

OPERATING DATA REPORT

DOCKET NO 50-269

DATE March 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: February 1, 1993-February 28, 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	672.0	1416.0	172033.0
12. Number Of Hours Reactor Was Critical	672.0	672.0	131466.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	615.5	615.5	128822.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1470528	1470528	315218158
17. Gross Electrical Energy Generated (MWH)	502576	502576	109042221
18. Net Electrical Energy Generated (MWH)	478097	471978	103559411
19. Unit Service Factor	91.6	43.5	74.9
20. Unit Availability Factor	91.6	43.5	74.9
21. Unit Capacity Factor (Using MDC Net)	84.1	39.4	70.2
22. Unit Capacity Factor (Using DER Net)	80.3	37.6	67.9
23. Unit Forced Outage Rate	7.0	7.3	10.8
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

9303220104 930315
PDR ADOCK 05000269
R PDR

OPERATING DATA REPORT

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

MONTH February, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>0</u>	17	<u>852</u>
2	<u>106</u>	18	<u>858</u>
3	<u>487</u>	19	<u>861</u>
4	<u>811</u>	20	<u>860</u>
5	<u>562</u>	21	<u>681</u>
6	<u>0</u>	22	<u>859</u>
7	<u>344</u>	23	<u>859</u>
8	<u>784</u>	24	<u>859</u>
9	<u>848</u>	25	<u>859</u>
10	<u>848</u>	26	<u>859</u>
11	<u>845</u>	27	<u>859</u>
12	<u>847</u>	28	<u>859</u>
13	<u>847</u>		
14	<u>845</u>		
15	<u>847</u>		
16	<u>837</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269

UNIT NAME OCONEE 1

DATE 03/15/93

COMPLETED BY N. C. SIMMONS

TELEPHONE (704)-382-5263

REPORT MONTH February 1993

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
4	93- 2- 1	F	17.48	A	3		RB	CONROD	OUTAGE EXTENSION DUE TO CONTROL ROD POSITION INDICATION PROBLEMS
1-P	93- 2- 1	S	--	B	--		HA	TURBIN	HOLD DUE TO MAIN TURBINE HIGH VIBRATION
5	93- 2- 1	S	8.17	B	--		HA	TURBIN	MAIN TURBINE HIGH VIBRATION
2-P	93- 2- 2	S	--	B	--		HA	TURBIN	HOLD FOR TURBINE OVERSPEED TRIP TEST
6	93- 2- 2	S	2.07	B	--		HA	TURBIN	TURBINE OVERSPEED TRIP TEST
3-P	93- 2- 2	F	--	B	--		HA	TURBIN	TURBINE HIGH VIBRATION
4-P	93- 2- 2	F	--	B	--		HA	TURBIN	TURBINE HIGH VIBRATION
5-P	93- 2- 3	S	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION

(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 03/15/93

COMPLETED BY N. C. SIMMONS

TELEPHONE (704)-382-5263

REPORT MONTH February 1993

PAGE 2 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
6-P	93- 2- 3	S	--	B	--		IA	INSTRU	POWER ESCALATION TESTING
7	93- 2- 5	F	28.78	A	--		HA	TURBIN	TURBINE GENERATOR BEARING #12 REPLACEMENT
7-P	93- 2- 7	F	--	B	--		HA	TURBIN	HIGH VIBRATION ON TURBINE BEARINGS 7 AND 8
8-P	93- 2- 7	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
9-P	93- 2- 8	F	--	B	--		CB	INSTRU	REACTOR COOLANT SYSTEM LEAK CALCULATION
10-P	93- 2-21	F	--	B	--		CG	PUMPXX	STANDBY SHUTDOWN FACILITY REACTOR COOLANT MAKEUP PUMP WORK

(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: 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: 986*
(c) in the ISFSI: 504****
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: March 15, 1993

Name of Contact: N. C. Simmons

Phone: 704-382-5263

* 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

DOCKET: 50-269

UNIT: Oconee 1

Date: 03/15/93

NARRATIVE SUMMARY

MONTH: February 1993

Oconee Unit 1 began the month of February in end-of-cycle 14 refueling outage. The outage was extended by 19.98 hours due to the control rod position indication problems. The refueling outage had a duration of 60.67 days. The unit started power escalation on 2/1 at 1729. The unit was taken off-line from 2/1 at 1809 to 2/2 at 0219 due to main turbine high vibration. The unit was taken off-line from 2/2 at 0801 to 1005 for the turbine overspeed trip test. During power escalation, the unit held at 19% power from 2/2 at 1143 to 1204 due to main turbine vibration problems. The unit was reduced to 15% power to evaluate main turbine high vibration problem. The unit was held at 15% power from 2/2 at 1214 to 1401. During power escalation, the unit held at 44% power from 2/3 at 0010 to 0450 for nuclear instrumentation calibrations and at 73% power from 2/3 at 1701 to 2235 for power escalation testing. The unit reached 100% power on 2/4 at 1410. The unit started a power decrease on 2/5 at 1332 to replace turbine bearing number 12, the unit was taken off-line on 2/5 at 1822. The unit was off-line until 2/6 at 2309. During power escalation, the unit held at 21% power from 2/7 at 0136 to 0242 due to high vibration on bearings 7 and 8. The unit held at 65% power from 2/7 at 2051 to 2100 for nuclear instrumentation calibrations and at 73% power from 2/8 at 0013 to 0143 to perform reactor coolant system leakage calculation. The unit reached 100% full power on 2/8 at 1438. The unit operated at or near 100% until 2/21 at 0330 when the unit started a power decrease. The unit held at 54% power from 2/21 at 0518 to 1232 for standby shutdown facility reactor coolant makeup pump work. The unit was returned to 100% power on 2/21 at 2115. The unit operated at or near 100% power for the remainder of the month.

