

# OPERATING DATA REPORT

DOCKET NO 50-269

DATE September 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: August 1, 1998-August 31, 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	744.0	5831.0	220272.0
12. Number Of Hours Reactor Was Critical	330.9	4374.9	169378.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	319.5	4326.6	166301.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	777180	10733829	408991814
17. Gross Electrical Energy Generated (MWH)	263200	3719317	141352472
18. Net Electrical Energy Generated (MWH)	244117	3533616	134328680
19. Unit Service Factor	42.9	74.2	75.5
20. Unit Availability Factor	42.9	74.2	75.5
21. Unit Capacity Factor (Using MDC Net)	38.8	71.6	71.3
22. Unit Capacity Factor (Using DER Net)	37.0	68.4	68.8
23. Unit Forced Outage Rate	57.1	25.8	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: NONE

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

9809230075 980915  
PDR ADOCK 05000269  
R PDR

# OPERATING DATA REPORT

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

MONTH August, 1998

DAY      AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>840</u>
2	<u>842</u>
3	<u>841</u>
4	<u>841</u>
5	<u>827</u>
6	<u>839</u>
7	<u>839</u>
8	<u>214</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY      AVERAGE DAILY-POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</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>0</u>
26	<u>285</u>
27	<u>737</u>
28	<u>830</u>
29	<u>830</u>
30	<u>829</u>
31	<u>829</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269

UNIT NAME OCONEE 1

DATE 09/15/98

COMPLETED BY R. A. Williams

TELEPHONE (704)-382-5346

REPORT MONTH August 1998

PAGE 1 OF 2

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
21-P	98- 8- 8	F	--	F	--		ZZ	ZZZZZZ	HOLDING AT 45% POWER FOR SHIFT TURNOVER
22-P	98- 8- 8	F	--	A	--		ED	XXXXXX	HOLDING AT 28% POWER TO SWAP AUXILIARIES TO "CT-1"
23-P	98- 8- 8	F	--	A	--		HJ	DEMINX	SWAP POWDEX CELL
4	98- 8- 8	F	424.50	A	1		CG	PUMPXX	REPAIR "1A2" REACTOR COOLANT PUMP HIGH SEAL FLOW
24-P	98- 8-26	S	--	B	--		RB	CRDRVE	CONTROL ROD MOVEMENT PERFORMANCE TESTING
25-P	98- 8-26	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION CHECK
26-P	98- 8-26	F	--	A	--		HH	PUMPXX	HOLDING AT 30% POWER TO PLACE "1B" HOTWELL PUMPS INSERVICE

- (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

DOCKET NO. 50-269

UNIT NAME OCONEE 1

DATE 09/15/98

COMPLETED BY R. A. Williams

TELEPHONE (704)-382-5346

PAGE 2 OF 2

REPORT MONTH August 1998

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
27-P	98- 8-26	F	--	F	--		ZZ	ZZZZZZ	HOLDING AT 36% POWER FOR SHIFT TURNOVER
28-P	98- 8-26	F	--	A	--		RB	CRDRVE	CONTROL ROD DRIVE OUT INHIBIT ALARM
29-P	98- 8-26	F	--	A	--		RB	CRDRVE	CONTROL ROD DRIVE OUT INHIBIT ALARM

(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 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: September 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: 09/15/98

### NARRATIVE SUMMARY

MONTH: August, 1998

Oconee Unit 1 began the month of August operating at 100% full power. On 08/08/98 at 0431 the unit began decreasing power to cold shutdown to repair "1A2" reactor coolant pump high seal flow and "1B1" reactor coolant pump low oil level problems. The unit held at 45% power on 08/08/98 from 0621 to 0726 due to shift turnover. The unit resumed decreasing power and held at 28% power from 0800 to 0808 to swap auxiliaries to "CT1". The unit held at 25% power from 0816 to 0826 to swap powdex cell. The unit was taken off-line on 08/08/98 at 0911 to repair "1A2" reactor coolant pump high seal flow and "1B1" reactor coolant pump low oil level problems. The unit was placed on-line 08/26/98 at 0141 and held at 15% power until 0424 to perform control rod movement performance testing. The unit began increasing power and held at 25% power from 0512 to 0524 due to nuclear instrumentation calibration check. On 08/26/98 at 0556 to 0617 the unit held at 30% power to place "1B" hotwell pumps inservice and "1B" condensate booster pumps inservice. During power escalation, the unit held at 60% power from 1100 to 1215 due to control rod drive out inhibit alarm. The unit decreased power and held at 50% power from 08/26/98 at 1228 to 08/27/98 at 0151 to clear control rod drive out inhibit alarm. The unit returned to 100% full power on 08/27/98 at 1305 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 50-270

