

CATEGORY 1

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50-270 Oconee Nuclear Station, Unit 2, Duke Power Co.
AUTH.NAME AUTHOR AFFILIATION
WILLIAMS, R.A. Duke Power Co.
DIMMERY, T. Duke Power Co.
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SUBJECT: Monthly operating repts for Sept 1997 for Oconee Nuclear Station.W/971014 ltr.

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October 14, 1997

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


Subject: Oconee Nuclear Station
Docket No. 50-269, -270, -287

Dear Sir:

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of September, 1997.

Any questions or comments may be directed to Roger A. Williams at (704) 382-5346.

Sincerely,


Terry Dimmery, Manager
Nuclear Business Support

Attachment

L. A. Reyes, Regional Administrator
USNRC, Region II

Dave LaBarge, Project Manager
USNRC, ONRR

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OPERATING DATA REPORT

DOCKET NO 50-269

DATE October 15, 1997

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: September 1, 1997-September 30, 1997
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	212232.0
12. Number Of Hours Reactor Was Critical	413.9	4437.4	164871.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	411.7	4398.9	161888.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	774098	9825368	398191422
17. Gross Electrical Energy Generated (MWH)	261270	3364812	137615888
18. Net Electrical Energy Generated (MWH)	245422	3186264	130796611
19. Unit Service Factor	57.2	67.2	76.3
20. Unit Availability Factor	57.2	67.2	76.3
21. Unit Capacity Factor (Using MDC Net)	40.3	57.5	72.1
22. Unit Capacity Factor (Using DER Net)	38.5	54.9	69.5
23. Unit Forced Outage Rate	0.0	15.6	9.5
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Currently Refueling			

25. If Shut Down At End Of Report Period. Estimated Date of Startup: November 11, 1997

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, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH September, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>607</u>	17	<u>600</u>
2	<u>607</u>	18	<u>16</u>
3	<u>606</u>	19	<u>0</u>
4	<u>604</u>	20	<u>0</u>
5	<u>604</u>	21	<u>0</u>
6	<u>604</u>	22	<u>0</u>
7	<u>605</u>	23	<u>0</u>
8	<u>604</u>	24	<u>0</u>
9	<u>606</u>	25	<u>0</u>
10	<u>607</u>	26	<u>0</u>
11	<u>607</u>	27	<u>0</u>
12	<u>607</u>	28	<u>0</u>
13	<u>607</u>	29	<u>0</u>
14	<u>607</u>	30	<u>0</u>
15	<u>607</u>		
16	<u>607</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1997

DOCKET NO. 50-269
 UNIT NAME OCONEE 1
 DATE 10/15/97
 COMPLETED BY R. A. Williams
 TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
17-P	97- 9- 1	F	--	A	--		CB	PUMPXX	"1A1" REACTOR COOLANT PUMP
18-P	97- 9-18	F	--	A	--		HH	PUMPXX	"1A" MAIN FEEDWATER PUMP
5	97- 9-18	S	308.30	C	1		RC	FUELXX	END-OF-CYCLE 17 REFUELING OUTAGE

(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: 50 - 269

UNIT: Oconee 1

DATE: 10/15/97

NARRATIVE SUMMARY

MONTH: September, 1997

Oconee Unit 1 began the month of September holding at approximately 73% power. The unit was holding at approximately 73% power due to "1A1" reactor coolant pump until 09/17/97 at 2215, when the unit began decreasing power for end-of-cycle 17 refueling outage. The unit held at 50% power on 09/18/97 at 0038 to 0119 to remove "1A" main feedwater pump from service. The unit continued decreasing power and was taken off-line on 09/18/97 at 0342 to begin end-of-cycle 17 refueling outage. The unit was in the refueling outage the remainder of the month.

Prepared by: R. A. Williams
Telephone: (704) - 382-5346

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: November 1997

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: 974*
(c) in the ISFSI: 960****
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 license capacity: February 2013****

DUKE POWER COMPANY

DATE: October 15, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

* 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 48 modules (1152 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, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: September 1, 1997-September 30, 1997
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	202152.0
12. Number Of Hours Reactor Was Critical	575.4	4853.7	159863.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	562.1	4768.2	157769.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1432328	12166122	386671280
17. Gross Electrical Energy Generated (MWH)	488850	4203293	132473082
18. Net Electrical Energy Generated (MWH)	462430	3995095	126148840
19. Unit Service Factor	78.1	72.8	78.0
20. Unit Availability Factor	78.1	72.8	78.0
21. Unit Capacity Factor (Using MDC Net)	75.9	72.1	73.0
22. Unit Capacity Factor (Using DER Net)	72.5	68.8	70.4
23. Unit Forced Outage Rate	21.9	27.2	10.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - March 28, 1998 - 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 50-270
 UNIT Oconee 2
 DATE October 15, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH September, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>843</u>	17	<u>843</u>
2	<u>842</u>	18	<u>840</u>
3	<u>842</u>	19	<u>842</u>
4	<u>519</u>	20	<u>842</u>
5	<u>0</u>	21	<u>842</u>
6	<u>0</u>	22	<u>842</u>
7	<u>0</u>	23	<u>842</u>
8	<u>0</u>	24	<u>843</u>
9	<u>0</u>	25	<u>843</u>
10	<u>0</u>	26	<u>842</u>
11	<u>435</u>	27	<u>838</u>
12	<u>834</u>	28	<u>837</u>
13	<u>843</u>	29	<u>836</u>
14	<u>843</u>	30	<u>804</u>
15	<u>842</u>		
16	<u>843</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 10/15/97
 COMPLETED BY R. A. Williams
 TELEPHONE (704)-382-5346

