

# OPERATING DATA REPORT

## OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: September 1, 1988-September 30, 1988
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: \_\_\_\_\_

DOCKET NO 50-269  
 DATE October 14, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

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	6575.0	133344.0
12. Number Of Hours Reactor Was Critical	720.0	6560.0	98566.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6533.7	96237.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1842168	16398384	232883466
17. Gross Electrical Energy Generated (MWH)	618051	5610330	80717987
18. Net Electrical Energy Generated (MWH)	588536	5354987	76566092
19. Unit Service Factor	100.0	99.4	72.2
20. Unit Availability Factor	100.0	99.4	72.2
21. Unit Capacity Factor (Using MDC Net)	96.6	96.3	66.7
22. Unit Capacity Factor (Using DER Net)	92.3	91.9	64.7
23. Unit Forced Outage Rate	0.0	0.6	13.1

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

Refueling - January 25, 1989 - 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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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# OPERATING DATA REPORT

DOCKET NO 50-269  
 UNIT Oconee 1  
 DATE October 14, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH September, 1988

<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>783</u>	17	<u>822</u>
2	<u>813</u>	18	<u>822</u>
3	<u>814</u>	19	<u>821</u>
4	<u>814</u>	20	<u>821</u>
5	<u>813</u>	21	<u>821</u>
6	<u>814</u>	22	<u>822</u>
7	<u>813</u>	23	<u>822</u>
8	<u>816</u>	24	<u>822</u>
9	<u>817</u>	25	<u>822</u>
10	<u>817</u>	26	<u>820</u>
11	<u>817</u>	27	<u>820</u>
12	<u>817</u>	28	<u>819</u>
13	<u>818</u>	29	<u>820</u>
14	<u>820</u>	30	<u>822</u>
15	<u>821</u>		
16	<u>821</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1988

DOCKET NO. 50-269  
 UNIT NAME OCONEE 1  
 DATE 10/14/88  
 COMPLETED BY J. A. REAVIS  
 TELEPHONE (704)-373-7567

N O .	DATE	(1)  T Y P E	DURATION HOURS	(2)  R E A S O N	(3) MET- HOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4)  SYS- TEM CODE	(5)  COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
24-p	88- 9- 1	F	--	A	--		HJ	PUMPXX	POWER REDUCTION DUE TO '1D2' HEATER DRAIN PUMP TRIP

(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: 50-269

UNIT: Ocone 1

DATE: 10/14/88

#### NARRATIVE SUMMARY

Month: September, 1988

Ocone 1 began the month of September operating at 79% power, limited by Heater Drain Pump problems. At 0015 on 09/01, the unit began increasing power, reaching 100% full power at 0745 the same day. The unit then operated at 100% power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: January, 1989
3. Scheduled restart following refueling: March, 1989
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: 935\*
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: June, 1991

DUKE POWER COMPANY

DATE: October 14, 1988

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

## OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: September 1, 1988-September 30, 1988
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: \_\_\_\_\_

DOCKET NO 50-270  
 DATE October 14, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

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	6575.0	123264.0
12. Number Of Hours Reactor Was Critical	720.0	4780.2	93484.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4672.6	91965.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1844640	11488224	219128342
17. Gross Electrical Energy Generated (MWH)	622911	3879382	74562063
18. Net Electrical Energy Generated (MWH)	594604	3689727	70887045
19. Unit Service Factor	100.0	71.1	74.6
20. Unit Availability Factor	100.0	71.1	74.6
21. Unit Capacity Factor (Using MDC Net)	97.6	66.3	66.8
22. Unit Capacity Factor (Using DER Net)	93.2	63.3	64.8
23. Unit Forced Outage Rate	0.0	1.5	11.4
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 October 14, 1988  
COMPLETED BY J. A. Reavis  
TELEPHONE 704-373-7567

MONTH September, 1988

<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>828</u>	17	<u>828</u>
2	<u>829</u>	18	<u>825</u>
3	<u>829</u>	19	<u>817</u>
4	<u>828</u>	20	<u>818</u>
5	<u>828</u>	21	<u>818</u>
6	<u>829</u>	22	<u>814</u>
7	<u>829</u>	23	<u>818</u>
8	<u>829</u>	24	<u>822</u>
9	<u>830</u>	25	<u>824</u>
10	<u>830</u>	26	<u>826</u>
11	<u>829</u>	27	<u>826</u>
12	<u>829</u>	28	<u>826</u>
13	<u>829</u>	29	<u>827</u>
14	<u>828</u>	30	<u>827</u>
15	<u>827</u>		
16	<u>828</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1988

