131.5	109348.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	244.4	7101.0	107878.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	715126	131186138	462220133
17. Gross Electrical Energy Generated (MWH)	253511	8516171	125826598
18. Net Electrical Energy Generated (MWH)	233438	8062881	118578989
19. Unit Service Factor	33.9	88.3	79.8
20. Unit Availability Factor	33.9	88.3	79.8
21. Unit Capacity Factor (Using MDC Net)	28.7	88.8	77.5
22. Unit Capacity Factor (Using DER Net)	28.3	87.6	76.6
23. Unit Forced Outage Rate	0.0	0.5	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	_____	_____

### 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: December 13, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

## UNIT SHUTDOWNS

DOCKET NO. 50-413UNIT NAME: Catawba 1DATE: December 13, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 2000

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
2	11/01/00	S	473.77	C	4		END-OF-CYCLE 12 REFUELING OUTAGE
3	11/20/00	S	1.83	B	--		MAIN TURBINE OVERSPEED TRIP TEST

**Summary:**

Catawba unit 1 began the month of October in the end-of-cycle 12 refueling outage. The end-of-cycle 12 refueling outage spanned 37.56 days. The unit was placed on-line 11/20/00 at 1746. The unit increased power and held at 17% power from 2000 to 2220 prior to decreasing power to perform the main turbine overspeed trip test. The unit was taken off line on 11/20/00 at 2305 to perform the main turbine overspeed trip test. The unit was placed on-line 11/21/00 at 0055. During power escalation the unit held at 29% from 0749 to 1012 due to power ascension testing and secondary chemistry sodium action level 1. The unit held at 74% power on 11/22/00 from 0802 to 1225 due to power ascension testing. During power escalation, the unit held at 97% power on 11/23/00 from 0138 to 0614 due to feedwater pump 1A lo pressure control malfunction. The unit decreased power on 11/23/00 at 0614 and held at 59% power from 0702 to 1150 to repair feedwater pump 1A control problem. The unit resumed power escalation, and held at 61% power from 1240 to 2108 to replace bad feedwater pump governor control circuit card in digital feedwater control system. The unit returned to 100% full power on 11/25/00 at 0024 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

# Operating Data Report

Docket No. 50-414  
 Date December 13, 2000  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: November 1, 2000 - November 30, 2000
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	125233.0
12. Number of Hours Reactor was Critical	720.0	7241.8	102764.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	7186.9	101367.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2452082	155068002	462667878
17. Gross Electrical Energy Generated (MWH)	885595	8560714	117976637
18. Net Electrical Energy Generated (MWH)	840296	8107210	111364206
19. Unit Service Factor	100.0	89.4	80.9
20. Unit Availability Factor	100.0	89.4	80.9
21. Unit Capacity Factor (Using MDC Net)	103.4	89.3	78.7
22. Unit Capacity Factor (Using DER Net)	101.9	88.1	77.7
23. Unit Forced Outage Rate	0.0	2.2	7.6
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	_____	_____

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: December 13, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

## UNIT SHUTDOWNS

DOCKET NO. 50-414UNIT NAME: Catawba 2DATE: December 13, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: November, 2000

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



CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

OCTOBER 2000

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.