

# OPERATING DATA REPORT

DOCKET NO 50-269

DATE July 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: June 1, 1998-June 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	4343.0	218784.0
12. Number Of Hours Reactor Was Critical	720.0	3299.9	168303.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	3263.1	165237.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1847111	8047290	406305275
17. Gross Electrical Energy Generated (MWH)	641648	2795298	140428453
18. Net Electrical Energy Generated (MWH)	614148	2658473	133453537
19. Unit Service Factor	100.0	75.1	75.5
20. Unit Availability Factor	100.0	75.1	75.5
21. Unit Capacity Factor (Using MDC Net)	100.8	72.4	71.3
22. Unit Capacity Factor (Using DER Net)	96.3	69.1	68.8
23. Unit Forced Outage Rate	0.0	24.9	10.2
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

9807210050 980714  
PDR ADOCK 05000269  
R PDR

# OPERATING DATA REPORT

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

MONTH June, 1998

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>857</u>
2	<u>857</u>
3	<u>857</u>
4	<u>851</u>
5	<u>841</u>
6	<u>845</u>
7	<u>856</u>
8	<u>856</u>
9	<u>856</u>
10	<u>856</u>
11	<u>855</u>
12	<u>854</u>
13	<u>854</u>
14	<u>855</u>
15	<u>855</u>
16	<u>854</u>

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>854</u>
18	<u>854</u>
19	<u>854</u>
20	<u>854</u>
21	<u>854</u>
22	<u>854</u>
23	<u>853</u>
24	<u>853</u>
25	<u>853</u>
26	<u>852</u>
27	<u>847</u>
28	<u>844</u>
29	<u>851</u>
30	<u>853</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1998

DOCKET NO. 50-269  
UNIT NAME OCONEE 1  
DATE 07/15/98  
COMPLETED BY R. A. Williams  
TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	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

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: July 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: 07/15/98

### NARRATIVE SUMMARY

MONTH: June, 1998

Oconee Unit 1 began the month of June 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 July 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: June 1, 1998-June 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	4343.0	208704.0
12. Number Of Hours Reactor Was Critical	680.6	2629.1	164701.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	657.7	2555.9	162534.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1647423	6256880	398590907
17. Gross Electrical Energy Generated (MWH)	574502	2187691	136618929
18. Net Electrical Energy Generated (MWH)	547471	2074520	130096585
19. Unit Service Factor	91.3	58.9	77.9
20. Unit Availability Factor	91.3	58.9	77.9
21. Unit Capacity Factor (Using MDC Net)	89.9	56.5	72.9
22. Unit Capacity Factor (Using DER Net)	85.8	53.9	70.3
23. Unit Forced Outage Rate	8.7	9.5	10.1
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 July 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH June, 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>680</u>
2	<u>692</u>
3	<u>456</u>
4	<u>0</u>
5	<u>0</u>
6	<u>346</u>
7	<u>861</u>
8	<u>864</u>
9	<u>864</u>
10	<u>864</u>
11	<u>864</u>
12	<u>865</u>
13	<u>865</u>
14	<u>865</u>
15	<u>864</u>
16	<u>864</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>864</u>
18	<u>864</u>
19	<u>864</u>
20	<u>864</u>
21	<u>864</u>
22	<u>864</u>
23	<u>864</u>
24	<u>864</u>
25	<u>865</u>
26	<u>864</u>
27	<u>864</u>
28	<u>864</u>
29	<u>864</u>
30	<u>831</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1998DOCKET NO. 50-270UNIT NAME OCONEE 2DATE 07/15/98COMPLETED 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
20-P	98- 6- 1	F	--	A	--		HB	PUMPXX	LOW MAIN FEEDWATER PUMP SUCTION
21-P	98- 6- 2	F	--	A	--		HJ	PUMPXX	HOLDING AT 83% POWER TO REPAIR HEATER DRAIN PUMP
7	98- 6- 3	F	62.27	A	3		HH	HTEXCH	(TURBINE/REACTOR TRIP) LOW MAIN CONDENSER VACUUM
22-P	98- 6- 6	F	--	A	--		ZZ	XXXXXX	HOLDING AT 15% POWER DUE TO SHIFT CHANGE
23-P	98- 6- 6	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION CHECK
24-P	98- 6- 6	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: July 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

