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 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.
 MOSER,S.W. Duke Power Co.
 TUCKER,H.B. Duke Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for June 1990 for Oconee Nuclear Station Units 1,2 & 3.W/900713 ltr.

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MOR
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Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

HAL B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

July 13, 1990

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 operating status of the Oconee Nuclear Station for the month of June 1990.

Very truly yours,

Hal B. Tucker

JAR/15/jar

Attachment

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

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

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

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, CT 06032

Ms. Vickie White
Nuclear Assurance Corporation
6251 Crooked Creek Road
Norcross, Georgia 30092

Mr. P.H. Skinner
NRC Resident Inspector
Oconee Nuclear Station

9007180224 900630
PDR ADOCK 05000269
R PDC

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-269

DATE July 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

1. Unit Name: Oconee 1
2. Reporting Period: June 1, 1990-June 30, 1990
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	148656.0
12. Number Of Hours Reactor Was Critical	586.5	3363.7	111510.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	579.6	3353.6	109065.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1394112	8482416	265196490
17. Gross Electrical Energy Generated (MWH)	478962	2954975	91840062
18. Net Electrical Energy Generated (MWH)	452419	2819766	87166185
19. Unit Service Factor	80.5	77.2	73.4
20. Unit Availability Factor	80.5	77.2	73.4
21. Unit Capacity Factor (Using MDC Net)	74.3	76.8	68.2
22. Unit Capacity Factor (Using DER Net)	70.9	73.3	66.1
23. Unit Forced Outage Rate	0.0	0.0	12.0

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 50-269
UNIT Oconee 1
DATE July 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH June, 1990

<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>0</u>	17	<u>827</u>
2	<u>0</u>	18	<u>827</u>
3	<u>0</u>	19	<u>850</u>
4	<u>0</u>	20	<u>851</u>
5	<u>0</u>	21	<u>851</u>
6	<u>0</u>	22	<u>851</u>
7	<u>365</u>	23	<u>850</u>
8	<u>607</u>	24	<u>851</u>
9	<u>621</u>	25	<u>850</u>
10	<u>707</u>	26	<u>850</u>
11	<u>777</u>	27	<u>850</u>
12	<u>782</u>	28	<u>849</u>
13	<u>808</u>	29	<u>849</u>
14	<u>826</u>	30	<u>848</u>
15	<u>827</u>		
16	<u>827</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1990

DOCKET NO. 50-269
 UNIT NAME OCONEE 1
 DATE 07/13/90
 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
1	90- 6- 1	S	140.43	C	1		RC	FUELXX	END OF CYCLE '12' REFUELING OUTAGE
5-P	90- 6- 6	S	--	B	--		IE	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
6-P	90- 6- 7	S	--	B	--		RC	INSTRU	POWER ESCALATION TESTING
7-P	90- 6- 8	S	--	A	--		IE	INSTRU	POWER IMBALANCE DETECTOR CORRECTION
8-P	90- 6- 9	S	--	B	--		RC	INSTRU	POWER ESCALATION 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: 50-269

UNIT: Oconee 1

DATE: 07/13/90

NARRATIVE SUMMARY

MONTH: June 1990

Oconee Unit 1 began the month of June shut down for its End-Of-Cycle '12' refueling outage. The unit was placed on-line to end the refueling outage at 2026 on 06/06, and began power escalation. The unit was held at 15% power from 2134 to 2235 on 06/06 for nuclear instrumentation calibration. After reaching 50% power, the unit was held from 1137 to 1722 on 06/07 for power escalation testing. The unit was next held at 73% power from 0215 on 06/08 to 1806 on 06/09 for a power imbalance detector correction. A hold at 80% power was conducted from 2041 on 06/09 to 0012 on 06/10 for power escalation testing. The unit reached 100% full power at 0141 on 06/19 after operating at 93% power from 0302 on 06/11 to 0804 on 06/13, and at 96% power from 0919 on 06/13 to 0026 on 06/19 due to '1D2' heater drain pump repairs. The unit operated at 100% full 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: July 1991
3. Scheduled restart following refueling: September 1991
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: 1086*
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: July 13, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

