



Duke Power

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

January 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-December, 2001

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of December, 2001.

Any questions or comments may 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
USNRC, ONRR

INPO Records Center

Ms. Margaret Aucoin
Nuclear Assurance Corporation

Dottie Sherman, ANI Library
American Nuclear Insurers

Darrell Roberts, Senior Resident Inspector

IE24

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 January 15, 2002
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Catawba 1
2. Reporting Period: December 1, 2001 - December 31, 2001
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 | 744.0 | 8760.0 | 144721.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 8741.7 | 118833.9 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 8722.0 | 117344.1 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 2534803 | 142274622 | 499698926 |
| 17. Gross Electrical Energy Generated (MWH) | 909566 | 10519744 | 137252095 |
| 18. Net Electrical Energy Generated (MWH) | 864708 | 9976971 | 129416078 |
| 19. Unit Service Factor | 100.0 | 99.6 | 81.1 |
| 20. Unit Availability Factor | 100.0 | 99.6 | 81.1 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.9 | 100.9 | 79.0 |
| 22. Unit Capacity Factor (Using DER Net) | 101.5 | 99.5 | 78.1 |
| 23. Unit Forced Outage Rate | 0.0 | 0.4 | 5.9 |
| 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. 50-413UNIT NAME: Catawba 1DATE: January 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: December, 2001

| 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: April 2002
3. Scheduled restart following refueling: May 2002

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: 860
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: January 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

Docket No. 50-414
 Date January 15, 2002
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Catawba 2
2. Reporting Period: December 1, 2001 - December 31, 2001
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 | 744.0 | 8760.0 | 134737.0 |
| 12. Number of Hours Reactor was Critical | 405.5 | 7536.6 | 111044.9 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 398.9 | 7509.3 | 109620.8 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1326941 | 167475572 | 501485942 |
| 17. Gross Electrical Energy Generated (MWH) | 479467 | 9047575 | 127942971 |
| 18. Net Electrical Energy Generated (MWH) | 446287 | 8574144 | 120812512 |
| 19. Unit Service Factor | 53.6 | 85.7 | 81.4 |
| 20. Unit Availability Factor | 53.6 | 85.7 | 81.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 53.1 | 86.7 | 79.3 |
| 22. Unit Capacity Factor (Using DER Net) | 52.4 | 85.5 | 78.3 |
| 23. Unit Forced Outage Rate | 46.4 | 5.4 | 7.4 |
| 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. 50-414UNIT NAME: Catawba 2DATE: January 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: December, 2001

| 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 |
|-----|----------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---|
| 9 | 12/07/01 | F | 345.10 | A | 3 | | REACTOR TRIP DUE TO LO REACTOR COOLANT LOOP FLOW |

Summary:

Catawba unit 2 began the month of December operating at or near 100% full power. On 12/07/01 at 2350 an automatic reactor trip was initiated from 100% full power by lo reactor coolant flow caused by loss of reactor coolant pump 2D due to a motor fault. The unit was placed on-line 12/22/01 at 0856. During power escalation, the unit held at 18% power from 1041 to 1522 due to warming main feedwater nozzles and nozzle swap. On 12/22/01 from 2013 to 2052 the unit held at 64% power due to main turbine stop valve testing. The unit held at 85% power on 12/23/01 from 0014 to 0111 due to main turbine stop valve movement testing. The unit returned to 100% full power on 12/23/01 at 1035 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)

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: January 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

NOVEMBER 2001

1. Personnel Exposure -

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