



Duke Power
526 South Church Street
P.O. Box 1006
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February 15, 2000

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, 2000

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

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

JE24

Document Control Desk
U.S. NRC - Oconee

bxc:

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

Operating Data Report

Docket No.	<u>50-269</u>
Date	<u>February 15, 2000</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: January 1, 2000 - January 31, 2000
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	232705.0
12. Number of Hours Reactor was Critical	744.0	744.0	180572.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	177357.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1909976	1909976	437232830
17. Gross Electrical Energy Generated (MWH)	670476	670476	151106566
18. Net Electrical Energy Generated (MWH)	641927	641927	143635963
19. Unit Service Factor	100.0	100.0	76.2
20. Unit Availability Factor	100.0	100.0	76.2
21. Unit Capacity Factor (Using MDC Net)	102.0	102.0	72.2
22. Unit Capacity Factor (Using DER Net)	97.4	97.4	69.7
23. Unit Forced Outage Rate	0.0	0.0	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. 50-269

UNIT NAME: Oconee 1

DATE: February 15, 2000

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: November, 2000
3. Scheduled restart following refueling: January, 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: 1070*
(c) in the ISFSI: 1128****
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 license capacity: March 2013***

DUKE POWER COMPANY

DATE: February 15, 2000

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

*** This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). 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.	<u>50-270</u>
Date	<u>February 15, 2000</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- 1. Unit Name: Oconee 2
- 2. Reporting Period: January 1, 2000 - January 31, 2000
- 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	222625.0
12. Number of Hours Reactor was Critical	744.0	744.0	177301.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	174875.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1909976	3819952	432044758
17. Gross Electrical Energy Generated (MWH)	671062	671062	147597405
18. Net Electrical Energy Generated (MWH)	643720	643720	140575620
19. Unit Service Factor	100.0	100.0	78.6
20. Unit Availability Factor	100.0	100.0	78.6
21. Unit Capacity Factor (Using MDC Net)	102.3	102.3	73.9
22. Unit Capacity Factor (Using DER Net)	97.7	97.7	71.3
23. Unit Forced Outage Rate	0.0	0.0	9.7
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	_____	_____

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

UNIT SHUTDOWNS

DOCKET NO. 50-270

UNIT NAME: Oconee 2

DATE: February 15, 2000

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2
2. Scheduled next refueling shutdown: May, 2001
3. Scheduled restart following refueling: June, 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: 1070*
(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 license capacity: October 2013***

DUKE POWER COMPANY

DATE: February 15, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

* Represents the combined total for Units 1 and 2

** See footnote on Unit 1

*** This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

Operating Data Report

Docket No.	<u>50-287</u>
Date	<u>February 15, 2000</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

- 1. Unit Name: Oconee 3
- 2. Reporting Period: January 1, 2000 - January 31, 2000
- 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	220272.0
12. Number of Hours Reactor was Critical	715.0	715.0	172767.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	707.3	707.3	170338.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1754047	5573999	428636901
17. Gross Electrical Energy Generated (MWH)	627293	627293	146844420
18. Net Electrical Energy Generated (MWH)	599819	599819	140062010
19. Unit Service Factor	95.1	95.1	77.3
20. Unit Availability Factor	95.1	95.1	77.3
21. Unit Capacity Factor (Using MDC Net)	95.3	95.3	74.4
22. Unit Capacity Factor (Using DER Net)	91.0	91.0	71.8
23. Unit Forced Outage Rate	4.9	4.9	10.0
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	_____	_____

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 15, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: January, 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	01/03/00	F	36.73	A	3		MANUALLY TRIPPED TURBINE/GENERATOR DUE TO HIGH ELECTRIC GENERATOR STATOR COIL TEMPERATURE

Summary:

Oconee Unit 3 began the month of January operating at 26% full power to repair 3HP-14 high pressure injection valve. The unit returned to 100% full power on 01/01/00 at 1030 and operated at or near 100% full power until 01/03/00 at 1258 when the turbine/generator was manually tripped due to high electric generator stator coil temperature and indicating zero MWE. The unit was placed on-line 01/05/00 at 0142 holding at 18% power for chemistry update on reactor coolant system boron. The unit began increasing power 01/05/00 at 0311 and held at 30% power from 0352 to 0515 to place powdex inservice. The unit held at 38% power from 0545 to 0907 to place 'D' heater drain pumps inservice and from 0907 to 1037 for nuclear instrumentation calibration. The unit resumed power escalation and held at 65% power from 1209 to 1437 for nuclear instrumentation calibration. The unit held at 80% power from 1535 to 1615 for reactor coolant system deboration. The unit held at 96% power from 1830 to 1845 to place 'E' heater drain pumps inservice. The unit returned to 100% full power on 01/06/00 at 0137 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 3
2. Scheduled next refueling shutdown: April 2000
3. Scheduled restart following refueling: May 2000

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: 588
(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 license capacity: July 2014***

DUKE POWER COMPANY

DATE: February 15, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

** See footnote of Unit 1

*** This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

DECEMBER 1999

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.