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 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.
 MCCRAW, E.O. Duke Power Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1993 for Oconee Nuclear Station Unit 1, 2 & 3. W/931015 ltr.

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Duke Power Company
Electric Center
P.O. Box 1006
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DUKE POWER

October 15, 1993

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

RE: Oconee Nuclear Station
Docket No. 50-269, -270, -287
File: GS-801.01

Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of September, 1993.

Very truly yours,

E O McCraw

E. O. McCraw, Manager
Operations, Performance & Automation

EOM/raw
Attachments

xc: Stewart D. Ebnetter
Regional Administrator/Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, GA 30323

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
Town Center, Suite 300S
29 South Main Street
West Hartford, CT 06107-2445

L. A. Wiens, Project Manager
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ms. Margaret Aucoin
Nuclear Assurance Corporation
Suite 200
655 Engineering Drive
Norcross, GA 30092-2843

P. E. Harmon
Senior Resident Inspector
Oconee Nuclear Station

9310220131 930930
PDR ADOCK 05000269
P PDR

U.S. NRC - Oconee
October 15, 1993
Page 2

bc: K. S. Canady (EC08H)
D. L. Davidson (ONS)
Richard Edwards (B&W)
M. E. Patrick (ONS)
T. E. Mooney (EC05N)
B. J. Horsley (EC03U)
N. A. Rutherford (EC07I)
R. Henderson (ONS)
R. A. Williams (EC07A) (3)
J. C. Wimbish (EC07B)
B. A. Whitlock (ONS)
E. C. Fisher (MNS)
B. W. Walsh (EC11C)
Jim Thomae (CNS)
C. D. Denton (PB05E)
G. A. Copp (EC050) (File)
Candace Paton (PB02L)

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-269

DATE October 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

1. Unit Name: Oconee 1
2. Reporting Period: September 1, 1993-September 30, 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	720.0	6551.0	177168.0
12. Number Of Hours Reactor Was Critical	720.0	5743.2	136537.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	5653.4	133860.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1847112	14400912	328148542
17. Gross Electrical Energy Generated (MWH)	628647	4956395	113496040
18. Net Electrical Energy Generated (MWH)	600154	4730310	107817743
19. Unit Service Factor	100.0	86.3	75.6
20. Unit Availability Factor	100.0	86.3	75.6
21. Unit Capacity Factor (Using MDC Net)	98.5	85.3	71.0
22. Unit Capacity Factor (Using DER Net)	94.1	81.5	68.6
23. Unit Forced Outage Rate	0.0	2.5	10.5
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 50-269
UNIT Oconee 1
DATE October 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH September, 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>831</u>	17	<u>834</u>
2	<u>834</u>	18	<u>833</u>
3	<u>835</u>	19	<u>834</u>
4	<u>835</u>	20	<u>834</u>
5	<u>836</u>	21	<u>833</u>
6	<u>836</u>	22	<u>834</u>
7	<u>835</u>	23	<u>833</u>
8	<u>832</u>	24	<u>833</u>
9	<u>834</u>	25	<u>833</u>
10	<u>834</u>	26	<u>833</u>
11	<u>829</u>	27	<u>833</u>
12	<u>834</u>	28	<u>833</u>
13	<u>833</u>	29	<u>834</u>
14	<u>833</u>	30	<u>835</u>
15	<u>833</u>		
16	<u>833</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1993

DOCKET NO. 50-269
 UNIT NAME OCONEE 1
 DATE 10/15/93
 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

DOCKET: 50-269

UNIT: Oconee 1

Date: 10/15/93

NARRATIVE SUMMARY

MONTH: September 1993

Oconee Unit 1 began the month of September 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

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: 1022*
(c) in the ISFSI: 528****
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: October 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 40 modules (960 spaces). Additional modules will be built on an as needed basis.