DOCKET NO. 50-270  
 UNIT NAME OCONEE 2  
 DATE 10/14/88  
 COMPLETED BY J. A. REAVIS  
 TELEPHONE (704)-373-7567

N O .	DATE	(1)  T Y P E	DURATION HOURS	(2)  R E A S O N	(3) MET- HOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4)  SYS- TEM CODE	(5)  COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
25-p	88- 9-24	F	--	A	--		HH	VALVEX	LOSS OF HYDRAULIC PRESSURE TO THE STOP VALVES ON THE 'A' FEEDWATER PUMP TURBINE

(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: 10/14/88

#### NARRATIVE SUMMARY

Month: September, 1988

Oconee Unit 2 began the month of September operating at 100% full power. On 09/24 at 0039, the unit experienced a Reactor runback to 96% power when the low pressure and high pressure stop valves on the "A" Feedwater Pump Turbine went closed due to low hydraulic pressure. The unit returned to 100% power the same day, where it operated for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: May, 1989
3. Scheduled restart following refueling: June, 1989
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: 935\*
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: June, 1991

DUKE POWER COMPANY

DATE: October 14, 1988

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

## OPERATING STATUS

DOCKET NO 50-287  
 DATE October 14, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

1. Unit Name: Oconee 3
2. Reporting Period: September 1, 1988-September 30, 1988
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	6575.0	120911.0
12. Number Of Hours Reactor Was Critical	202.5	5034.8	88383.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	180.0	5003.7	86989.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	385824	12560000	213459476
17. Gross Electrical Energy Generated (MWH)	129894	4307959	73518504
18. Net Electrical Energy Generated (MWH)	118767	4114025	70042655
19. Unit Service Factor	25.0	76.1	72.0
20. Unit Availability Factor	25.0	76.1	72.0
21. Unit Capacity Factor (Using MDC Net)	19.5	74.0	67.3
22. Unit Capacity Factor (Using DER Net)	18.6	70.6	65.3
23. Unit Forced Outage Rate	2.2	9.5	13.0
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: \_\_\_\_\_
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 October 14, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH September, 1988

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
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>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
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>43</u>
24	<u>366</u>
25	<u>614</u>
26	<u>762</u>
27	<u>835</u>
28	<u>834</u>
29	<u>834</u>
30	<u>832</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287

UNIT NAME OCONEE 3

DATE 10/14/88

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

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REPORT MONTH September 1988

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
5	88- 9- 1	S	534.25	C	1		RC	FUELXX	END OF CYCLE 10 REFUELING OUTAGE
6	88- 9-23	F	4.00	A	--		HA	INSTRU	TURBINE TRIP DUE TO THRUST BEARING WEAR DETECTOR SETPOINT DRIFT (RX STAYED CRITICAL)
8-p	88- 9-23	S	--	B	--		HA	TURBIN	TURBINE SOAK PERIOD FOR OVERSPEED TRIP TEST
7	88- 9-23	S	1.77	B	--		HA	TURBIN	TURBINE OVERSPEED TRIP TEST
9-p	88- 9-24	S	--	B	--		RC	ZZZZZZ	POWER HOLD FOR PHYSICS TESTING
10-p	88- 9-24	S	--	B	--		IA	XXXXXX	POWER HOLD TO GATHER FLOW DATA FOR REACTOR PROTECTION SYSTEM
11-p	88- 9-24	S	--	B	--		IE	INSTRU	POWER HOLD FOR 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. 50-287

UNIT NAME OCONEE 3

DATE 10/14/88

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

Page 2 of 2

REPORT MONTH September 1988

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
12-p	88- 9-24	S	--	B	--		RC	ZZZZZZ	POWER HOLD FOR PHYSICS TESTING
13-p	88- 9-26	S	--	B	--		IE	INSTRU	POWER HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
14-p	88- 9-26	S	--	B	--		RC	ZZZZZZ	POWER HOLD FOR 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 Licensee  
Event Report (LER)  
File (NUREG-0161)

(5)  
Exhibit I - Same Source

DOCKET NO: 50-287

UNIT: Oconee 3

DATE: 10/14/88

#### NARRATIVE SUMMARY

Month: September, 1988

Oconee Unit 3 began the month of September off line for its End of Cycle 10 Refueling Outage. The unit returned to service at 0615 on 09/23 and while increasing power the same day, the Turbine tripped off line due to a thrust bearing wear detector setpoint drift. The unit returned to service at 1534 on 09/23, and was subsequently removed at 2141 the same day for a Turbine Overspeed Trip Test. The unit was then returned to service at 2327 on 09/23 and following several startup related power holds, reached 100% power at 1455 on 09/26. The unit then operated at 100% power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: December, 1989
3. Scheduled restart following refueling: February, 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: 548
8. Present licensed fuel pool capacity: 875  
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present licensed capacity: June, 1991

DUKE POWER COMPANY

DATE: October 14, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

\*\* See footnote on Unit 1



OCONEE NUCLEAR STATION  
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

For the month of August, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for August has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for August has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.