



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

April 12, 2001

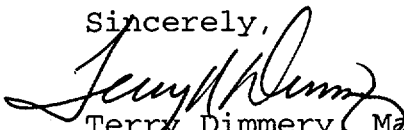
U.S Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Duke Energy Corporation
Oconee Nuclear Station, Units 1, 2, and 3
Docket Numbers 50-269, 50-270 and 50-287
Monthly Performance and Operation Status-March, 2001

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of March, 2001 and REVISION 1 for the month of February, 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

Dave LaBarge, Project Manager
USNRC, ONRR

INPO Records Center

Ms. Margaret Aucoin
Nuclear Assurance Corporation

Dottie Sherman, ANI Library
American Nuclear Insurers

Oconee NRC Inspector

IE24

Document Control Desk
U.S. NRC - Ocone

bxc:

L. E. Nicholson (ON03RC)
RGC Site Licensing File
ELL (EC050)

Operating Data Report

Docket No. 50-269
Date April 12, 2001
Completed By Roger Williams
Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: March 1, 2001 - March 31, 2001
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross MWe): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

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 | 2160.0 | 242905.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 1871.0 | 189168.1 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 1766.8 | 185826.3 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1898266 | 4468320 | 458800332 |
| 17. Gross Electrical Energy Generated (MWH) | 664945 | 1555538 | 158601102 |
| 18. Net Electrical Energy Generated (MWH) | 637717 | 1483034 | 150787005 |
| 19. Unit Service Factor | 100.0 | 81.8 | 76.5 |
| 20. Unit Availability Factor | 100.0 | 81.8 | 76.5 |
| 21. Unit Capacity Factor (Using MDC Net) | 101.3 | 81.2 | 72.7 |
| 22. Unit Capacity Factor (Using DER Net) | 96.7 | 77.5 | 70.1 |
| 23. Unit Forced Outage Rate | 0.0 | 16.3 | 9.8 |
| 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 | _____ | _____ |

NRC Calculated from Generator Nameplate Data:
1 037 937 KVA x 0.90 Pf=934 MW

UNIT SHUTDOWNS

DOCKET NO. 50-269UNIT NAME: Oconee 1DATE: April 12, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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: Oconee Unit 1
2. Scheduled next refueling shutdown: March 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: 177
 - (b) in the spent fuel pool: 962*
 - (c) in the ISFSI: 1392****
8. Present licensed fuel pool capacity: 1312
Size of requested or planned increase: **
9. Projected date of last refueling which can be accommodated by present capacity: January 2005***

DUKE POWER COMPANY

DATE: April 12, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

* Represents the combined total for Units 1 and 2

** On March 29, 1990, received a license for ISFSI which will store 2112 assemblies

*** We currently have 60 modules of which 49 modules are loaded.
Additional modules will be built on an as-needed basis.

**** Represents the combined total for Units 1, 2, and 3

Operating Data Report

Docket No. 50-270
 Date April 12, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: March 1, 2001 - March 31, 2001
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross MWe): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

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 | 2160.0 | 232825.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 2160.0 | 187501.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 2160.0 | 185075.5 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1908743 | 10011502 | 460703638 |
| 17. Gross Electrical Energy Generated (MWH) | 670287 | 1950032 | 156706896 |
| 18. Net Electrical Energy Generated (MWH) | 643555 | 1872147 | 149303562 |
| 19. Unit Service Factor | 100.0 | 100.0 | 79.5 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 79.5 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.2 | 102.5 | 75.1 |
| 22. Unit Capacity Factor (Using DER Net) | 97.6 | 97.8 | 72.4 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 9.2 |
| 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 | _____ | _____ |

NRC Calculated from Generator Nameplate Data:
 1 037 937 KVA x 0.90 Pf=934 MW

UNIT SHUTDOWNS

DOCKET NO. 50-270UNIT NAME: Oconee 2DATE: April 12, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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: Oconee Unit 2
2. Scheduled next refueling shutdown: April, 2001
3. Scheduled restart following refueling: May, 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: 177
(b) in the spent fuel pool: 926*
(c) in the ISFSI: See unit 1 ****
8. Present licensed fuel pool capacity: 1312
Size of requested or planned increase: **
9. Projected date of last refueling which can be accommodated by present capacity: January 2005***

DUKE POWER COMPANY

DATE: April 12, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

* Represents the combined total for Units 1 and 2

** See footnote on Unit 1

*** We currently have 60 modules of which 49 modules are loaded.
Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

Operating Data Report

Docket No. 50-287
 Date April 12, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: March 1, 2001 - March 31, 2001
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross MWe): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

