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FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.

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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

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Duke Power Co.

WEBER, R.L.

Duke Power Co.

RECIP. NAME

RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for June 1995 for Oconee Nuclear Station Units 1, 2 & 3. W/950714 Ltr.

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Duke Power Company
P.O. Box 1006
Charlotte, NC 28201-1006



DUKE POWER

July 14, 1995

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

RE: 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 June, 1995.

Very truly yours,

R. L. Weber, Manager
Nuclear Business Support

RLW/raw
Attachments

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U.S. Nuclear Regulatory Commission
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Town Center, Suite 300S
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P. E. Harmon
Senior Resident Inspector
Oconee Nuclear Station

File: GS-801.01
U.S. NRC - Oconee
July 14, 1995
Page 2

bc: K. S. Canady (EC08H)
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T. E. Hunter (ON0102)
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J. E. Burchfield (ON03RC)
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G. R. Peterson (EC07H)

OPERATING DATA REPORT

DOCKET NO 50-269

DATE July 14, 1995

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: June 1, 1995-June 30, 1995
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	4343.0	192480.0
12. Number Of Hours Reactor Was Critical	720.0	4043.8	150138.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4038.5	147383.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1850184	10365240	362529310
17. Gross Electrical Energy Generated (MWH)	639666	3595182	125348145
18. Net Electrical Energy Generated (MWH)	611980	3436779	119129388
19. Unit Service Factor	100.0	93.0	76.6
20. Unit Availability Factor	100.0	93.0	76.6
21. Unit Capacity Factor (Using MDC Net)	100.5	93.5	72.3
22. Unit Capacity Factor (Using DER Net)	95.9	89.3	69.8
23. Unit Forced Outage Rate	0.0	7.0	9.9
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - October 26, 1995 - 40 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 50-269
 UNIT Oconee 1
 DATE July 14, 1995
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH June, 1995

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>848</u>
2	<u>851</u>
3	<u>851</u>
4	<u>851</u>
5	<u>850</u>
6	<u>850</u>
7	<u>845</u>
8	<u>846</u>
9	<u>849</u>
10	<u>850</u>
11	<u>850</u>
12	<u>850</u>
13	<u>850</u>
14	<u>850</u>
15	<u>850</u>
16	<u>850</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
17	<u>851</u>
18	<u>851</u>
19	<u>851</u>
20	<u>851</u>
21	<u>851</u>
22	<u>851</u>
23	<u>851</u>
24	<u>851</u>
25	<u>851</u>
26	<u>850</u>
27	<u>850</u>
28	<u>850</u>
29	<u>850</u>
30	<u>850</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1995

DOCKET NO. 50-269
UNIT NAME OCONEE 1
DATE 07/15/95
COMPLETED BY R. A. Williams
TELEPHONE (704)-382-5346

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 Licensee
Event Report (LER)
File (NUREG-0161)

(5)
Exhibit I - Same Source

DOCKET: 50 - 269

UNIT: Oconee 1

DATE: 07/14/95

NARRATIVE SUMMARY

MONTH: June 1995

Oconee Unit 1 began the month of June operating at 100% full power. The unit operated at or near 100% full power for the entire month.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: October 1995
3. Scheduled restart following refueling: December 1995

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: <u>177</u>
(b)	in the spent fuel pool: <u>950*</u>
(c)	in the ISFSI: <u>816****</u>
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: July 14, 1995

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 60 modules (1440 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 July 14, 1995

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: June 1, 1995-June 30, 1995
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	4343.0	182400.0
12. Number Of Hours Reactor Was Critical	720.0	3859.4	145243.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	3846.7	143278.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1850184	9809976	349813550
17. Gross Electrical Energy Generated (MWH)	645255	3384756	119712414
18. Net Electrical Energy Generated (MWH)	618273	3235609	114003179
19. Unit Service Factor	100.0	88.6	78.6
20. Unit Availability Factor	100.0	88.6	78.6
21. Unit Capacity Factor (Using MDC Net)	101.5	88.1	73.0
22. Unit Capacity Factor (Using DER Net)	96.9	84.1	70.5
23. Unit Forced Outage Rate	0.0	11.4	8.7
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

