

OPERATING DATA REPORT

DOCKET NO 50-269

DATE January 15, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: December 1, 1989-December 31, 1989
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	8760.0	144313.0
12. Number Of Hours Reactor Was Critical	744.0	7370.9	108146.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	7266.0	105712.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1781784	18172800	256714074
17. Gross Electrical Energy Generated (MWH)	655730	6242156	88885087
18. Net Electrical Energy Generated (MWH)	627030	5943127	84346419
19. Unit Service Factor	100.0	83.0	73.3
20. Unit Availability Factor	100.0	83.0	73.3
21. Unit Capacity Factor (Using MDC Net)	99.6	80.2	68.0
22. Unit Capacity Factor (Using DER Net)	95.1	76.6	65.9
23. Unit Forced Outage Rate	0.0	3.5	12.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - April 15, 1990 - 6 weeks			

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

9001300174 900115
PDR ADOCK 05000269
R PDC

OPERATING DATA REPORT

DOCKET NO 50-269
UNIT Oconee 1
DATE January 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH December, 1989

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>856</u>
2	<u>856</u>
3	<u>857</u>
4	<u>857</u>
5	<u>858</u>
6	<u>858</u>
7	<u>857</u>
8	<u>857</u>
9	<u>856</u>
10	<u>857</u>
11	<u>857</u>
12	<u>857</u>
13	<u>856</u>
14	<u>855</u>
15	<u>849</u>
16	<u>847</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
17	<u>850</u>
18	<u>847</u>
19	<u>847</u>
20	<u>851</u>
21	<u>852</u>
22	<u>851</u>
23	<u>848</u>
24	<u>854</u>
25	<u>855</u>
26	<u>855</u>
27	<u>858</u>
28	<u>859</u>
29	<u>859</u>
30	<u>846</u>
31	<u>506</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1989

DOCKET NO. 50-269
 UNIT NAME OCONEE 1
 DATE 01/15/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

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
32-P	89-12-30	S	--	F	--		ZZ	ZZZZZZ	REDUCTION PER DISPATCHER REQUEST

(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 NO: 50-269

UNIT: Ocone 1

DATE: 01/15/90

NARRATIVE SUMMARY

Month: December 1989

Ocone Unit 1 began the month of December operating at 100% full power. At 2138 on 12/30, the unit began a power reduction to 60% per dispatcher request. The unit ended the month operating at 60% power.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: April 1990
3. Scheduled restart following refueling: May 1990
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

If yes, what will these be? _____

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
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: 1036**
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: January, 1993

DUKE POWER COMPANY

DATE: January 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

**On March 31, 1988, submitted a license application for an ISFSI which will store 2112 assemblies.

OPERATING DATA REPORT

DOCKET NO 50-270

DATE January 15, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: December 1, 1989-December 31, 1989
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	8760.0	134233.0
12. Number Of Hours Reactor Was Critical	744.0	7385.9	103079.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	7274.8	101449.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1873608	18378888	243179222
17. Gross Electrical Energy Generated (MWH)	661442	6300245	82793789
18. Net Electrical Energy Generated (MWH)	633934	6009565	78744917
19. Unit Service Factor	100.0	83.1	75.6
20. Unit Availability Factor	100.0	83.1	75.6
21. Unit Capacity Factor (Using MDC Net)	100.7	81.1	68.2
22. Unit Capacity Factor (Using DER Net)	96.2	77.4	66.1
23. Unit Forced Outage Rate	0.0	4.4	10.7
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

OPERATING DATA REPORT

DOCKET NO 50-270
UNIT Oconee 2
DATE January 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH December, 1989

<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>839</u>	17	<u>855</u>
2	<u>839</u>	18	<u>855</u>
3	<u>839</u>	19	<u>854</u>
4	<u>839</u>	20	<u>855</u>
5	<u>840</u>	21	<u>854</u>
6	<u>848</u>	22	<u>855</u>
7	<u>855</u>	23	<u>855</u>
8	<u>855</u>	24	<u>851</u>
9	<u>855</u>	25	<u>854</u>
10	<u>856</u>	26	<u>855</u>
11	<u>854</u>	27	<u>855</u>
12	<u>855</u>	28	<u>855</u>
13	<u>855</u>	29	<u>855</u>
14	<u>855</u>	30	<u>855</u>
15	<u>855</u>	31	<u>855</u>
16	<u>855</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1989DOCKET NO. 50-270UNIT NAME OCONEE 2DATE 01/15/90COMPLETED BY S. W. MOSERTELEPHONE (704)-373-5762

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		REDUCTIONS			

(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 NO: 50-270

UNIT: Oconee 2

DATE: 01/15/90

NARRATIVE SUMMARY

Month: December 1989

Oconee Unit 2 began the month of December operating at 100% full power. The unit operated the entire month with no significant reductions in power, and ended the month operating at 100% full power.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: September 1990
3. Scheduled restart following refueling: October 1990
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