Prepared by N. C. Simmons
Telephone: 704-382-5263

OPERATING DATA REPORT

DOCKET NO 50-270

DATE March 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: February 1, 1993-February 28, 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	672.0	1416.0	161953.0
12. Number Of Hours Reactor Was Critical	672.0	1416.0	127990.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	672.0	1416.0	126199.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1727544	3640608	306248918
17. Gross Electrical Energy Generated (MWH)	603375	1270881	104623425
18. Net Electrical Energy Generated (MWH)	578634	1218407	99604361
19. Unit Service Factor	100.0	100.0	77.9
20. Unit Availability Factor	100.0	100.0	77.9
21. Unit Capacity Factor (Using MDC Net)	101.8	101.7	71.7
22. Unit Capacity Factor (Using DER Net)	97.2	97.1	69.4
23. Unit Forced Outage Rate	0.0	0.0	9.2
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - April 28, 1993 - 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 50-270
UNIT Oconee 2
DATE March 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH February, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>850</u>	17	<u>862</u>
2	<u>859</u>	18	<u>862</u>
3	<u>861</u>	19	<u>862</u>
4	<u>862</u>	20	<u>863</u>
5	<u>865</u>	21	<u>861</u>
6	<u>865</u>	22	<u>862</u>
7	<u>865</u>	23	<u>862</u>
8	<u>865</u>	24	<u>861</u>
9	<u>864</u>	25	<u>862</u>
10	<u>863</u>	26	<u>862</u>
11	<u>863</u>	27	<u>863</u>
12	<u>863</u>	28	<u>830</u>
13	<u>863</u>		
14	<u>862</u>		
15	<u>862</u>		
16	<u>862</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1993

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 03/15/93
 COMPLETED BY N. C. SIMMONS
 TELEPHONE (704)-382-5263

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

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: 986*
(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: March 15, 1993

Name of Contact: N. C. Simmons

Phone: 704-382-5263

* 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

DOCKET: 50-270

UNIT: Oconee 2

Date: 03/15/93

NARRATIVE SUMMARY

MONTH: February 1993

Oconee Unit 2 began the month of February operating at 100% full power. The unit operated at or near 100% full power for the entire month.

Prepared by N. C. Simmons
Telephone: 704-382-5263

OPERATING DATA REPORT

DOCKET NO 50-287

DATE March 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: February 1, 1993-February 28, 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	672.0	1416.0	159600.0
12. Number Of Hours Reactor Was Critical	672.0	1402.3	121937.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	672.0	1398.6	120205.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1702272	3548160	297763809
17. Gross Electrical Energy Generated (MWH)	605092	1255294	102655152
18. Net Electrical Energy Generated (MWH)	581067	1204550	97888561
19. Unit Service Factor	100.0	98.8	75.3
20. Unit Availability Factor	100.0	98.8	75.3
21. Unit Capacity Factor (Using MDC Net)	102.2	100.6	71.6
22. Unit Capacity Factor (Using DER Net)	97.6	96.0	69.2
23. Unit Forced Outage Rate	0.0	1.2	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

OPERATING DATA REPORT

DOCKET NO 50-287
UNIT Oconee 3
DATE March 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH February, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>866</u>
2	<u>868</u>
3	<u>868</u>
4	<u>868</u>
5	<u>868</u>
6	<u>868</u>
7	<u>868</u>
8	<u>868</u>
9	<u>868</u>
10	<u>868</u>
11	<u>868</u>
12	<u>869</u>
13	<u>869</u>
14	<u>869</u>
15	<u>869</u>
16	<u>869</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>869</u>
18	<u>868</u>
19	<u>868</u>
20	<u>869</u>
21	<u>777</u>
22	<u>868</u>
23	<u>869</u>
24	<u>868</u>
25	<u>869</u>
26	<u>869</u>
27	<u>869</u>
28	<u>856</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1993

DOCKET NO. 50-287
 UNIT NAME OCONEE 3
 DATE 03/15/93
 COMPLETED BY N. C. SIMMONS
 TELEPHONE (704)-382-5263

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
2-P	93- 2-21	F	--	B	--		CG	PUMPXX	STANDBY SHUTDOWN FACILITY REACTOR COOLANT MAKEUP PUMP WORK

(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 3
2. Scheduled next refueling shutdown: January 1994
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: 516
(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: March 15, 1993

Name of Contact: N. C. Simmons

Phone: 704-382-5263

** 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

DOCKET: 50-287

UNIT: Oconee 3

Date: 03/15/93

NARRATIVE SUMMARY

MONTH: February 1993

Oconee Unit 3 began the month of February operating at 100% full power. The unit operated at or near 100% full power until 2/21 at 1242 when the unit started a power decrease. The unit was held at 55% power from 2/21 at 1450 to 1530 for standby shutdown facility reactor coolant makeup pump work. The unit reached 100% power on 2/22 at 0030. The unit operated at or near 100% power for the remainder of the month.

Prepared by N. C. Simmons
Telephone: 704-382-5263