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 July 14, 1995
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH June, 1995

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>864</u>
2	<u>864</u>
3	<u>864</u>
4	<u>864</u>
5	<u>863</u>
6	<u>863</u>
7	<u>862</u>
8	<u>862</u>
9	<u>862</u>
10	<u>862</u>
11	<u>861</u>
12	<u>862</u>
13	<u>861</u>
14	<u>861</u>
15	<u>857</u>
16	<u>860</u>

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
17	<u>859</u>
18	<u>858</u>
19	<u>858</u>
20	<u>858</u>
21	<u>858</u>
22	<u>857</u>
23	<u>857</u>
24	<u>857</u>
25	<u>857</u>
26	<u>856</u>
27	<u>854</u>
28	<u>855</u>
29	<u>854</u>
30	<u>831</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1995

DOCKET NO. 50-270
UNIT NAME OCONEE 2
DATE 07/15/95
COMPLETED BY R. A. Williams
TELEPHONE (704)-382-5346

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 Licensee
Event Report (LER)
File (NUREG-0161)

(5)
Exhibit I - Same Source

DOCKET: 50 - 270

UNIT: Oconee 2

Date: 07/14/95

NARRATIVE SUMMARY

MONTH: June 1995

Oconee Unit 2 began the month of June operating at 100% full power. The unit operated at or near 100% full power for the entire 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: April 1996
3. Scheduled restart following refueling: May 1996

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: <u>177</u>
(b)	in the spent fuel pool: <u>950*</u>
(c)	in the ISFSI: <u>See unit 1 ****</u>
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: July 14, 1995

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 60 modules (1440 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OPERATING DATA REPORT

DOCKET NO 50-287

DATE July 14, 1995

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: June 1, 1995-June 30, 1995
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	4343.0	180047.0
12. Number Of Hours Reactor Was Critical	144.6	3767.6	139794.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	143.0	3766.0	138002.4
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	361176	9660816	343194585
17. Gross Electrical Energy Generated (MWH)	125304	3368487	118438252
18. Net Electrical Energy Generated (MWH)	116618	3223751	112970088
19. Unit Service Factor	19.9	86.7	76.7
20. Unit Availability Factor	19.9	86.7	76.7
21. Unit Capacity Factor (Using MDC Net)	19.2	87.7	73.3
22. Unit Capacity Factor (Using DER Net)	18.3	83.8	70.8
23. Unit Forced Outage Rate	0.0	0.0	10.0

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: July 17, 1995

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 July 14, 1995
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH June, 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>847</u>
2	<u>857</u>
3	<u>858</u>
4	<u>857</u>
5	<u>858</u>
6	<u>724</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>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1995

DOCKET NO. 50-287
 UNIT NAME OCONEE 3
 DATE 07/15/95
 COMPLETED BY R. A. Williams
 TELEPHONE (704)-382-5346

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	95- 6- 6	S	577.02	C	1		RC	FUELXX	END-OF-CYCLE 15 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 - 287

UNIT: Oconee 3

Date: 07/14/95

NARRATIVE SUMMARY

MONTH: June 1995

Oconee Unit 3 began the month of June operating at 100% full power. The unit operated at or near 100% full power until 06/06/95 at 1700, when the unit started decreasing power to begin end-of-cycle 15 refueling outage. The unit was taken off line 06/06/95 at 2259 for end-of-cycle 15 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 3
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: July 1995

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: <u>177</u>
(b)	in the spent fuel pool: <u>540</u>
(c)	in the ISFSI: <u>See Unit 1 ****</u>
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: July 14, 1995

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 60 modules (1440 spaces). Additional modules will be built on an as needed basis.

**** See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

May 1995

1. Personnel Exposure -

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