**On January 29, 1990, received a license for the ISFSI which will store 2112 assemblies.

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-270

DATE July 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

1. Unit Name: Oconee 2
2. Reporting Period: June 1, 1990-June 30, 1990
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	138576.0
12. Number Of Hours Reactor Was Critical	720.0	4343.0	107422.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4343.0	105792.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1850184	11126424	254305646
17. Gross Electrical Energy Generated (MWH)	636781	3855728	86649517
18. Net Electrical Energy Generated (MWH)	609328	3695991	82440908
19. Unit Service Factor	100.0	100.0	76.3
20. Unit Availability Factor	100.0	100.0	76.3
21. Unit Capacity Factor (Using MDC Net)	100.0	100.6	69.2
22. Unit Capacity Factor (Using DER Net)	95.5	96.1	67.1
23. Unit Forced Outage Rate	0.0	0.0	10.3

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

Refueling - September 6, 1990 - 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 50-270
UNIT Oconee 2
DATE July 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH June, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>849</u>	17	<u>847</u>
2	<u>850</u>	18	<u>846</u>
3	<u>849</u>	19	<u>845</u>
4	<u>848</u>	20	<u>845</u>
5	<u>849</u>	21	<u>846</u>
6	<u>849</u>	22	<u>846</u>
7	<u>849</u>	23	<u>845</u>
8	<u>848</u>	24	<u>845</u>
9	<u>848</u>	25	<u>844</u>
10	<u>848</u>	26	<u>844</u>
11	<u>848</u>	27	<u>844</u>
12	<u>848</u>	28	<u>844</u>
13	<u>848</u>	29	<u>841</u>
14	<u>847</u>	30	<u>835</u>
15	<u>847</u>		
16	<u>847</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1990

DOCKET NO. 50-270
 UNIT NAME OCONEE 2
 DATE 07/13/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

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
		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 NO: 50-270

UNIT: Oconee 2

DATE: 07/13/90

NARRATIVE SUMMARY

MONTH: June 1990

Oconee Unit 2 began the month of June operating at 100% full power.

The unit operated at 100% full power until 1749 on 06/29, when the unit was reduced to 99% power for second stage reheater drain valve maintenance. The unit ended the month operating at 99% 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: September 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: 1086*
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: July 13, 1990

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

DOCKET NO 50-287

DATE July 13, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: June 1, 1990-June 30, 1990
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	136223.0
12. Number Of Hours Reactor Was Critical	720.0	4318.9	102580.3
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4307.5	101072.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1846488	11041368	249351489
17. Gross Electrical Energy Generated (MWH)	641807	3852622	85925897
18. Net Electrical Energy Generated (MWH)	615084	3695678	81918445
19. Unit Service Factor	100.0	99.2	74.2
20. Unit Availability Factor	100.0	99.2	74.2
21. Unit Capacity Factor (Using MDC Net)	101.0	100.6	70.0
22. Unit Capacity Factor (Using DER Net)	96.4	96.0	67.8
23. Unit Forced Outage Rate	0.0	0.8	11.5
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

OPERATING DATA REPORT

DOCKET NO 50-287
UNIT Oconee 3
DATE July 13, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH June, 1990

<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>851</u>	17	<u>858</u>
2	<u>848</u>	18	<u>857</u>
3	<u>850</u>	19	<u>857</u>
4	<u>847</u>	20	<u>856</u>
5	<u>850</u>	21	<u>856</u>
6	<u>851</u>	22	<u>856</u>
7	<u>855</u>	23	<u>855</u>
8	<u>860</u>	24	<u>856</u>
9	<u>859</u>	25	<u>855</u>
10	<u>859</u>	26	<u>820</u>
11	<u>859</u>	27	<u>856</u>
12	<u>859</u>	28	<u>855</u>
13	<u>859</u>	29	<u>855</u>
14	<u>858</u>	30	<u>855</u>
15	<u>858</u>		
16	<u>858</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1990

DOCKET NO. 50-287
 UNIT NAME OCONEE 3
 DATE 07/13/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

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
		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 NO: 50-287

UNIT: Oconee 3

DATE: 07/13/90

NARRATIVE SUMMARY

MONTH: June 1990

Oconee Unit 3 began the month of June operating at 100% full power.

The unit operated at or near 100% full power for the entire month, 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: February 1991
3. Scheduled restart following refueling: March 1991
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: 600
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: July 13, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

** See footnote on Unit 1

OCONEE NUCLEAR STATION
MONTHLY OPERATING STATUS REPORT

May 1990

1. Personnel Exposure -

For the month of May, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

2. 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.