

OPERATING DATA REPORT

DOCKET NO 50-269

DATE April 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: March 1, 1990-March 31, 1990
3. Licensed Thermal Power (MMt): 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	2160.0	146473.0
12. Number Of Hours Reactor Was Critical	744.0	2160.0	110306.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	2160.0	107872.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1912440	5516688	262230762
17. Gross Electrical Energy Generated (MWH)	666695	1928681	90813768
18. Net Electrical Energy Generated (MWH)	638898	1847846	86194265
19. Unit Service Factor	100.0	100.0	73.7
20. Unit Availability Factor	100.0	100.0	73.7
21. Unit Capacity Factor (Using MDC Net)	101.5	101.1	68.5
22. Unit Capacity Factor (Using DER Net)	96.9	96.6	66.3
23. Unit Forced Outage Rate	0.0	0.0	12.1
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - April 26, 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

9004190262 900413
PDR ADOCK 05000269
R PDC

OPERATING DATA REPORT

DOCKET NO 50-269
UNIT Oconee 1
DATE April 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH March, 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>859</u>
2	<u>859</u>
3	<u>859</u>
4	<u>859</u>
5	<u>858</u>
6	<u>859</u>
7	<u>857</u>
8	<u>854</u>
9	<u>858</u>
10	<u>859</u>
11	<u>859</u>
12	<u>859</u>
13	<u>859</u>
14	<u>859</u>
15	<u>859</u>
16	<u>858</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
17	<u>858</u>
18	<u>859</u>
19	<u>859</u>
20	<u>858</u>
21	<u>859</u>
22	<u>860</u>
23	<u>859</u>
24	<u>859</u>
25	<u>859</u>
26	<u>859</u>
27	<u>859</u>
28	<u>859</u>
29	<u>859</u>
30	<u>859</u>
31	<u>859</u>

REPORT MONTH March 1990

COMPLETED BY S. W. MOSER
TELEPHONE (704)-373-5762

TELEPHONE (704) 575-5702									
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		

- | | | | |
|-------------------------------------|---|--|--|
| <p>(1) F Forced
S Scheduled</p> | <p>(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)</p> | <p>(3) Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)</p> | <p>(4) Exhibit G - Instructions
for Preparation of Data
Entry Sheets For License
Event Report (LER)
File (NUREG-0161)</p> <p>(5) Exhibit I - Same Source</p> |
|-------------------------------------|---|--|--|

DOCKET NO: 50-269

UNIT: Ocone 1

DATE: 04/13/90

NARRATIVE SUMMARY

MONTH: March 1990

Ocone Unit 1 began the month of March operating at 100% full power.

The unit operated the entire month with no reductions or outages.

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: April 13, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

**On January 29, 1990, received a license for the ISFSI which will store 2112 assemblies.

OPERATING DATA REPORT

DOCKET NO 50-270

DATE April 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: March 1, 1990-March 31, 1990
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	2160.0	136393.0
12. Number Of Hours Reactor Was Critical	744.0	2160.0	105239.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	2160.0	103609.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1876080	5514840	248694062
17. Gross Electrical Energy Generated (MWH)	652934	1915640	84709429
18. Net Electrical Energy Generated (MWH)	626299	1837765	80582682
19. Unit Service Factor	100.0	100.0	76.0
20. Unit Availability Factor	100.0	100.0	76.0
21. Unit Capacity Factor (Using MDC Net)	99.5	100.6	68.7
22. Unit Capacity Factor (Using DER Net)	95.0	96.0	66.6
23. Unit Forced Outage Rate	0.0	0.0	10.5

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

Refueling - September 11, 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

OPERATING DATA REPORT

DOCKET NO 50-270
UNIT Oconee 2
DATE April 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH March, 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>855</u>
2	<u>855</u>
3	<u>855</u>
4	<u>855</u>
5	<u>441</u>
6	<u>760</u>
7	<u>853</u>
8	<u>862</u>
9	<u>862</u>
10	<u>862</u>
11	<u>862</u>
12	<u>861</u>
13	<u>861</u>
14	<u>861</u>
15	<u>860</u>
16	<u>860</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>860</u>
18	<u>860</u>
19	<u>859</u>
20	<u>858</u>
21	<u>858</u>
22	<u>858</u>
23	<u>858</u>
24	<u>858</u>
25	<u>858</u>
26	<u>857</u>
27	<u>857</u>
28	<u>858</u>
29	<u>858</u>
30	<u>858</u>
31	<u>857</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1990

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 04/13/90
 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
1-P	90- 3- 5	F	--	A	--		CB	PUMPXX	HOLDING POWER TO STOP '2B2' REACTOR COOLANT PUMP
2-P	90- 3- 5	F	--	A	--		CB	PUMPXX	CONTINUING POWER DECREASE FOR '2B2' REACTOR COOLANT PUMP WORK
3-P	90- 3- 5	F	--	A	--		CB	PUMPXX	HOLDING POWER FOR '2B2' REACTOR COOLANT PUMP WORK
4-P	90- 3- 5	F	--	A	--		CB	PUMPXX	CONTINUING POWER DECREASE FOR '2B2' REACTOR COOLANT PUMP WORK
5-P	90- 3- 5	F	--	A	--		CB	PUMPXX	HOLDING POWER FOR '2B2' REACTOR COOLANT PUMP WORK
6-P	90- 3- 5	F	--	A	--		IA	INSTRU	HOLDING POWER TO RESET REACTOR PROTECTION SYSTEM FLUX TRIP SETPOINT

