



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

October 15, 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-September, 2002

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

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

Sincerely,

Terry Dimmery by Chandu Patel
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. | <u>50-414</u> |
| Date | <u>October 15, 2002</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone | <u>704-382-5346</u> |

Operating Status

- | | |
|---|--|
| 1. Unit Name: | Catawba 2 |
| 2. Reporting Period: | September 1, 2002 - September 30, 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 (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 | 720.0 | 6551.0 | 141288.0 |
| 12. Number of Hours Reactor was Critical | 720.0 | 6551.0 | 117595.9 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 720.0 | 6551.0 | 116171.8 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 2453004 | 130587627 | 489798947 |
| 17. Gross Electrical Energy Generated (MWH) | 877239 | 8012776 | 135955747 |
| 18. Net Electrical Energy Generated (MWH) | 833782 | 7613673 | 128426185 |
| 19. Unit Service Factor | 100.0 | 100.0 | 82.2 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 82.2 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.6 | 102.9 | 80.4 |
| 22. Unit Capacity Factor (Using DER Net) | 101.1 | 101.5 | 79.4 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 7.0 |
| 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 15, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: September, 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)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba Unit 2
2. Scheduled next refueling shutdown: March 2003
3. Scheduled restart following refueling: March 2003

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: 836
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: October 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

| | |
|--------------|-------------------------|
| Docket No. | <u>50-413</u> |
| Date | <u>October 15, 2002</u> |
| Completed By | <u>Roger Williams</u> |
| Telephone | <u>704-382-5346</u> |

Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: September 1, 2002 - September 30, 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 (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 | 720.0 | 6551.0 | 151272.0 |
| 12. Number of Hours Reactor was Critical | 720.0 | 6062.4 | 124896.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 720.0 | 6042.5 | 123386.6 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 2452474 | 108277582 | 495162484 |
| 17. Gross Electrical Energy Generated (MWH) | 871656 | 7294037 | 144546132 |
| 18. Net Electrical Energy Generated (MWH) | 826798 | 6918240 | 136334318 |
| 19. Unit Service Factor | 100.0 | 92.2 | 81.6 |
| 20. Unit Availability Factor | 100.0 | 92.2 | 81.6 |
| 21. Unit Capacity Factor (Using MDC Net) | 101.7 | 93.5 | 79.7 |
| 22. Unit Capacity Factor (Using DER Net) | 100.3 | 92.2 | 78.7 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 5.7 |
| 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. 50-413

UNIT NAME: Catawba 1

DATE: October 15, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: September, 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)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba Unit 1
2. Scheduled next refueling shutdown: November 2003
3. Scheduled restart following refueling: December 2003

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: 944
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: October 15, 2002

Name of Contact: R. A Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

AUGUST 2002

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.