

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-269

DATE April 15, 1992

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

1. Unit Name: Oconee 1
2. Reporting Period: March 1, 1992-March 31, 1992
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 Occur in Capacity Ratings (Items Number 3 Through 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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2184.0	164017.0
12. Number Of Hours Reactor Was Critical	744.0	2133.6	125342.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	2122.4	122833.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1912464	5421768	300074566
17. Gross Electrical Energy Generated (MWH)	661825	1877706	103833688
18. Net Electrical Energy Generated (MWH)	634450	1797106	98606849
19. Unit Service Factor	100.0	97.2	74.9
20. Unit Availability Factor	100.0	97.2	74.9
21. Unit Capacity Factor (Using MDC Net)	100.8	97.3	70.1
22. Unit Capacity Factor (Using DER Net)	96.3	92.9	67.8
23. Unit Forced Outage Rate	0.0	2.8	10.9
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
None			

25. If Shut Down 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

9204200081 920415  
PDR ADOCK 05000269  
R PDR

# OPERATING DATA REPORT

DOCKET NO 50-269  
UNIT Oconee 1  
DATE April 15, 1992  
COMPLETED BY R.A. Williams  
TELEPHONE 704-373-5987

MONTH March, 1992

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>853</u>
2	<u>853</u>
3	<u>853</u>
4	<u>853</u>
5	<u>853</u>
6	<u>854</u>
7	<u>853</u>
8	<u>853</u>
9	<u>853</u>
10	<u>854</u>
11	<u>853</u>
12	<u>853</u>
13	<u>853</u>
14	<u>853</u>
15	<u>853</u>
16	<u>853</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>853</u>
18	<u>852</u>
19	<u>852</u>
20	<u>852</u>
21	<u>852</u>
22	<u>853</u>
23	<u>852</u>
24	<u>852</u>
25	<u>852</u>
26	<u>852</u>
27	<u>852</u>
28	<u>852</u>
29	<u>852</u>
30	<u>852</u>
31	<u>852</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1992

DOCKET NO. 50-269  
 UNIT NAME OCONEE 1  
 DATE 04/15/92  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-373-8559

N O .	DATE	(1)  T Y P E	DURATION HOURS	(2)  R E A S O N	(3)  M E T - H O D O F S H U T D O W N R / X	LICENSE EVENT REPORT NO.	(4)  S Y S - T E M C O D E	(5)  C O M P O N E N T C O D E	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		NO	SHUTDOWNS	OR		REDUCTION	S		

(1)  
 F Forced  
 S Scheduled

(2)  
 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)

(3)  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Other (Explain)

(4)  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets For License  
 Event Report (LER)  
 File (NUREG-0161)

(5)  
 Exhibit I - Same Source

DOCKET NO: 50-269

UNIT: Oconee 1

DATE: 4/15/92

NARRATIVE SUMMARY

MONTH: March 1992

Oconee Unit 1 began the month of March operating at 100% full power.  
The unit operated at 100% full power for the entire month.

Prepared by: N. C. Simmons  
Telephone: 704-373-8559

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: October 1992
3. Scheduled restart following refueling: December 1992

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: 1002\*  
(c) in the ISFSI: 336\*\*\*\*
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 licensed capacity: February 2013\*\*\*

DUKE POWER COMPANY

DATE: April 15, 1992

Name of Contact: R. A. Williams

Phone: 704-373-5987

\* Represents the combined total for Units 1 and 2

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

\*\*\* This date is based on 88 Dry Storage Modules. We currently have 20 modules (480 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 50-270

DATE April 15, 1992

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

## OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: March 1, 1992-March 31, 1992
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 Occur in Capacity Ratings (Items Number 3 Through 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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2184.0	153937.0
12. Number Of Hours Reactor Was Critical	620.2	815.7	120160.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	606.6	800.6	118479.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1468680	1971600	286496486
17. Gross Electrical Energy Generated (MWH)	510381	673176	97785507
18. Net Electrical Energy Generated (MWH)	483945	633165	93075389
19. Unit Service Factor	81.5	36.7	77.0
20. Unit Availability Factor	81.5	36.7	77.0
21. Unit Capacity Factor (Using MDC Net)	76.9	34.3	70.5
22. Unit Capacity Factor (Using DER Net)	73.4	32.7	68.2
23. Unit Forced Outage Rate	0.0	0.0	9.5
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
None			

