

# OPERATING DATA REPORT

DOCKET NO 50-269

DATE October 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: September 1, 1998-September 30, 1998
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	720.0	6551.0	220992.0
12. Number Of Hours Reactor Was Critical	720.0	5094.9	170098.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	5046.6	167021.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1846495	12580324	410838309
17. Gross Electrical Energy Generated (MWH)	623551	4342868	141976023
18. Net Electrical Energy Generated (MWH)	594586	4128202	134923266
19. Unit Service Factor	100.0	77.0	75.6
20. Unit Availability Factor	100.0	77.0	75.6
21. Unit Capacity Factor (Using MDC Net)	97.6	74.5	71.4
22. Unit Capacity Factor (Using DER Net)	93.2	71.1	68.9
23. Unit Forced Outage Rate	0.0	23.0	10.3
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

9810200010 981015  
PDR ADOCK 05000269  
R PDR

# OPERATING DATA REPORT

DOCKET NO 50-269  
UNIT Oconee 1  
DATE October 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH September, 1998

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>829</u>
2	<u>829</u>
3	<u>829</u>
4	<u>829</u>
5	<u>825</u>
6	<u>827</u>
7	<u>828</u>
8	<u>827</u>
9	<u>827</u>
10	<u>827</u>
11	<u>828</u>
12	<u>828</u>
13	<u>828</u>
14	<u>828</u>
15	<u>826</u>
16	<u>828</u>

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>828</u>
18	<u>828</u>
19	<u>822</u>
20	<u>821</u>
21	<u>820</u>
22	<u>820</u>
23	<u>819</u>
24	<u>819</u>
25	<u>825</u>
26	<u>827</u>
27	<u>827</u>
28	<u>826</u>
29	<u>826</u>
30	<u>825</u>

REPORT MONTH      September 1998

UNIT NAME O'CONNOR 1

DATE 10/15/98

COMPLETED BY R. A. Williams

TELEPHONE (704)-382-5346

(1) N O .	(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	(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	(6) C A U S E A N D C O R R E C T I V E A C T I O N T O P R E V E N T R E C U R R E N C E
DATE	DURATION HOURS	LICENSE EVENT REPORT NO.			
NO	SHUTDOWNS	OR	REDUCTION	S	

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(1)  F Forced
      S Scheduled
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(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: June 1999
3. Scheduled restart following refueling: July 1999

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: 1094\*  
(c) in the ISFSI: 960\*\*\*\*
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: February 2013\*\*\*

DUKE POWER COMPANY

DATE: October 15, 1998

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\* 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 48 modules (1152 spaces). Additional modules will be built on an as-needed basis.

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

DOCKET: 50 - 269

UNIT: Oconee 1

DATE: 10/15/98

### NARRATIVE SUMMARY

MONTH: September, 1998

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

Prepared by: R. A. Williams  
Telephone: (704) - 382-5346

# OPERATING DATA REPORT

DOCKET NO 50-270

DATE October 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: September 1, 1998-September 30, 1998
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	720.0	6551.0	210912.0
12. Number Of Hours Reactor Was Critical	686.5	4803.6	166876.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	574.4	4618.3	164596.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1457597	11533812	403867839
17. Gross Electrical Energy Generated (MWH)	499465	4011283	138442521
18. Net Electrical Energy Generated (MWH)	472722	3812907	131834972
19. Unit Service Factor	79.8	70.5	78.0
20. Unit Availability Factor	79.8	70.5	78.0
21. Unit Capacity Factor (Using MDC Net)	77.6	68.8	73.1
22. Unit Capacity Factor (Using DER Net)	74.1	65.7	70.5
23. Unit Forced Outage Rate	0.0	5.5	10.0
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 October 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH September, 1998

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>844</u>
2	<u>843</u>
3	<u>842</u>
4	<u>843</u>
5	<u>842</u>
6	<u>840</u>
7	<u>842</u>
8	<u>842</u>
9	<u>842</u>
10	<u>842</u>
11	<u>842</u>
12	<u>842</u>
13	<u>842</u>
14	<u>842</u>
15	<u>842</u>
16	<u>842</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>842</u>
18	<u>786</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>575</u>
26	<u>843</u>
27	<u>845</u>
28	<u>844</u>
29	<u>844</u>
30	<u>807</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1998DOCKET NO. 50-270UNIT NAME OCONEE 2DATE 10/15/98COMPLETED BY R. A. WilliamsTELEPHONE (704)-382-5346

