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ACCESSION NBR: 8911280489 DOC. DATE: 89/10/31 NOTARIZED: NO DOCKET #
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. 05000269
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287
 AUTH. NAME AUTHOR AFFILIATION
 WILLIAMS, R.A. Duke Power Co.
 TUCKER, H.B. Duke Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Oct 1989 for Oconee Nuclear Station. W/891115 ltr.

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OPERATING DATA REPORT

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: October 1, 1989-October 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): 846
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 November 15, 1989

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

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	745.0	7296.0	142849.0
12. Number Of Hours Reactor Was Critical	618.3	5906.9	106682.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	614.3	5802.0	104248.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1540800	14540832	253082106
17. Gross Electrical Energy Generated (MWH)	516428	4948916	87591847
18. Net Electrical Energy Generated (MWH)	489796	4706904	83110196
19. Unit Service Factor	82.5	79.5	73.0
20. Unit Availability Factor	82.5	79.5	73.0
21. Unit Capacity Factor (Using MDC Net)	77.7	76.3	67.7
22. Unit Capacity Factor (Using DER Net)	74.2	72.8	65.6
23. Unit Forced Outage Rate	17.5	4.4	12.4
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

8911280489 891031
PDR ADOCK 05000269
R PNU

OPERATING DATA REPORT

DOCKET NO 50-269
UNIT Oconee 1
DATE November 15, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH October, 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>189</u>
7	<u>621</u>
8	<u>821</u>
9	<u>825</u>
10	<u>826</u>
11	<u>825</u>
12	<u>823</u>
13	<u>827</u>
14	<u>797</u>
15	<u>594</u>
16	<u>828</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>828</u>
18	<u>828</u>
19	<u>829</u>
20	<u>829</u>
21	<u>831</u>
22	<u>831</u>
23	<u>831</u>
24	<u>830</u>
25	<u>831</u>
26	<u>831</u>
27	<u>832</u>
28	<u>832</u>
29	<u>834</u>
30	<u>831</u>
31	<u>831</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269

UNIT NAME OCONEE 1

DATE 11/15/89

REPORT MONTH October 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
8	89-10- 1	F	82.70	A	3		CB	HTEXCH	PRESSURIZER HEATER BUNDLE LEAK
9	89-10- 4	F	48.00	A	3		SD	VALVEX	'1CS-5' VALVE PROBLEMS
25-P	89-10- 6	F	--	A	--		HB	XXXXXX	HOLDING POWER TO INVESTIGATE FEEDWATER SWINGS
26-P	89-10- 6	S	--	F	--		ZZ	ZZZZZZ	HOLDING POWER PER DISPATCHER REQUEST
27-P	89-10- 7	F	--	A	--		IF	XXXXXX	REDUCTION TO RESET INTEGRATED CONTROL SYSTEM REACTOR POWER LIMITER
28-P	89-10- 7	S	--	B	--		IF	INSTRU	REDUCTION FOR INTEGRATED CONTROL SYSTEM REACTOR POWER LIMITER CALIBRATION
29-P	89-10-14	S	--	B	--		HH	PUMPXX	REDUCTION FOR '1B' FEEDWATER PUMP MAINTENANCE

(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. 50-269

UNIT NAME OCONEE 1

DATE 11/15/89

COMPLETED BY S. W. MOSER

TELEPHONE (704)-373-5762

REPORT MONTH October 1989

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
30-P	89-10-15	F	--	A	--		RC	XXXXXX	HOLDING POWER DUE TO AXIAL POWER IMBALANCE
31-P	89-10-15	S	--	F	--		ZZ	ZZZZZZ	HOLDING POWER 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

NARRATIVE SUMMARY

Month: October 1989

Oconee Unit 1 began the month of October in a maintenance outage to repair a RCS Leak on the pressurizer and repair an oil leak on the "1B2" reactor coolant pump. At 1042 on 10/4, problems with the "1CS-5" containment isolation valve forced a delay in startup. The reactor was critical at 0645 on 10/6, and the turbine generator was on-line at 1042 on 10/6. The power increase was stopped at 45% power at 1345 on 10/6 to investigate feedwater swings. The unit began a power increase at 1433 on 10/6, but held power at 55% power at 1523 on 10/6 per dispatcher's request. A power increase was commenced at 0853 on 10/7. The power increase was stopped at 78% power at 1045 on 10/7 due to receiving statalarm for reactor coolant average temperature high/low. At 1117 on 10/7, a power decrease was commenced to reset Integrated Control System Reactor Limiter. The power decrease was stopped at 74% power at 1145 on 10/7. A power increase was commenced at 1203 on 10/7, and the unit reached 100% full power at 0705 on 10/8. At 2034 on 10/14, the unit began a power decrease to 60% power to take "1B" feedwater pump out of service for maintenance. The unit reached 60% power at 2338 on 10/14, and began a power increase at 0529 on 10/15. During this power increase, the unit was held at 67% power from 0614 on 10/15 to 0640 on 10/15 due to an axial power imbalance. The unit was again held at 70% power from 0752 on 10/15 to 1332 on 10/15 due to dispatcher's request. The unit reached 100% full power at 0030 on 10 /16, and operated with no significant reductions in power for the remainder of the month.