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: July 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: 07/15/98

### NARRATIVE SUMMARY

MONTH: June, 1998

Oconee Unit 2 began the month of June holding at 81% power due to "2D1" heater drain pump repair. The unit began power escalation on 06/01/98 at 0154 and held at 82% power from 0214 to 0218 due to low main feedwater pump suction and condensate booster pump flow. The unit decreased power to stabilize plant and held at 80% power from 0230 to 1735 due to low main feedwater pump suction and condensate booster pump flow. The unit began increasing power on 06/01/98 at 1735 and held at 83% power from 06/02/98 at 1857 to 06/03/98 at 1609 to repair heater drain pump. The unit experienced a turbine/reactor trip on 06/03/98 at 1609 due to low main condenser vacuum. The unit was placed on-line 06/06/98 at 0625 and held at 15% power due to shift change. The unit commenced power escalation on 06/06/98 at 0854. The unit held at 29% power from 1002 to 1125 and the unit held at 65% power from 1510 to 1525 due to nuclear instrumentation calibration checks. The unit returned to 100% full power on 06/07/98 at 0242 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 July 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: June 1, 1998-June 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	4343.0	206351.0
12. Number Of Hours Reactor Was Critical	720.0	4343.0	160621.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4343.0	158271.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1847727	11149228	394779360
17. Gross Electrical Energy Generated (MWH)	647784	3932450	136381706
18. Net Electrical Energy Generated (MWH)	620824	3769576	130079289
19. Unit Service Factor	100.0	100.0	76.7
20. Unit Availability Factor	100.0	100.0	76.7
21. Unit Capacity Factor (Using MDC Net)	101.9	102.6	73.8
22. Unit Capacity Factor (Using DER Net)	97.3	98.0	71.1
23. Unit Forced Outage Rate	0.0	0.0	10.3

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

Refueling - October 16, 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 July 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH June, 1998

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>865</u>
2	<u>865</u>
3	<u>865</u>
4	<u>865</u>
5	<u>865</u>
6	<u>865</u>
7	<u>865</u>
8	<u>865</u>
9	<u>864</u>
10	<u>864</u>
11	<u>864</u>
12	<u>864</u>
13	<u>864</u>
14	<u>864</u>
15	<u>864</u>
16	<u>863</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
17	<u>863</u>
18	<u>863</u>
19	<u>863</u>
20	<u>863</u>
21	<u>862</u>
22	<u>862</u>
23	<u>861</u>
24	<u>861</u>
25	<u>861</u>
26	<u>861</u>
27	<u>860</u>
28	<u>859</u>
29	<u>857</u>
30	<u>838</u>

## REPORT MONTH June 1998

UNIT NAME OCONEE 3

DATE 07/15/98

DATE 3/7/58  
COMPLETED BY R. A. Williams

TELEPHONE (704) - 382-5346

(1)	F Forced	(2)	Reason:	(3)	Method:	(4)	Exhibit G - Instructions
	S Scheduled		A-Equipment Failure (Explain)		1-Manual		for Preparation of Data
			B-Maintenance or test		2-Manual Scram		Entry Sheets For License
			C-Refueling		3-Automatic Scram		Event Report (LER)
			D-Regulatory Restriction		4-Other (Explain)		File (NUREG-0161)
			E-Operator Training & License Examination			(5)	Exhibit I - Same Source
			F-Administrative				
			G-Operator Error (Explain)				
			H-Other (Explain)				

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: July 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: 07/15/98

#### NARRATIVE SUMMARY

MONTH: June, 1998

Oconee Unit 3 began the month of June 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