



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

October 11, 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-September, 2000

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

Any questions or comments September 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  
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Gary Gilbert (CN01RC)  
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RGC Site Licensing File  
ELL (EC050)

# Operating Data Report

Docket No.	50-413
Date	October 11, 2000
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: September 1, 2000 - September 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.**

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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	720.0	6575.0	133752.0
12. Number of Hours Reactor was Critical	720.0	6554.3	108770.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	6539.3	107316.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2440759	109990926	441024921
17. Gross Electrical Energy Generated (MWH)	867206	7916072	125226499
18. Net Electrical Energy Generated (MWH)	823092	7504740	118020848
19. Unit Service Factor	100.0	99.5	80.2
20. Unit Availability Factor	100.0	99.5	80.2
21. Unit Capacity Factor (Using MDC Net)	101.3	101.1	78.0
22. Unit Capacity Factor (Using DER Net)	99.8	99.7	77.1
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	_____	_____

### UNIT SHUTDOWNS

**DOCKET NO.** 50-413  
**UNIT NAME:** Catawba 1  
**DATE:** October 11, 2000  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** September, 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
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**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)



# Operating Data Report

Docket No.	50-414
Date	October 11, 2000
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: September 1, 2000 - September 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	6575.0	123768.0
12. Number of Hours Reactor was Critical	720.0	5776.8	101299.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	5721.9	99902.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2448895	128883341	436483217
17. Gross Electrical Energy Generated (MWH)	875693	6761682	116177605
18. Net Electrical Energy Generated (MWH)	831753	6401052	109658048
19. Unit Service Factor	100.0	87.0	80.7
20. Unit Availability Factor	100.0	87.0	80.7
21. Unit Capacity Factor (Using MDC Net)	102.3	86.2	78.4
22. Unit Capacity Factor (Using DER Net)	100.9	85.0	77.4
23. Unit Forced Outage Rate	0.0	2.8	7.7
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:** October 11, 2000  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** September, 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
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**Summary:**

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- G - Operator Error (Explain)
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**(2) Method**

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)



CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

AUGUST 2000

1. Personnel Exposure -

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