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: November 15, 1989

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

DOCKET NO 50-270

DATE November 15, 1989

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

1. Unit Name: Oconee 2
2. Reporting Period: October 1, 1989-October 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): 846
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	745.0	7296.0	132769.0
12. Number Of Hours Reactor Was Critical	745.0	6188.2	101881.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	6086.3	100260.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1902216	15391584	240191918
17. Gross Electrical Energy Generated (MWH)	657584	5256946	81750490
18. Net Electrical Energy Generated (MWH)	628404	5015538	77750890
19. Unit Service Factor	100.0	83.4	75.5
20. Unit Availability Factor	100.0	83.4	75.5
21. Unit Capacity Factor (Using MDC Net)	99.7	81.3	68.1
22. Unit Capacity Factor (Using DER Net)	95.2	77.6	66.0
23. Unit Forced Outage Rate	0.0	2.0	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 November 15, 1989
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH October, 1989

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>843</u>
2	<u>838</u>
3	<u>835</u>
4	<u>835</u>
5	<u>836</u>
6	<u>839</u>
7	<u>845</u>
8	<u>845</u>
9	<u>845</u>
10	<u>846</u>
11	<u>845</u>
12	<u>846</u>
13	<u>846</u>
14	<u>846</u>
15	<u>845</u>
16	<u>846</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>846</u>
18	<u>845</u>
19	<u>845</u>
20	<u>845</u>
21	<u>846</u>
22	<u>847</u>
23	<u>847</u>
24	<u>848</u>
25	<u>848</u>
26	<u>849</u>
27	<u>849</u>
28	<u>835</u>
29	<u>822</u>
30	<u>848</u>
31	<u>848</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270UNIT NAME OCONEE 2DATE 11/15/89REPORT MONTH October 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
		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: 11/15/89

NARRATIVE SUMMARY

Month: October 1989

Oconee Unit 2 began the month of October 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: August 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: November 15, 1989

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 November 15, 1989

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

1. Unit Name: Oconee 3
2. Reporting Period: October 1, 1989-October 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): 846
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	745.0	7296.0	130416.0
12. Number Of Hours Reactor Was Critical	745.0	7224.3	97802.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	7198.9	96376.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1912440	18482832	237382567
17. Gross Electrical Energy Generated (MWH)	652702	6314971	81758415
18. Net Electrical Energy Generated (MWH)	624170	6045988	77931368
19. Unit Service Factor	100.0	98.7	73.9
20. Unit Availability Factor	100.0	98.7	73.9
21. Unit Capacity Factor (Using MDC Net)	99.0	98.0	69.5
22. Unit Capacity Factor (Using DER Net)	94.6	93.5	67.4
23. Unit Forced Outage Rate	0.0	1.3	12.0

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

Refueling - November 8, 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

OPERATING DATA REPORT

DOCKET NO 50-287
UNIT Oconee 3
DATE November 15, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH October, 1989

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>827</u>
2	<u>832</u>
3	<u>835</u>
4	<u>837</u>
5	<u>837</u>
6	<u>836</u>
7	<u>837</u>
8	<u>837</u>
9	<u>837</u>
10	<u>830</u>
11	<u>838</u>
12	<u>837</u>
13	<u>838</u>
14	<u>838</u>
15	<u>838</u>
16	<u>838</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
17	<u>838</u>
18	<u>838</u>
19	<u>838</u>
20	<u>839</u>
21	<u>840</u>
22	<u>840</u>
23	<u>840</u>
24	<u>840</u>
25	<u>841</u>
26	<u>841</u>
27	<u>841</u>
28	<u>841</u>
29	<u>843</u>
30	<u>841</u>
31	<u>841</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287UNIT NAME OCONEE 3DATE 11/15/89REPORT MONTH October 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) 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
		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: 50-287

UNIT: Ocone 3

DATE: 11/15/89

NARRATIVE SUMMARY

Month: October 1989

Ocone Unit 3 began the month of October 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 3
2. Scheduled next refueling shutdown: November 1989
3. Scheduled restart following refueling: December 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: 548
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: November 15, 1989

Name of Contact: J. A. Reavis

Phone: 704-373-7567

** See footnote on Unit 1