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 | 2160.0 | 230472.0 |
| 12. Number of Hours Reactor was Critical | 0.0 | 1129.7 | 181076.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 0.0 | 1128.5 | 178490.4 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 0 | 12913136 | 455705059 |
| 17. Gross Electrical Energy Generated (MWH) | 0 | 1015807 | 154116694 |
| 18. Net Electrical Energy Generated (MWH) | 0 | 968392 | 147008427 |
| 19. Unit Service Factor | 0.0 | 52.2 | 77.4 |
| 20. Unit Availability Factor | 0.0 | 52.2 | 77.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 0.0 | 53.0 | 74.7 |
| 22. Unit Capacity Factor (Using DER Net) | 0.0 | 50.6 | 72.0 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 9.6 |
| 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 | _____ | _____ |

NRC Calculated from Generator Nameplate Data:
 1 037 937 KVA x 0.90 Pf=934 MW

UNIT SHUTDOWNS

DOCKET NO. 50-287UNIT NAME: Oconee 3DATE: April 12, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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 |
|-----|----------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---|
| 2 | 03/01/01 | S | 744.00 | A | 4 | | OUTAGE EXTENSION DUE TO LEAKS FOUND ON REACTOR VESSEL HEAD CONTROL ROD DRIVE MECHANISM |

Summary:

The unit began the month of March in an outage extension due to leaks found on reactor vessel head control rod drive mechanism. The unit remained in the outage for 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

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: November 2001
3. Scheduled restart following refueling: December 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: 177
 - (b) in the spent fuel pool: 552
 - (c) in the ISFSI: See Unit 1 ****
8. Present licensed fuel pool capacity: 825
Size of requested or planned increase: **
9. Projected date of last refueling which can be accommodated by present capacity: January 2005****

DUKE POWER COMPANY

DATE: April 12, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

** See footnote of Unit 1

*** We currently have 60 modules of which 49 modules are loaded.
Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

FEBRUARY 2001

1. Personnel Exposure -

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

Operating Data Report

Docket No. 50-287
 Date March 22, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 3
 2. Reporting Period: February 1, 2001 - February 28, 2001
 3. Licensed Thermal Power (MWt): 2568
 4. Nameplate Rating (Gross MWe): 934
 5. Design Electrical Rating (Net MWe): 886
 6. Maximum Dependable Capacity (Gross MWe): 886
 7. Maximum Dependable Capacity (Net MWe): 846
 8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

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 | 672.0 | 1416.0 | 229728.0 |
| 12. Number of Hours Reactor was Critical | 385.7 | 1129.7 | 181076.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 384.5 | 1128.5 | 178490.4 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 984879 | 2901634 | 445693557 |
| 17. Gross Electrical Energy Generated (MWH) | 345883 | 1015807 | 154116694 |
| 18. Net Electrical Energy Generated (MWH) | 329864 | 972848 | 147012883 |
| 19. Unit Service Factor | 57.2 | 79.7 | 77.7 |
| 20. Unit Availability Factor | 57.2 | 79.7 | 77.7 |
| 21. Unit Capacity Factor (Using MDC Net) | 58.0 | 81.2 | 75.0 |
| 22. Unit Capacity Factor (Using DER Net) | 55.4 | 77.5 | 72.2 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 9.6 |
| 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 | _____ | _____ |

NRC Calculated from Generator Nameplate Data:

1 037 937 KVA x 0.90 Pf=934 MW

UNIT SHUTDOWNS

DOCKET NO. 50-287UNIT NAME: Oconee 3DATE: March 15, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: February, 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 |
|-----|----------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---|
| 1 | 02/17/01 | S | 55.47 | A | 1 | | REPAIR LEAKING PRESSURIZER CODE SAFETY RELIEF VALVE |
| 2 | 02/19/01 | S | 232.00 | A | 4 | | OUTAGE EXTENSION DUE TO LEAKS FOUND ON REACTOR VESSEL HEAD CONTROL ROD DRIVE MECHANISM |

Summary:

Oconee unit 3 began the month of February operating at or near 100% full power. The unit began decreasing power 02/16/01 at 2025 and was taken off line 02/17/01 at 0032 to repair leaking pressurizer code safety relief valve (3RC-68). On 02/19/01 at 0800 the outage was delayed due to leaks found on the reactor vessel head control rod drive mechanism. The unit was in the outage 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

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation