



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

February 15, 2001

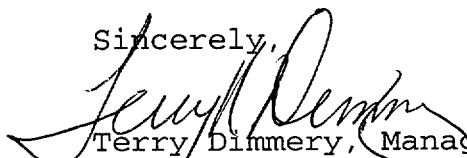
U.S Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

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-January, 2001

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

Any questions or comments December 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 - Oconee

bxc:

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

Operating Data Report

Docket No. 50-269
 Date February 15, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: January 1, 2001 - January 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 | 744.0 | 241489.0 |
| 12. Number of Hours Reactor was Critical | 455.0 | 455.0 | 187752.1 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 350.8 | 350.8 | 184410.3 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 844358 | 844358 | 455176370 |
| 17. Gross Electrical Energy Generated (MWH) | 287960 | 287960 | 157333524 |
| 18. Net Electrical Energy Generated (MWH) | 267420 | 267420 | 149571391 |
| 19. Unit Service Factor | 47.1 | 47.1 | 76.4 |
| 20. Unit Availability Factor | 47.1 | 47.1 | 76.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 42.5 | 42.5 | 72.5 |
| 22. Unit Capacity Factor (Using DER Net) | 40.6 | 40.6 | 69.9 |
| 23. Unit Forced Outage Rate | 49.5 | 49.5 | 9.9 |
| 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 | _____ | _____ |

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: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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 | 01/01/01 | S | 25.25 | C | 4 | | END-OF-CYCLE 19 REFUELING OUTAGE |
| 2 | 01/02/01 | F | 274.45 | A | 4 | | OUTAGE DELAY OF 11.44 DAYS DUE TO REACTOR VESSEL HEAD THERMOCOUPLE & CONTROL ROD DRIVE MECHANISM REPAIRS |
| 3 | 01/13/01 | F | 53.73 | A | -- | | HIGH TURBINE/GENERATOR BEARING VIBRATION |
| 4 | 01/15/01 | F | 15.47 | A | -- | | TRIPPED TURBINE/GENERATOR DUE TO HIGH VIBRATION |
| 5 | 01/16/01 | S | 24.33 | B | -- | | TURBINE OVERSPEED TRIP TEST |

Summary:

The unit began the month of January, 2001 in end-of-cycle 19 refueling outage. The refueling outage was delayed 11.44 days due to reactor vessel head thermocouple and control rod drive mechanism repairs. The end-of-cycle 19 refueling outage spanned 51.44 days. The unit was placed on-line 01/13/01 at 1142 holding at 18% power. The unit was taken off-line at 1301 due to high turbine/generator bearing vibration. The unit was placed on-line 01/15/01 at 1845 holding at 17% power. The unit increased to 18% power and was taken off-line 01/15/01 at 2211 due to turbine/generator high vibrations. The unit was placed on-line 01/16/01 at 1339 holding at 18% power to perform the turbine overspeed trip test. The turbine overspeed trip test was performed 01/16/01 at 1811 and was placed on-line 01/17/01 at 1831. During power escalation, the unit held at 40% power from 2304 to 01/18/01 at 0952 for nuclear instrumentation calibration. The unit resume power escalation and held at 63% power from 1253 to 2242 (Cont'd)

(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

UNIT SHUTDOWNS

DOCKET NO. 50-269UNIT NAME: Oconee 1DATE: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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 |
|-----|-------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---|
| | | | | | | | |

Summary:

to perform power escalation testing. The unit held at 81% power on 01/19/01 from 1152 to 1202 to investigate "1A" feedwater pump turbine vibrations. The unit held at 90% power on 01/19/01 from 1450 to 1500 and at 99.5% power from 1819 to 2200 due to nuclear instrumentation calibration. The unit returned to 100% full power on 01/20/01 at 0000 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

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: <u>177</u> |
| (b) | in the spent fuel pool: <u>986*</u> |
| (c) | in the ISFSI: <u>1368****</u> |
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: February 15, 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 February 15, 2001
Completed By Roger Williams
Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: January 1, 2001 - January 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 | 744.0 | 231409.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 744.0 | 186085.3 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 744.0 | 183659.5 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1908743 | 2753101 | 453445237 |
| 17. Gross Electrical Energy Generated (MWH) | 673059 | 673059 | 155429923 |
| 18. Net Electrical Energy Generated (MWH) | 646136 | 646136 | 148077551 |
| 19. Unit Service Factor | 100.0 | 100.0 | 79.4 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 79.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.7 | 102.7 | 74.9 |
| 22. Unit Capacity Factor (Using DER Net) | 98.0 | 98.0 | 72.2 |
| 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: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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: February 15, 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 February 15, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: January 1, 2001 - January 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 | 744.0 | 229056.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 744.0 | 180690.8 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 744.0 | 178105.9 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1916755 | 4669856 | 447461779 |
| 17. Gross Electrical Energy Generated (MWH) | 669924 | 669924 | 153770811 |
| 18. Net Electrical Energy Generated (MWH) | 642984 | 642984 | 146683019 |
| 19. Unit Service Factor | 100.0 | 100.0 | 77.8 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 77.8 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.2 | 102.2 | 75.0 |
| 22. Unit Capacity Factor (Using DER Net) | 97.5 | 97.5 | 72.3 |
| 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: February 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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 3
2. Scheduled next refueling shutdown: October 2001
3. Scheduled restart following refueling: November 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: February 15, 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

DECEMBER 2000

1. Personnel Exposure -

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