DATE September 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: August 1, 1998-August 31, 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	744.0	5831.0	210192.0
12. Number Of Hours Reactor Was Critical	744.0	4117.1	166189.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	4043.9	164022.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1909359	10076215	402410242
17. Gross Electrical Energy Generated (MWH)	657127	3511818	137943056
18. Net Electrical Energy Generated (MWH)	627820	3340185	131362250
19. Unit Service Factor	100.0	69.3	78.0
20. Unit Availability Factor	100.0	69.3	78.0
21. Unit Capacity Factor (Using MDC Net)	99.8	67.7	73.1
22. Unit Capacity Factor (Using DER Net)	95.2	64.7	70.5
23. Unit Forced Outage Rate	0.0	6.3	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: NONE

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 September 15, 1998  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH August, 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>846</u>
2	<u>851</u>
3	<u>850</u>
4	<u>850</u>
5	<u>849</u>
6	<u>848</u>
7	<u>848</u>
8	<u>847</u>
9	<u>847</u>
10	<u>845</u>
11	<u>845</u>
12	<u>844</u>
13	<u>844</u>
14	<u>844</u>
15	<u>844</u>
16	<u>843</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>844</u>
18	<u>845</u>
19	<u>846</u>
20	<u>846</u>
21	<u>846</u>
22	<u>846</u>
23	<u>841</u>
24	<u>836</u>
25	<u>837</u>
26	<u>845</u>
27	<u>845</u>
28	<u>844</u>
29	<u>844</u>
30	<u>844</u>
31	<u>805</u>



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1998DOCKET NO. 50-270UNIT NAME OCONEE 2DATE 09/15/98COMPLETED 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
		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 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: September 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: 09/15/98

#### NARRATIVE SUMMARY

MONTH: August, 1998

Oconee Unit 2 began the month of August 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 50-287

DATE September 15, 1998

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: August 1, 1998-August 31, 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	744.0	5831.0	207839.0
12. Number Of Hours Reactor Was Critical	744.0	5831.0	162109.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	5831.0	159759.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1889637	14948841	398578973
17. Gross Electrical Energy Generated (MWH)	642956	5238931	137688187
18. Net Electrical Energy Generated (MWH)	614162	5018348	131328061
19. Unit Service Factor	100.0	100.0	76.9
20. Unit Availability Factor	100.0	100.0	76.9
21. Unit Capacity Factor (Using MDC Net)	97.6	101.7	73.9
22. Unit Capacity Factor (Using DER Net)	93.2	97.1	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 09, 1998 - 45 DAYS

25. If Shut Down At End Of Report Period. Estimated Date of Startup: NONE

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 September 15, 1998  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH August, 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>847</u>	17	<u>833</u>
2	<u>846</u>	18	<u>833</u>
3	<u>845</u>	19	<u>833</u>
4	<u>845</u>	20	<u>830</u>
5	<u>844</u>	21	<u>829</u>
6	<u>843</u>	22	<u>829</u>
7	<u>843</u>	23	<u>824</u>
8	<u>838</u>	24	<u>812</u>
9	<u>834</u>	25	<u>809</u>
10	<u>834</u>	26	<u>804</u>
11	<u>835</u>	27	<u>798</u>
12	<u>834</u>	28	<u>792</u>
13	<u>835</u>	29	<u>790</u>
14	<u>835</u>	30	<u>783</u>
15	<u>835</u>	31	<u>763</u>
16	<u>834</u>		

## REPORT MONTH August 1998

DOCKET NO. 50-287  
UNIT NAME OCONEE 3  
DATE 09/15/98  
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.			
	SHUTDOWNS	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 Licensee  
Event Report (LER)  
File (NUREG-0161)
- (5) Exhibit I - Same Source



DOCKET: 50 - 287

UNIT: Oconee 3

Date: 09/15/98

### NARRATIVE SUMMARY

MONTH: August, 1998

Oconee Unit 3 began the month of August 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