



Duke Power
526 South Church Street
P.O. Box 1006
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March 14, 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-February, 2000

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

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

Sincerely,

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

Attachment
XC:

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

Chandu Patel, Project Manager
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RGC Site Licensing File
ELL (EC050)

UNIT SHUTDOWNS

DOCKET NO. 50-413

UNIT NAME: Catawba 1

DATE: March 14, 2000

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: February, 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
1	02/13/00	F	35.67	A	3		REACTOR TRIP INITIATED BY SPURIOUS TURBINE TRIP CAUSED BY DEFECTIVE TRIP SOLENOID ELECTRICAL CONNECTOR

Summary:

The unit began the month of February operating at 100% full power. The unit operated at or near 100% full power until 02/13/00 at 1832, when the unit experienced a reactor trip initiated by spurious turbine trip caused by defective trip solenoid electrical connector. The unit was placed on-line 02/15/00 at 0612. During power escalation, the unit held at 17% power from 0747 to 0846 pending swap to main feedwater nozzles. The unit held at 58% power from 1410 to 1600 due to hydraulic oil leak on pressure switch for steam generator '1D' feedwater isolation valve. On 02/15/00 at 1600 the unit began decreasing power and held at 16% power from 2000 to 02/16/00 at 0146 to repair hydraulic oil leak on pressure switch for steam generator '1D' feedwater isolation valve. During power escalation, the unit held at 55% power from 0550 to 0646 pending placement of second feedwater pump in-service. The unit returned to 100% full power on 02/16/00 at 1549, 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)

Operating Data Report

Docket No.	50-414
Date	March 14, 2000
Completed By	Roger Williams
Telephone	704-382-5346

Operating Status

- | | |
|---|--------------------------------------|
| 1. Unit Name: | Catawba 2 |
| 2. Reporting Period: | February 1, 2000 - February 29, 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	696.0	1440.0	118633.0
12. Number of Hours Reactor was Critical	696.0	1347.4	96869.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	696.0	1342.9	95523.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2369774	28527230	336127106
17. Gross Electrical Energy Generated (MWH)	857228	1586339	111002262
18. Net Electrical Energy Generated (MWH)	815581	1502918	104759914
19. Unit Service Factor	100.0	93.3	80.5
20. Unit Availability Factor	100.0	93.3	80.5
21. Unit Capacity Factor (Using MDC Net)	103.8	92.4	78.1
22. Unit Capacity Factor (Using DER Net)	102.3	91.2	77.1
23. Unit Forced Outage Rate	0.0	6.7	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. 50-414
UNIT NAME: Catawba 2
DATE: March 14, 2000
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

REPORT MONTH: February, 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
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- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2000

1. Personnel Exposure -

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