**** Represents the combined total for Units 1,2 and 3

OPERATING DATA REPORT

DOCKET NO 50-270

DATE October 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: September 1, 1993-September 30, 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	720.0	6551.0	167088.0
12. Number Of Hours Reactor Was Critical	720.0	5233.3	131807.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	5168.8	129951.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1849584	13217016	315825326
17. Gross Electrical Energy Generated (MWH)	632057	4584389	107936933
18. Net Electrical Energy Generated (MWH)	603664	4376986	102762940
19. Unit Service Factor	100.0	78.9	77.8
20. Unit Availability Factor	100.0	78.9	77.8
21. Unit Capacity Factor (Using MDC Net)	99.1	79.0	71.8
22. Unit Capacity Factor (Using DER Net)	94.6	75.4	69.4
23. Unit Forced Outage Rate	0.0	0.5	8.9

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 50-270
UNIT Oconee 2
DATE October 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH September, 1993

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>839</u>
2	<u>839</u>
3	<u>839</u>
4	<u>839</u>
5	<u>840</u>
6	<u>839</u>
7	<u>839</u>
8	<u>838</u>
9	<u>837</u>
10	<u>837</u>
11	<u>837</u>
12	<u>837</u>
13	<u>837</u>
14	<u>837</u>
15	<u>837</u>
16	<u>840</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>840</u>
18	<u>840</u>
19	<u>840</u>
20	<u>840</u>
21	<u>840</u>
22	<u>840</u>
23	<u>840</u>
24	<u>840</u>
25	<u>840</u>
26	<u>840</u>
27	<u>840</u>
28	<u>840</u>
29	<u>841</u>
30	<u>819</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1993

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 10/15/93
 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

DOCKET: 50-270

UNIT: Oconee 2

Date: 10/15/93

NARRATIVE SUMMARY

MONTH: September 1993

Oconee Unit 2 began the month of September 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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: September 1994
3. Scheduled restart following refueling: November 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: 1022*
(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: October 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 40 modules (960 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-287

DATE October 15, 1993

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

1. Unit Name: Oconee 3
2. Reporting Period: September 1, 1993-September 30, 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	720.0	6551.0	164735.0
12. Number Of Hours Reactor Was Critical	720.0	6537.3	127072.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6533.6	125340.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1850184	16766376	310982025
17. Gross Electrical Energy Generated (MWH)	633329	5856975	107256833
18. Net Electrical Energy Generated (MWH)	605081	5613227	102297238
19. Unit Service Factor	100.0	99.7	76.1
20. Unit Availability Factor	100.0	99.7	76.1
21. Unit Capacity Factor (Using MDC Net)	99.3	101.3	72.5
22. Unit Capacity Factor (Using DER Net)	94.8	96.7	70.0
23. Unit Forced Outage Rate	0.0	0.3	10.5
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - December 28, 1993 - 55 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 50-287
 UNIT Oconee 3
 DATE October 15, 1993
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH September, 1993

DAY	AVERAGE DAILY POWER LEVEL (NWe-Net)
1	<u>841</u>
2	<u>841</u>
3	<u>841</u>
4	<u>841</u>
5	<u>841</u>
6	<u>841</u>
7	<u>843</u>
8	<u>843</u>
9	<u>843</u>
10	<u>842</u>
11	<u>843</u>
12	<u>842</u>
13	<u>842</u>
14	<u>842</u>
15	<u>841</u>
16	<u>841</u>

DAY	AVERAGE DAILY POWER LEVEL (NWe-Net)
17	<u>841</u>
18	<u>841</u>
19	<u>841</u>
20	<u>841</u>
21	<u>841</u>
22	<u>841</u>
23	<u>840</u>
24	<u>841</u>
25	<u>841</u>
26	<u>840</u>
27	<u>840</u>
28	<u>842</u>
29	<u>842</u>
30	<u>813</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1993

DOCKET NO. 50-287
 UNIT NAME OCONEE 3
 DATE 10/15/93
 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

DOCKET: 50-287

UNIT: Oconee 3

Date: 10/15/93

NARRATIVE SUMMARY

MONTH: September 1993

Oconee Unit 3 began the month of September 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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: December 1993
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: October 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 40 modules (960 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

August 1993

1. Personnel Exposure -

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.