



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

May 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-April, 2000

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Terry Dimmery', written over a horizontal line.

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

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	May 11, 2000
Completed By	Roger Williams
Telephone	704-382-5346

Operating Status

- | | |
|---|--------------------------------|
| 1. Unit Name: | Catawba 1 |
| 2. Reporting Period: | April 1, 2000 - April 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 (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	719.0	2903.0	130080.0
12. Number of Hours Reactor was Critical	719.0	2882.3	105098.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2867.3	103644.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2454552	48971070	380005065
17. Gross Electrical Energy Generated (MWH)	876295	3482885	120793312
18. Net Electrical Energy Generated (MWH)	832043	3303988	113820096
19. Unit Service Factor	100.0	98.8	79.7
20. Unit Availability Factor	100.0	98.8	79.7
21. Unit Capacity Factor (Using MDC Net)	102.5	100.8	77.3
22. Unit Capacity Factor (Using DER Net)	101.1	99.4	76.4
23. Unit Forced Outage Rate	0.0	1.2	6.6
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	_____	_____

UNIT SHUTDOWNS

DOCKET NO. 50-413UNIT NAME: Catawba 1DATE: May 11, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba Unit 1
2. Scheduled next refueling shutdown: October 2000
3. Scheduled restart following refueling: November 2000

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: 784
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: May 11, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

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

Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: April 1, 2000 - April 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 (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	719.0	2903.0	120096.0
12. Number of Hours Reactor was Critical	547.2	2140.5	97663.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	526.5	2115.0	96295.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1544921	55722793	363322669
17. Gross Electrical Energy Generated (MWH)	548518	2427485	111843408
18. Net Electrical Energy Generated (MWH)	513420	2291051	105548047
19. Unit Service Factor	73.2	72.9	80.2
20. Unit Availability Factor	73.2	72.9	80.2
21. Unit Capacity Factor (Using MDC Net)	63.2	69.9	77.7
22. Unit Capacity Factor (Using DER Net)	62.4	68.9	76.8
23. Unit Forced Outage Rate	0.0	4.4	7.9
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	_____	_____

UNIT SHUTDOWNS

DOCKET NO. 50-414UNIT NAME: Catawba 2DATE: May 11, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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	04/01/00	S	190.88	C	4		END-OF-CYCLE 10 REFUELING OUTAGE
3	04/09/00	S	1.58	B	--		MAIN TURBINE OVERSPEED TEST

Summary:

The unit began the month of April, 2000 in end-of-cycle 10 refueling outage. The end-of-cycle 10 refueling outage spanned 28.72 days. The unit was placed on-line 04/08/00 at 2353. The unit increased power and held at 18.5% power on 04/09/00 from 0101 to 0347 due to main turbine overspeed test soak. The unit began decreasing power at 0347 and the unit was taken offline at 0431 to perform the turbine overspeed trip test. The unit was placed on-line 04/09/00 at 0606. During power escalation, the unit held at 18% power from 0739 to 1616 pending final heatup of main feedwater nozzles and to vent excess nitrogen pressure to allow the opening of main feedwater isolation valves for nozzle swap. The unit held at 76.5% from 04/10/00 at 2028 to 04/11/00 at 0004 due to power ascension testing. The unit increased power to 89% power and held from 0550 to 0720 due to power range nuclear instrumentation system cross calibrations. The unit returned to 100% full power on 04/11/00 at 1302 and operated at or near 100% full power until 04/27/00 at 2007 when the unit began decreasing power and held at 18% power from 04/28/00 at 0330 to 04/30/00 at 0215 for replacement of defective hydrogen igniters. The unit returned to 100% full power at 1615 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
 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 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: 764
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: May 11, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

MARCH 2000

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.