

OPERATING DATA REPORT

DOCKET NO 50-269  
 DATE December 15, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: November 1, 1993-November 30, 1993
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	8016.0	178633.0
12. Number Of Hours Reactor Was Critical	695.8	7184.0	137978.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	692.5	7090.9	135297.7
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1670832	17937960	331685590
17. Gross Electrical Energy Generated (MWH)	575320	6167137	114706782
18. Net Electrical Energy Generated (MWH)	548147	5885399	108972832
19. Unit Service Factor	96.2	88.5	75.7
20. Unit Availability Factor	96.2	88.5	75.7
21. Unit Capacity Factor (Using MDC Net)	90.0	86.8	71.2
22. Unit Capacity Factor (Using DER Net)	85.9	82.9	68.8
23. Unit Forced Outage Rate	3.8	2.4	10.5
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - April 28, 1994 - 55 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

9312210006 931215  
 PDR ADOCK 05000269  
 R PDR

OPERATING DATA REPORT

DOCKET NO 50-269  
 UNIT Oconee 1  
 DATE December 15, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH November, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>728</u>	17	<u>850</u>
2	<u>728</u>	18	<u>850</u>
3	<u>0</u>	19	<u>850</u>
4	<u>432</u>	20	<u>850</u>
5	<u>838</u>	21	<u>850</u>
6	<u>841</u>	22	<u>850</u>
7	<u>843</u>	23	<u>850</u>
8	<u>753</u>	24	<u>851</u>
9	<u>531</u>	25	<u>850</u>
10	<u>531</u>	26	<u>850</u>
11	<u>531</u>	27	<u>850</u>
12	<u>798</u>	28	<u>850</u>
13	<u>843</u>	29	<u>850</u>
14	<u>845</u>	30	<u>851</u>
15	<u>848</u>		
16	<u>851</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1993

DOCKET NO. 50-269  
 UNIT NAME OCONEE 1  
 DATE 12/15/93  
 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
10	93-11- 3	F	27.50	A	3		HB	TURBIN	(REACTOR/TURBINE TRIP) MAIN STEAM STOP VALAVES #3 & #4 CLOSING
17-P	93-11- 4	F	--	A	--		HJ	PUMPXX	REPAIR 1D1 HEATER DRAIN PUMP
18-P	93-11- 8	F	--	A	--		HH	PUMPXX	1B MAIN FEEDWATER PUMP

(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: 50-269

UNIT: Oconee 1

Date: 12/15/93

### NARRATIVE SUMMARY

MONTH: November 1993

Oconee Unit 1 began the month of November operating at or near 100% full power. On 11/03/93 at 0100 the unit experienced a reactor/turbine trip when main steam stop valves 3 and 4 closed. The unit was placed on-line on 11/04/93 at 0430. The unit held at 82% power on 11/04/93 at 1430 to complete repairs on 1D1 heater drain pump and returned to full power on 11/04/93 at 2222. Unit began power decrease on 11/08/93 at 1636 to investigate control problems with 1B main feedwater pump. Began power increase to 64% power on 11/08/93 at 1930 and stopped reactor power increase at 64% to repair a broken gear in shaft driven oil cooling system of 1B main feedwater pump. Unit was returned to 100% power on 11/12/93 at 0112 and operated at or near 100% for the remainder of the month.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: April 1994
3. Scheduled restart following refueling: June 1994

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: 1022\*  
(c) in the ISFSI: 576\*\*\*\*
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: December 15, 1993

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 60 modules (1440 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 December 15, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: November 1, 1993-November 30, 1993
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	8016.0	168553.0
12. Number Of Hours Reactor Was Critical	720.0	6678.4	133252.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6609.8	131392.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1848960	16896456	319504766
17. Gross Electrical Energy Generated (MWH)	643979	5857780	109210324
18. Net Electrical Energy Generated (MWH)	616742	5594065	103980019
19. Unit Service Factor	100.0	82.5	78.0
20. Unit Availability Factor	100.0	82.5	78.0
21. Unit Capacity Factor (Using MDC Net)	101.3	82.5	72.0
22. Unit Capacity Factor (Using DER Net)	96.7	78.8	69.6
23. Unit Forced Outage Rate	0.0	0.7	8.9
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

