



Duke Power
526 South Church Street
P.O. Box 1006
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June 14, 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-May, 2001

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of May, 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.	<u>50-269</u>
Date	<u>June 14, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: May 1, 2001 - May 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	3623.0	244368.0
12. Number of Hours Reactor was Critical	744.0	3334.0	190631.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	679.2	3165.0	187224.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1753430	8065163	462397175
17. Gross Electrical Energy Generated (MWH)	603214	2804100	159849664
18. Net Electrical Energy Generated (MWH)	575011	2676159	151980130
19. Unit Service Factor	91.3	87.4	76.6
20. Unit Availability Factor	91.3	87.4	76.6
21. Unit Capacity Factor (Using MDC Net)	91.4	87.3	72.8
22. Unit Capacity Factor (Using DER Net)	87.2	83.4	70.2
23. Unit Forced Outage Rate	8.7	11.4	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: June 14, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: May, 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
6	05/21/01	F	64.78	A	1		ELECTRICAL GENERATOR SEAL OIL TANK LEVEL

Summary:

Oconee unit 1 began the month of May operating at 100% power. On 05/21/01 at 1715 the unit began decreasing power and held at 19% power from 05/21/01 at 1723 to 1732 to unload the turbine. The unit was taken off-line on 05/21/01 at 1732 due to loss of electrical generator seal oil tank level. The unit was placed on-line 05/24/01 at 1019. During power escalation, the unit held at 47.5% power from 05/24/01 at 1650 to 1657 to investigate the failure of heater drain valve 1HD-25. On 05/25/01 from 0025 to 0045 the unit held at 90% power and at 98.8% power from 0226 to 0503 due to nuclear instrumentation calibration/check. The unit returned to 100% full power on 05/25/01 at 0535 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: 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: June 14, 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.	<u>50-270</u>
Date	<u>June 14, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: Oconee 2
2. Reporting Period: May 1, 2001 - May 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	3623.0	234288.0
12. Number of Hours Reactor was Critical	76.1	2837.1	188178.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	10.3	2770.3	185685.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	33281	15179961	465872097
17. Gross Electrical Energy Generated (MWH)	2219	2492182	157249046
18. Net Electrical Energy Generated (MWH)	0	2383535	149814950
19. Unit Service Factor	1.4	76.5	79.3
20. Unit Availability Factor	1.4	76.5	79.3
21. Unit Capacity Factor (Using MDC Net)	0.0	77.8	74.9
22. Unit Capacity Factor (Using DER Net)	0.0	74.3	72.2
23. Unit Forced Outage Rate	0.0	0.0	9.1
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: June 14, 2001
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

REPORT MONTH: May, 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	05/01/01	S	719.68	C	4		END-OF-CYCLE 18 REFUELING OUTAGE
2	05/31/01	S	14.02	B	--		TURBINE OVERSPEED TRIP TEST

Summary:
 The unit began the month of May in end-of-cycle 18 refueling outage. The end-of-cycle 18 refueling outage spanned 34.95 days. The unit was placed on-line 05/30/01 at 2341 and holding at approximately 19% power from 05/30/01 at 2341 to 05/31/01 at 0316 to perform the turbine overspeed trip test. The unit was taken off-line 05/31/01 at 0316 to perform the turbine overspeed trip test. The unit was placed on-line at 1717. During power escalation, the unit held at 40% power from 2023 to 2236 due nuclear instrumentation calibration. The unit held at 43% power from 2315 to 2331 to reposition control rod drive group 8. The unit ended the month operating at approximately 45% full power and increasing.

(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: October, 2002
3. Scheduled restart following refueling: November, 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: 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: June 14, 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.	<u>50-287</u>
Date	<u>June 14, 2001</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: May 1, 2001 - May 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	3623.0	231935.0
12. Number of Hours Reactor was Critical	744.0	2063.4	182010.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2035.6	179397.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1895184	20365061	463156984
17. Gross Electrical Energy Generated (MWH)	670769	1823290	154924177
18. Net Electrical Energy Generated (MWH)	643385	1738009	147778044
19. Unit Service Factor	100.0	56.2	77.3
20. Unit Availability Factor	100.0	56.2	77.3
21. Unit Capacity Factor (Using MDC Net)	102.2	56.7	74.6
22. Unit Capacity Factor (Using DER Net)	97.6	54.1	71.9
23. Unit Forced Outage Rate	0.0	0.0	9.5
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. 50-287
UNIT NAME: Oconee 3
DATE: June 14, 2001
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

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

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: June 14, 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

APRIL 2001

1. Personnel Exposure -

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