If yes, what will these be? _____

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
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: 1036**
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: January, 1993

DUKE POWER COMPANY

DATE: January 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

** See footnote on Unit 1

OPERATING DATA REPORT

DOCKET NO 50-287
 DATE January 15, 1990
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

Notes Year-to date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

1. Unit Name: Oconee 3
2. Reporting Period: December 1, 1989-December 31, 1989
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: _____

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	8760.0	131880.0
12. Number Of Hours Reactor Was Critical	267.8	7682.8	98261.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	198.8	7586.7	96764.7
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	450530	19410386	238310121
17. Gross Electrical Energy Generated (MWH)	151804	6629831	82073275
18. Net Electrical Energy Generated (MWH)	137930	6337387	78222767
19. Unit Service Factor	26.7	86.6	73.4
20. Unit Availability Factor	26.7	86.6	73.4
21. Unit Capacity Factor (Using MDC Net)	21.9	85.5	69.0
22. Unit Capacity Factor (Using DER Net)	20.9	81.7	66.9
23. Unit Forced Outage Rate	7.6	1.5	11.9
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

OPERATING DATA REPORT

DOCKET NO 50-287
UNIT Oconee 3
DATE January 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH December, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</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>26</u>
24	<u>433</u>
25	<u>600</u>
26	<u>699</u>
27	<u>825</u>
28	<u>856</u>
29	<u>857</u>
30	<u>856</u>
31	<u>857</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287UNIT NAME OCCONEE 3DATE 01/15/90REPORT MONTH December 1989COMPLETED BY S. W. MOSERTELEPHONE (704)-373-5762

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	89-12- 1	S	456.42	C	1		RC	FUELXX	END-OF-CYCLE 11 REFUELING OUTAGE
5	89-12-20	S	72.58	A	1		HA	ELECON	OUTAGE EXTENSION - SHEARED WIRE GOING TO EXCITER FIELD FROM EXCITER COLLECTOR
6	89-12-23	F	7.38	A	--		HA	CKTBKR	GENERATOR FIELD BREAKER CONTACT FINGERS NOT MAKING CONTACT
7	89-12-23	F	8.85	A	--		EB	TRANSF	GENERATOR TRIP - MAIN TRANSFORMER NEUTRAL OVERCURRENT RELAY CONTACTS NOT FULLY CLOSED
3-P	89-12-24	S	--	B	--		RC	ZZZZZZ	CORE PHYSICS TESTING
4-P	89-12-24	S	--	B	--		RC	ZZZZZZ	INTERMEDIATE POWER PHYSICS TESTING
5-P	89-12-24	F	--	A	--		HH	PUMPXX	INVESTIGATION OF '3A' MAIN FEEDWATER PUMP OIL SYSTEM PROBLEM

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287

UNIT NAME OCONEE 3

DATE 01/15/90

REPORT MONTH December 1989

COMPLETED BY S. W. MOSER

TELEPHONE (704)-373-5762

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	89-12-25	S	--	B	--		RC	ZZZZZZ	POWER ESCALATION CORE PHYSICS TESTING

(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 NO: 50-287

UNIT: Oconee 3

DATE: 01/15/90

NARRATIVE SUMMARY

Month: December 1989

Oconee Unit 3 began the month of December shutdown for its End-of-Cycle 11 Refueling Outage. The reactor was made critical at 1800 on 12/18. At 0025 on 12/20, the turbine was tripped during startup to troubleshoot a problem with generator excitation. At 0200 on 12/20, a sheared wire going to the exciter field from the exciter collector was found. At 0835 on 12/20, the unit began a shutdown to hot shutdown. At 2127 on 12/22, the reactor was made critical following completion of repairs to the Alterex. At 0100 on 12/23, the generator field breaker failed to close due to several contact fingers on the breaker not making contact. Following repairs to the breaker, the generator was placed on line at 0823 on 12/23. At 0848 on 12/23, the generator tripped off line due to a problem with the Y phase arm of the main transformer. At 1739 on 12/23, the generator was placed on line, and a power increase was commenced. The power increase was stopped at 51% power at 0504 on 12/24 and at 58% power at 1049 on 12/24 for core physics testing. At 1800 on 12/24, the unit was held at 58% power due to a continuing investigation of the "3A" main feedwater pump oil system problem begun during the core physics testing power hold. The unit began a power increase at 2326 on 12/24. During this increase, the unit was held at 73% power at 0535 on 12/25 for core physics testing and at 93% power at 1648 on 12/26 for nuclear instrumentation calibration. Following power holds at 94% power at 0032 on 12/27 and at 99% power at 1921 on 12/27 due to a steam generator level problem, the unit reached 100% full power at 1711 on 12/28. The unit operated the remainder of the month at 100% full power.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: February 1991
3. Scheduled restart following refueling: March 1991
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
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: 600
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: April, 1995

DUKE POWER COMPANY

DATE: January 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

** See footnote on Unit 1