



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

June 13, 2002

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, 2002

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of May, 2002.

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

Sincerely,

Terry Dimmery by David Patten
Terry Dimmery, Manager
Nuclear Business Support

Attachment
XC:

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

Chandu Patel, Project Manager
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bxc:

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

Operating Data Report

Docket No.	50-413
Date	June 13, 2002
Completed By	Roger Williams
Telephone	704-382-5346

Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: May 1, 2002 - May 31, 2002
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	148344.0
12. Number of Hours Reactor was Critical	350.6	3134.4	121968.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	330.7	3114.5	120458.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1059703	57603994	444488896
17. Gross Electrical Energy Generated (MWH)	375599	3754781	141006876
18. Net Electrical Energy Generated (MWH)	350624	3560620	132976698
19. Unit Service Factor	44.4	86.0	81.2
20. Unit Availability Factor	44.4	86.0	81.2
21. Unit Capacity Factor (Using MDC Net)	41.7	87.0	79.2
22. Unit Capacity Factor (Using DER Net)	41.2	85.8	78.3
23. Unit Forced Outage Rate	0.0	0.0	5.8
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 13, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: May, 2002

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	05/01/02	S	410.38	C	4		END-OF-CYCLE 13 REFUELING OUTAGE
2	05/18/02	S	2.95	B	--		MAIN TURBINE OVERSPEED TRIP TEST

Summary:

The unit began the month of May in end-of-cycle 13 refueling outage. The end-of-cycle 13 refueling outage spanned 21.07 days. The unit was placed on-line 05/18/02 at 0223. The unit held at 18% power from 0510 to 0919 for required soaking for main turbine overspeed trip testing and then decreased power and held at 10% power from 1001 to 1050 to perform the turbine overspeed trip test. The main turbine overspeed trip test occurred on 05/18/02 at 1050. The unit was placed on-line 05/18/02 at 1347. During power escalation the unit held at 40% power from 1803 to 1859 to assess power ascension ramp rate restrictions. The unit held at 51% power from 2346 to 05/19/02 at 0215 and at 95% power from 05/19/02 at 2219 to 05/20/02 at 0104 due to power ascension testing. The unit held at 98% power from 0328 to 1017 to evaluate indicated high delta T in excess of 100%. The unit returned to 100% full power on 05/20/02 at 1100 and operated at or near 100% full power the remainder of the month.

(1) Reason

- | | |
|---------------------------------|---|
| A - Equipment failure (Explain) | E - Operator Training/License Examination |
| B - Maintenance or Test | F - Administrative |
| C - Refueling | G - Operator Error (Explain) |
| D - Regulatory restriction | 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 June 13, 2002
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: May 1, 2002 - May 31, 2002
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	138360.0
12. Number of Hours Reactor was Critical	744.0	3623.0	114667.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3623.0	113243.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2534491	69940517	429151837
17. Gross Electrical Energy Generated (MWH)	908596	4453280	132396251
18. Net Electrical Energy Generated (MWH)	862233	4232087	125044599
19. Unit Service Factor	100.0	100.0	81.8
20. Unit Availability Factor	100.0	100.0	81.8
21. Unit Capacity Factor (Using MDC Net)	102.6	103.5	80.0
22. Unit Capacity Factor (Using DER Net)	101.2	102.0	78.9
23. Unit Forced Outage Rate	0.0	0.0	7.2
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 13, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: May, 2002

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)

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

APRIL 2002

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.