OPERATING DATA REPORT

DOCKET NO 50-270  
 UNIT Oconee 2  
 DATE December 15, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH November, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>855</u>	17	<u>858</u>
2	<u>855</u>	18	<u>858</u>
3	<u>856</u>	19	<u>858</u>
4	<u>856</u>	20	<u>857</u>
5	<u>856</u>	21	<u>858</u>
6	<u>857</u>	22	<u>858</u>
7	<u>857</u>	23	<u>858</u>
8	<u>857</u>	24	<u>858</u>
9	<u>857</u>	25	<u>858</u>
10	<u>857</u>	26	<u>858</u>
11	<u>858</u>	27	<u>858</u>
12	<u>857</u>	28	<u>858</u>
13	<u>858</u>	29	<u>858</u>
14	<u>858</u>	30	<u>837</u>
15	<u>857</u>		
16	<u>858</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1993

DOCKET NO. 50-270  
 UNIT NAME OCONEE 2  
 DATE 12/15/93  
 COMPLETED BY R. A. WILLIAMS  
 TELEPHONE (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	L I C E N S E E V E N T R E P O R T N O.	(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	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
		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: 50-270

UNIT: Oconee 2

Date: 12/15/93

#### NARRATIVE SUMMARY

MONTH: November 1993

Oconee Unit 2 began the month of November 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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: September 1994
3. Scheduled restart following refueling: November 1994

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: 1022\*  
(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: December 15, 1993

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 60 modules (1440 spaces). Additional modules will be built on an as needed basis.

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

OPERATING DATA REPORT

DOCKET NO 50-287

DATE December 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: November 1, 1993-November 30, 1993
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	8016.0	166200.0
12. Number Of Hours Reactor Was Critical	720.0	8002.3	128537.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	7998.6	126805.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1850184	20516064	314731713
17. Gross Electrical Energy Generated (MWH)	643574	7161721	108561579
18. Net Electrical Energy Generated (MWH)	616081	6861480	103545491
19. Unit Service Factor	100.0	99.8	76.3
20. Unit Availability Factor	100.0	99.8	76.3
21. Unit Capacity Factor (Using MDC Net)	101.1	101.2	72.7
22. Unit Capacity Factor (Using DER Net)	96.6	96.6	70.3
23. Unit Forced Outage Rate	0.0	0.2	10.4
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - December 28, 1993 - 55 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 December 15, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH November, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (NWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (NWe-Net)</u>
1	<u>855</u>	17	<u>859</u>
2	<u>856</u>	18	<u>859</u>
3	<u>849</u>	19	<u>859</u>
4	<u>853</u>	20	<u>859</u>
5	<u>857</u>	21	<u>859</u>
6	<u>857</u>	22	<u>859</u>
7	<u>857</u>	23	<u>859</u>
8	<u>858</u>	24	<u>859</u>
9	<u>858</u>	25	<u>859</u>
10	<u>858</u>	26	<u>859</u>
11	<u>852</u>	27	<u>859</u>
12	<u>842</u>	28	<u>859</u>
13	<u>843</u>	29	<u>859</u>
14	<u>857</u>	30	<u>836</u>
15	<u>859</u>		
16	<u>859</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1993

DOCKET NO. 50-287  
 UNIT NAME OCONEE 3  
 DATE 12/15/93  
 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) SYSTEM 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

DOCKET: 50-287

UNIT: Oconee 3

Date: 12/15/93

#### NARRATIVE SUMMARY

MONTH: November, 1993

Oconee Unit 3 began the month of November operating at 100% full power. On 11/11/93 at 1514 the unit began power reduction to 98% due to increased flux flow imbalance. Unit returned to 100% power on 11/13/93 at 0437.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: December 1993
3. Scheduled restart following refueling: February 1994

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: 468  
(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: December 15, 1993

Name of Contact: R. A. Williams

Phone: 704-382-5346

\*\* See footnote on Unit 1

\*\*\* This date is based on 88 Dry Storage Modules. We currently have 60 modules (1440 spaces). Additional modules will be built on an as needed basis.

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