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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
 REAVIS,J.A. Duke Power Co.
 TUCKER,H.B. Duke Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1987.W/880115 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:AEOD/Ornstein:1cy. 05000269
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OPERATING DATA REPORT

DOCKET 50-269

DATE 1-15-88

OPERATING STATUS

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: OCONEE 1
2. Reporting Period: DECEMBER 1, 1987-DECEMBER 31, 1987
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross) 899
7. Maximum Dependable Capacity (Net MWe): 860
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 weight-
ed 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	744.0	8,760.0	126,769.0
12. Number Of Hours Reactor Was Critical	744.0	6,913.8	93,308.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	6,694.7	89,696.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1,908,744	15,558,960	216,485,065
17. Gross Electrical Energy Generated (MWH)	660,342	5,313,787	75,107,657
18. Net Electrical Energy Generated (MWH)	631,314	5,028,061	71,211,105
19. Unit Service Factor	100.0	76.4	70.8
20. Unit Availability Factor	100.0	76.4	70.8
21. Unit Capacity Factor (Using MDC Net)	98.7	66.7	65.2
22. Unit Capacity Factor (Using DER Net)	95.8	64.8	63.4
23. Unit Forced Outage Rate	0.0	0.5	13.9
24. Shutdowns 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

IE24
+1/1

8801210032 871231
PDR ADDCK 05000269
R DCD

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-269
 UNIT Oconee 1
 DATE January 15, 1988
 COMPLETED J. A. Reavis
 TELEPHONE 704-373-7567

MONTH DECEMBER, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	847
2	847
3	847
4	848
5	848
6	849
7	848
8	849
9	849
10	848
11	848
12	848
13	848
14	849
15	848
16	849

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
17	849
18	850
19	849
20	850
21	849
22	849
23	849
24	849
25	849
26	848
27	848
28	848
29	849
30	849
31	849

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269

UNIT NAME OCONEE 1

DATE 01/15/88

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

REPORT MONTH December 1987

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: 50-269

UNIT: Oconee 1

DATE: 01/15/88

NARRATIVE SUMMARY

Month: December, 1987

Oconee Unit 1 operated at 100% full power for the entire month of December.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: February, 1989
3. Scheduled restart following refueling: April, 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: 874*
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: August, 1991

DUKE POWER COMPANY

DATE: January 15, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

OPERATING DATA REPORT

DOCKET 50-270

DATE 1-15-88

OPERATING STATUS

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: OCONEE 2
2. Reporting Period: DECEMBER 1, 1987-DECEMBER 31, 1987
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross 899
7. Maximum Dependable Capacity (Net MWe): 860
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 weight-
ed average for maximum
dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): 700
10. Reason For Restrictions, If any: Due to High Feedwater level in the "B" Steam Generator.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	8,760.0	116,689.0
12. Number Of Hours Reactor Was Critical	744.0	8,604.9	88,696.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	8,567.0	87,293.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1,617,216	19,351,824	207,640,102
17. Gross Electrical Energy Generated (MWH)	540,930	6,549,160	70,682,681
18. Net Electrical Energy Generated (MWH)	513,702	6,228,692	67,197,318
19. Unit Service Factor	100.0	97.8	74.8
20. Unit Availability Factor	100.0	97.8	74.8
21. Unit Capacity Factor (Using MDC Net)	80.3	82.7	66.8
22. Unit Capacity Factor (Using DER Net)	77.9	80.3	65.0
23. Unit Forced Outage Rate	0.0	2.2	11.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - February 3, 1988 - 10 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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-270
UNIT Oconee 2
DATE January 15, 1988
COMPLETED J. A. Reavis
TELEPHONE 704-373-7567

MONTH DECEMBER, 1987

DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	702	17	696
2	702	18	703
3	702	19	703
4	700	20	702
5	701	21	702
6	702	22	700
7	703	23	692
8	702	24	680
9	702	25	658
10	699	26	653
11	698	27	653
12	698	28	651
13	698	29	649
14	696	30	671
15	696	31	696
16	693		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270