REPORT MONTH September 1997

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
5	97- 9- 4	F	157.90	A	1		CF	VALVEX	REPAIR 2LP-1 VALVE LEAK ON DECAY HEAT REMOVAL SYSTEM

(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: 50 - 270

UNIT: Oconee 2

Date: 10/15/97

NARRATIVE SUMMARY

MONTH: September, 1997

Oconee Unit 2 began the month of September operating at 100% full power. The unit operated at or near 100% full power until 09/04/97 at 1407, when the unit began decreasing power and was taken off-line on 09/04/97 at 1609 to repair 2LP-1 valve leak on decay heat removal system. The unit was placed on-line 09/11/97 at 0603. The unit returned to 100% full power on 09/11/97 at 2137 and operated at or near 100% full power until 09/18/97 at 0252 when the unit experienced a reactor power runback to 95% due to opening unit 2 alternate control rod drive supply breaker. (This was due to a smoking relay in the unit 2 cable room). The unit returned to 100% full power on 09/18/97 at 0415, and operated at or near 100% full power the remainder of the month

Prepared by: R. A. Williams
Telephone: (704) - 382-5346

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: March 1998
3. Scheduled restart following refueling: May 1998

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: 974*
 (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 license capacity: October 2013***

DUKE POWER COMPANY

DATE: October 15, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

* 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 48 modules (1152 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OPERATING DATA REPORT

DOCKET NO 50-287

DATE October 15, 1997

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: September 1, 1997-September 30, 1997
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	199799.0
12. Number Of Hours Reactor Was Critical	629.8	4200.2	154311.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	627.0	3679.7	151972.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1604281	9289797	378656430
17. Gross Electrical Energy Generated (MWH)	547865	3160132	130704209
18. Net Electrical Energy Generated (MWH)	521053	2980882	124645567
19. Unit Service Factor	87.1	56.2	76.1
20. Unit Availability Factor	87.1	56.2	76.1
21. Unit Capacity Factor (Using MDC Net)	85.5	53.8	73.0
22. Unit Capacity Factor (Using DER Net)	81.7	51.4	70.4
23. Unit Forced Outage Rate	12.9	36.6	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: October 11, 1997

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 Dcone 3
 DATE October 15, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH September, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>841</u>	17	<u>842</u>
2	<u>841</u>	18	<u>837</u>
3	<u>841</u>	19	<u>834</u>
4	<u>838</u>	20	<u>834</u>
5	<u>834</u>	21	<u>839</u>
6	<u>837</u>	22	<u>842</u>
7	<u>836</u>	23	<u>842</u>
8	<u>834</u>	24	<u>842</u>
9	<u>830</u>	25	<u>844</u>
10	<u>830</u>	26	<u>833</u>
11	<u>838</u>	27	<u>13</u>
12	<u>840</u>	28	<u>0</u>
13	<u>842</u>	29	<u>0</u>
14	<u>838</u>	30	<u>0</u>
15	<u>842</u>		
16	<u>842</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1997

DOCKET NO. 50-287
 UNIT NAME OCONEE 3
 DATE 10/15/97
 COMPLETED BY R. A. Williams
 TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
9	97- 9-27	F	92.98	A	1		SB	XXXXXX	REPAIR "3B" REACTOR BUILDING COOLING UNIT

(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: 50 - 287

UNIT: Oconee 3

Date: 10/15/97

NARRATIVE SUMMARY

MONTH: September, 1997

Oconee Unit 3 began the month of September operating at 100% full power. The unit operated at or near 100% full power until 09/26/97 at 2207 when the unit began decreasing power and was taken off-line on 09/27/97 at 0301 to repair "3B" reactor building cooling unit and "3B" high pressure injection pump. The unit remained in the outage the remainder of the month.

Prepared by: R. A Williams
Telephone: (704) - 382-5346

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: August 1998
3. Scheduled restart following refueling: October 1998

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: 552
 (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 license capacity: July 2014***

DUKE POWER COMPANY

DATE: October 15, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

** See footnote of Unit 1

*** This date is based on 88 Dry Storage Modules. We currently have 48 modules (1152 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

August 1997

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.