(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

REPORT MONTH March 1990

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 04/13/90
 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
7-P	90- 3- 6	F	--	A	--		HH	PUMPXX	'2B' FW PUMP TURBINE FAILED TO REACH ITS HI SPEED SHUTOFF ON MOTOR SPEED CHANGER

(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 NO: 50-270

UNIT: Oconee 2

DATE: 04/13/90

NARRATIVE SUMMARY

MONTH: March 1990

Oconee Unit 2 began the month of March operating at 100% full power. The unit operated at 100% full power until 0457 on 03/05, when a power reduction was commenced due to Reactor Coolant Pump "2B2" upper oil pot low level. The load reduction was stopped at 68% power from 0525 on 03/05 to 0929 on 03/05 to stop Reactor Coolant Pump "2B2". The unit was next held at 41% power from 1103 on 03/05 to 1427 on 03/05 to repair a leaking flange and add oil to the pump. Radiation levels required a further power reduction to allow access to the components. The unit was reduced to 20% power and held there from 1530 on 03/05 to 2000 on 03/05. During the subsequent power increase, the unit was held at 40% power from 2148 on 03/05 to 2350 on 03/05 to reset the Reactor Protection System flux trip setpoint. The unit was next held at 47% from 0033 on 03/06 to 0251 on 03/06 when the "2B" Feedwater Pump Turbine would not reach its High Speed Shutoff on the Motor Speed Changer. The unit reached 100% full power at 0915 on 03/06. The unit operated at or near 100% full power for the remainder of the month.

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: April 13, 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 April 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: March 1, 1990-March 31, 1990
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	2160.0	134040.0
12. Number Of Hours Reactor Was Critical	736.7	2135.9	100397.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	732.4	2124.5	98889.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1873008	5465544	243775665
17. Gross Electrical Energy Generated (MWH)	656083	1895349	83968624
18. Net Electrical Energy Generated (MWH)	629501	1818644	80041411
19. Unit Service Factor	98.4	98.3	73.8
20. Unit Availability Factor	98.4	98.3	73.8
21. Unit Capacity Factor (Using MDC Net)	100.0	99.5	69.5
22. Unit Capacity Factor (Using DER Net)	95.5	95.0	67.3
23. Unit Forced Outage Rate	1.6	1.7	11.7
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 50-287
UNIT Oconee 3
DATE April 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH March, 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>858</u>
2	<u>859</u>
3	<u>859</u>
4	<u>859</u>
5	<u>857</u>
6	<u>858</u>
7	<u>491</u>
8	<u>676</u>
9	<u>860</u>
10	<u>858</u>
11	<u>858</u>
12	<u>861</u>
13	<u>868</u>
14	<u>868</u>
15	<u>868</u>
16	<u>868</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>867</u>
18	<u>867</u>
19	<u>867</u>
20	<u>867</u>
21	<u>864</u>
22	<u>867</u>
23	<u>868</u>
24	<u>868</u>
25	<u>867</u>
26	<u>868</u>
27	<u>867</u>
28	<u>867</u>
29	<u>867</u>
30	<u>867</u>
31	<u>867</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1990DOCKET NO. 50-287UNIT NAME OCONEE 3DATE 04/13/90COMPLETED 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
2	90- 3- 7	F	11.62	A	3		HH	VALVEX	REACTOR TRIP DUE TO STARTUP FEEDWATER CONTROL VALVE LIMIT SWITCH FAILURE

(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 NO: 50-287

UNIT: Oconee 3

DATE: 04/13/90

NARRATIVE SUMMARY

MONTH: March 1990

Oconee Unit 3 began the month of March operating at 100% full power. The unit operated at 100% full power until 1406 on 03/07 when the unit experienced a Reactor/Turbine trip due to high Reactor Coolant System pressure. The "3A" Feedwater flow had decreased due to the closing of the Main Feedwater block valve. This valve closed with the false indication of Startup Feedwater Control Valve less than 50% open along with false Nuclear Instrumentation detector indication of less than 10% reactor power. The false control valve indication was due to a failed limit switch. The false reactor power indication was due to the detector (NI-9) that normally feeds the Integrated Control System (ICS) being inoperable. NI-5, which normally feeds Reactor Protection System (RPS) channel "A", was temporarily feeding both the RPS and the ICS. During on-line RPS testing, the gain on NI-5 was being adjusted, resulting in the false low reactor power indication. The unit was placed on-line at 0143 on 03/08, and reached 100% full power at 1113 on 03/08. The unit operated at or near 100% for the remainder of the month.

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: April 13, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

** See footnote on Unit 1