25. If Shut Down 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

# OPERATING DATA REPORT

DOCKET NO 50-270  
UNIT Oconee 2  
DATE April 15, 1992  
COMPLETED BY R.A. Williams  
TELEPHONE 704-373-5987

MONTH March, 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>6</u>
7	<u>244</u>
8	<u>573</u>
9	<u>692</u>
10	<u>863</u>
11	<u>864</u>
12	<u>863</u>
13	<u>855</u>
14	<u>855</u>
15	<u>854</u>
16	<u>853</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>853</u>
18	<u>854</u>
19	<u>857</u>
20	<u>857</u>
21	<u>857</u>
22	<u>856</u>
23	<u>855</u>
24	<u>855</u>
25	<u>855</u>
26	<u>853</u>
27	<u>854</u>
28	<u>853</u>
29	<u>853</u>
30	<u>853</u>
31	<u>823</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1992

DOCKET NO. 50-270  
 UNIT NAME OCONEE 2  
 DATE 04/15/92  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-373-8559

N O .	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R/X	LICENSE EVENT REPORT NO.	(4) S Y S T E M C O D E	(5) C O M P O N E N T C O D E	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	92- 3- 1	S	74.00	C	--		RC	FUELXX	END OF CYCLE - 12 REFUELING OUTAGE
2	92- 3- 4	S	24.00	A	--		HH	PUMPXX	1 DAY DELAY DUE TO TURBINE DRIVEN EMERGENCY FEEDWATER PUMP PROBLEMS
3	92- 3- 5	S	39.45	B	--		CB	VALVEX	1.5 DAY EXTENSION DUE TO MISCELLANEOUS PRIMARY SYSTEM VALVE WORK
2-P	92- 3- 7	F	--	A	--		HH	XXXXXX	INVESTIGATE FEEDWATER LEAKAGE
3-P	92- 3- 7	F	--	A	--		HH	XXXXXX	HOLD TO INVESTIGATE TEMPERATURE INCREASE IN REACTOR BUILDING SUMP DUE TO FEEDWATER LEAKAGE
4-P	92- 3- 7	F	--	A	--		HH	CKTBKR	INVESTIGATE PROBLEM WITH '2B' FEEDWATER PUMP TRIP/RESET SWITCH

(1)  
 F Forced  
 S Scheduled

(2)  
 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)

(3)  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Other (Explain)

(4)  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets For Licensee  
 Event Report (LER)  
 File (NUREG-0161)

(5)  
 Exhibit I - Same Source



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1992

DOCKET NO. 50-270  
 UNIT NAME OCONEE 2  
 DATE 04/15/92  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-373-8559

N O .	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R/X	LICENSE EVENT REPORT NO.	(4) S Y S T E M C O D E	(5) C O M P O N E N T C O D E	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
5-P	92- 3- 8	S	--	B	--		RB	INSTRU	POWER ESCALATION TESTING

(1)  
F Forced  
S Scheduled

(2)  
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)

(3)  
Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Other (Explain)

(4)  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets For Licensee  
Event Report (LER)  
File (NUREG-0161)

(5)  
Exhibit I - Same Source

DOCKET NO: 50-270

UNIT: Oconee 2

DATE: 4/15/92

#### NARRATIVE SUMMARY

MONTH: March 1992

Oconee Unit 2 began the month of March shut down for its end-of-cycle "12" refueling outage. The unit was placed on-line at 1727 on 03/06 3/6. During power escalation, the unit held at 21% power from 0155 to 0405 on 3/7 to investigate feedwater leakage. Unit held at 26% from 0700 to 1147 on 3/7 due to an increase in the reactor building sump due to feedwater leakage. At 55% power, the unit held from 2145 to 0249 on 3/8 due to "2B" feedwater pump turbine TRIP/RESET switch problems. Unit held at 73% power from 1043 to 1220 on 3/9 for power escalation testing. Unit held at 99% from 2200 to 0110 on 3/10 for nuclear instrumentation calibrations. At 0110 on 3/10, the unit reached 100% full power, and operated at 100% full power for the remainder of the month.