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
25-P	98- 9-18	F	--	A	--		HB	VALVEX	INVESTIGATE SECOND STAGE REHEATER MOISTURE SEPARATOR REHEATER VALVE PROBLEM
8	98- 9-19	S	145.62	A	1		HH	PIPEXX	REPAIR FEEDWATER RISER LINE LEAK
26-P	98- 9-25	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION CHECK
27-P	98- 9-25	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION CHECK

(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



MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2
2. Scheduled next refueling shutdown: November 1999
3. Scheduled restart following refueling: December 1999

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: 1094\*  
(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: October 15, 1998

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

DOCKET: 50 - 270

UNIT: Oconee 2

Date: 10/15/98

### NARRATIVE SUMMARY

MONTH: September, 1998

Oconee Unit 2 began the month of September operating at 100% full power. On 09/18/98 at 2022 the unit began decreasing power to shutdown to repair feedwater riser line leak. The unit held at 59% power from 2204 to 2215 to investigate second stage reheater moisture separator reheater valve indicating throttled. The unit continued decreasing power to shutdown and was taken off-line 09/19/98 at 0025 to repair feedwater riser line leak. The unit was placed on-line 09/25/98 at 0202. During power escalation, the unit held on 09/25/98 at 30% power from 0418 to 0458 and at 65% power from 0835 to 0854 due to nuclear instrumentation calibration checks. The unit returned to 100% full power on 09/25/98 at 1705 and operated at or near 100% full power the remainder of the month.

Prepared by: R. A. Williams  
Telephone: (704) - 382-5346

# OPERATING DATA REPORT

DOCKET NO 50-287

DATE October 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: September 1, 1998-September 30, 1998
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	720.0	6551.0	208559.0
12. Number Of Hours Reactor Was Critical	720.0	6551.0	162829.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6551.0	160479.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1522310	16471151	400101283
17. Gross Electrical Energy Generated (MWH)	517614	5756545	138205801
18. Net Electrical Energy Generated (MWH)	489908	5508256	131817969
19. Unit Service Factor	100.0	100.0	77.0
20. Unit Availability Factor	100.0	100.0	77.0
21. Unit Capacity Factor (Using MDC Net)	80.4	99.4	74.0
22. Unit Capacity Factor (Using DER Net)	76.8	94.9	71.3
23. Unit Forced Outage Rate	0.0	0.0	10.2
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - October 08, 1998 - 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 October 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH September, 1998

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>773</u>
2	<u>766</u>
3	<u>756</u>
4	<u>752</u>
5	<u>741</u>
6	<u>741</u>
7	<u>740</u>
8	<u>740</u>
9	<u>733</u>
10	<u>730</u>
11	<u>724</u>
12	<u>712</u>
13	<u>702</u>
14	<u>696</u>
15	<u>691</u>
16	<u>688</u>

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>674</u>
18	<u>673</u>
19	<u>665</u>
20	<u>656</u>
21	<u>651</u>
22	<u>639</u>
23	<u>636</u>
24	<u>626</u>
25	<u>622</u>
26	<u>613</u>
27	<u>609</u>
28	<u>597</u>
29	<u>581</u>
30	<u>486</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1998DOCKET NO. 50-287UNIT NAME OCONEE 3DATE 10/15/98COMPLETED BY R. A. WilliamsTELEPHONE (704)-382-5346

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-P	98- 9-17	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE
2-P	98- 9-19	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE
3-P	98- 9-24	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE
4-P	98- 9-30	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE
5-P	98- 9-30	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE
6-P	98- 9-30	S	--	H	--		ZZ	FUELXX	CORE COASTDOWN TO MOVE REFUELING OUTAGE

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: October 1998
3. Scheduled restart following refueling: November 1998

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 license capacity: July 2014\*\*\*

DUKE POWER COMPANY

DATE: October 15, 1998

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

DOCKET: 50 - 287

UNIT: Oconee 3

Date: 10/15/98

### NARRATIVE SUMMARY

MONTH: September, 1998

Oconee Unit 3 began the month of September holding at 93% power due to core coastdown to end-of-cycle 17 refueling outage. On 09/01/98 at 2249 the unit resumed decreasing power and held at 81.5%, 79.5%, 75.5%, 67%, 60%, and 45% power due to core coastdown to end-of-cycle 17 refueling outage. The unit ended the month holding at 45% power due to core coastdown to end-of-cycle 17 refueling outage.

Prepared by: R. A Williams  
Telephone: (704) - 382-5346