UNIT NAME OCONEE 2

DATE 01/15/88

REPORT MONTH December 1987

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

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
35-p	87-12- 1	F	--	A	--		CH	HTEXCH	HIGH LEVEL IN 'B' STEAM GENERATOR
36-p	87-12-23	F	--	A	--		HJ	HTEXCH	HIGH LEVEL IN FEEDWATER HEATER
37-p	87-12-23	F	--	A	--		HJ	HTEXCH	HIGH LEVEL IN FEEDWATER HEATER
38-p	87-12-25	F	--	A	--		HJ	HTEXCH	HIGH LEVEL IN FEEDWATER HEATER AND FEEDWATER SWING
39-p	87-12-31	F	--	A	--		CH	HTEXCH	HIGH LEVEL IN 'B' STEAM GENERATOR

(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: 01/15/88

NARRATIVE SUMMARY

Month: December, 1987

Oconee Unit 2 began the month of December operating at 87% power, limited by high level in the "B" Steam Generator. On 12/23 at 1324, the unit was reduced to 84% and then to 83% power, due to high level in the "2A2" Feedwater Heater. The unit operated at 83% power until 12/25 at 0340 when a Feedwater swing prompted a reduction to 80% power. The unit then operated at 80% power until 12/30 at 0230. The unit then began to increase load, reaching 86% power at 0630 on 12/31, where it operated for the remainder of the month, limited by high level in the "B" Steam Generator.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: February, 1988
3. Scheduled restart following refueling: April, 1988
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: 874*
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: August, 1991

DUKE POWER COMPANY

DATE: January 15, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

OPERATING DATA REPORT

DOCKET 50-287

DATE 1-15-88

OPERATING STATUS

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: OCONEE 3
2. Reporting Period: DECEMBER 1, 1987-DECEMBER 31, 1987
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross 899
7. Maximum Dependable Capacity (Net MWe): 860
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 weight-
ed 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	744.0	8,760.0	114,336.0
12. Number Of Hours Reactor Was Critical	744.0	6,142.2	83,348.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	6,069.9	81,985.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1,909,968	15,452,352	200,899,462
17. Gross Electrical Energy Generated (MWH)	659,668	5,329,471	69,210,545
18. Net Electrical Energy Generated (MWH)	632,254	5,084,967	65,928,630
19. Unit Service Factor	100.0	69.3	71.7
20. Unit Availability Factor	100.0	69.3	71.7
21. Unit Capacity Factor (Using MDC Net)	98.8	67.5	66.9
22. Unit Capacity Factor (Using DER Net)	95.9	65.5	65.1
23. Unit Forced Outage Rate	0.0	3.6	13.2
24. Shutdowns 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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-287

UNIT Oconee 3

DATE January 15, 1988

COMPLETED J. A. Reavis

TELEPHONE 704-373-7567

MONTH DECEMBER, 1987

DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	848
2	847
3	846
4	848
5	850
6	851
7	850
8	849
9	849
10	848
11	849
12	850
13	851
14	851
15	850
16	849

DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)
17	836
18	851
19	852
20	851
21	851
22	851
23	852
24	852
25	852
26	852
27	851
28	852
29	852
30	851
31	851

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287UNIT NAME OCONEE 3DATE 01/15/88REPORT MONTH December 1987COMPLETED BY J. A. REAVISTELEPHONE (704)-373-7567

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
13-p	87-12-17	F	--	A	--		HH	VALVEX	FEEDWATER SWING CAUSED BY STICKING FEEDWATER CONTROL VALVE

(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: 01/15/88

NARRATIVE SUMMARY

Month: December, 1987

Oconee Unit 3 began the month of December operating at 100% full power. At 0533 on 12/17, the unit was reduced to 94% power due to a Feedwater swing caused by a stuck Feedwater Control Valve. The unit returned to 100% at 1454 on 12/17, where it operated for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: July, 1988
3. Scheduled restart following refueling: September, 1988
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: 513
8. Present licensed fuel pool capacity: 875
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1991

DUKE POWER COMPANY

DATE: January 15, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OCONEE NUCLEAR STATION
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

For the month of November, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

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

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

January 15, 1988


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 December, 1987.

Very truly yours,



Hal B. Tucker

JAR/1238/sbn

Attachment

xc: Dr. J. Nelson Grace
Regional Administrator/Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Phil Ross
U. S. Nuclear Regulatory Commission
MNBB-5715
Washington, D. C. 20555

Ms. Helen Pastis, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

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

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

Mr. Robert G. Rogers
Nuclear Assurance Corporation
6251 Crooked Creek Road
Norcross, Georgia 30092

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