Prepared by: N. C. Simmons  
Telephone: 704-373-8559

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: April 1993
3. Scheduled restart following refueling: June 1993

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: 1002\*  
(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 licensed capacity: October 2013\*\*\*

DUKE POWER COMPANY

DATE: April 15, 1992

Name of Contact: R. A. Williams

Phone: 704-373-5987

\* 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 20 modules (480 spaces). Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1

# OPERATING DATA REPORT

DOCKET NO 50-287  
DATE April 15, 1992  
COMPLETED BY R.A. Williams  
TELEPHONE 704-373-5987

## OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: March 1, 1992-March 31, 1992
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 Occur in Capacity Ratings (Items Number 3 Through 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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2184.0	151584.0
12. Number Of Hours Reactor Was Critical	744.0	2029.5	115762.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	2016.4	114187.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1892712	5045784	282630681
17. Gross Electrical Energy Generated (MWH)	653943	1729159	97412086
18. Net Electrical Energy Generated (MWH)	627373	1652775	92891195
19. Unit Service Factor	100.0	92.3	75.3
20. Unit Availability Factor	100.0	92.3	75.3
21. Unit Capacity Factor (Using MDC Net)	99.7	89.5	71.4
22. Unit Capacity Factor (Using DER Net)	95.2	85.4	69.1
23. Unit Forced Outage Rate	0.0	7.7	11.1

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling - July 15, 1992 - 45 days

25. If Shut Down 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

# OPERATING DATA REPORT

DOCKET NO 50-287  
UNIT Oconee 3  
DATE April 15, 1992  
COMPLETED BY R.A. Williams  
TELEPHONE 704-373-5987

MONTH March, 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>836</u>
2	<u>836</u>
3	<u>837</u>
4	<u>840</u>
5	<u>840</u>
6	<u>841</u>
7	<u>845</u>
8	<u>843</u>
9	<u>844</u>
10	<u>847</u>
11	<u>846</u>
12	<u>845</u>
13	<u>845</u>
14	<u>845</u>
15	<u>845</u>
16	<u>845</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>845</u>
18	<u>845</u>
19	<u>845</u>
20	<u>845</u>
21	<u>845</u>
22	<u>845</u>
23	<u>845</u>
24	<u>845</u>
25	<u>845</u>
26	<u>845</u>
27	<u>845</u>
28	<u>845</u>
29	<u>845</u>
30	<u>845</u>
31	<u>831</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1992

DOCKET NO. 50-287  
 UNIT NAME OCONEE 3  
 DATE 04/15/92  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-373-8559

N O .	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R / X	LICENSE EVENT REPORT NO.	(4) S Y S - T E M C O D E	(5) C O M P O N E N T C O D E	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		NO	SHUTDOWNS	OR		REDUCTION	S		

(1)  
F Forced  
S Scheduled

(2)  
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)

(3)  
Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Other (Explain)

(4)  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets For License  
Event Report (LER)  
File (NUREG-0161)

(5)  
Exhibit I - Same Source

DOCKET NO: 50-287

UNIT: Ocone 3

DATE: 4/15/92

NARRATIVE SUMMARY

MONTH: March 1992

Ocone Unit 3 began the month of March at 100%. The unit operated at 100% for the entire month.

Prepared by: N. C. Simmons  
Telephone: 704-373-8559

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: July 1992
3. Scheduled restart following refueling: August 1992

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: 556  
(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 licensed capacity: July 2014\*\*\*

DUKE POWER COMPANY

DATE: April 15, 1992

Name of Contact: R. A. Williams

Phone: 704-373-5987

\*\* See footnote on Unit 1

\*\*\* This date is based on 88 Dry Storage Modules. We currently have 20 modules (480 spaces). Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1