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

SUBJECT: Monthly operating repts for Aug 1988 for Oconee Nuclear Station Units 1,2 & 3.W/880915 ltr.

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RIDS/ADDS

OPERATING DATA REPORT

DOCKET NO 50-269
DATE September 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 1
2. Reporting Period: August 1, 1988-August 31, 1988
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	744.0	5855.0	132624.0
12. Number Of Hours Reactor Was Critical	744.0	5840.0	97846.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	721.7	5813.7	95517.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1756512	14556216	231041298
17. Gross Electrical Energy Generated (MWH)	589202	4992279	80099936
18. Net Electrical Energy Generated (MWH)	559505	4766451	75977556
19. Unit Service Factor	97.0	99.3	72.0
20. Unit Availability Factor	97.0	99.3	72.0
21. Unit Capacity Factor (Using MDC Net)	88.9	96.2	66.5
22. Unit Capacity Factor (Using DER Net)	84.9	91.8	64.6
23. Unit Forced Outage Rate	3.0	0.7	13.2

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - January 11, 1989 - 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	_____	_____

1524
1/1

OPERATING DATA REPORT

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

MONTH August, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	824	17	820
2	827	18	820
3	827	19	819
4	816	20	819
5	826	21	819
6	826	22	819
7	825	23	819
8	824	24	817
9	824	25	814
10	823	26	605
11	822	27	589
12	823	28	595
13	823	29	584
14	823	30	0
15	822	31	417
16	821		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1988

DOCKET NO. 50-269
UNIT NAME OCONEE 1
DATE 09/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
20-p	88- 8- 4	F	--	A	--		HA	MECFUN	ALTEREX COUPLING GREASE LEAK
21-p	88- 8-25	F	--	A	--		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' LOW OIL LEVEL ALARM
22-p	88- 8-26	F	--	B	--		IE	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
23-p	88- 8-27	F	--	A	--		CB	PUMPXX	POWER LIMITED DUE TO '1B2' REACTOR COOLANT PUMP OUT OF SERVICE DUE TO LOW OIL LEVEL
2	88- 8-30	F	22.27	A	1		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' OIL ADDITION
24-p	88- 8-31	F	--	A	--		HJ	PUMPXX	POWER REDUCTION DUE TO '1D2' HEATER DRAIN PUMP TRIP

(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: 09/15/88

NARRATIVE SUMMARY

Month: August, 1988

Oconee Unit 1 began the month of August operating at 100% full power. On 8/04 at 1155, the unit began reducing power to 92% to investigate an Alterex coupling grease leak. The unit then returned to 100% power at 1828 on 8/04. The unit then began to reduce power to 67% on 8/25, due to a low level oil alarm on the "1B2" Reactor Coolant Pump. Following a hold at 72% for nuclear instrumentation calibration, the unit reached 74% power at 1037 on 8/27, limited by loss of the "1B2" Reactor Coolant Pump due to low oil level. On 8/29, the unit began a controlled shutdown to allow oil addition to the "1B2" Reactor Coolant Pump. The unit was removed from service at 0148 on 8/30 and returned at 0004 on 8/31, following the oil addition. The unit then reached 79% power at 1720 on 8/31, where power was held due to Heater Drain Pump problems. The unit finished the month of August at 79% power, limited by Heater Drain Pump problems.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1

2. Scheduled next refueling shutdown: January, 1989

3. Scheduled restart following refueling: February, 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: 935*

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: September 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 NO 50-270
DATE September 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 2
2. Reporting Period: August 1, 1988-August 31, 1988
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	744.0	5855.0	122544.0
12. Number Of Hours Reactor Was Critical	741.2	4060.2	92764.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	735.8	3952.6	91245.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1873608	9643584	217283702
17. Gross Electrical Energy Generated (MWH)	632010	3256471	73939152
18. Net Electrical Energy Generated (MWH)	603050	3095123	70292441
19. Unit Service Factor	98.9	67.5	74.5
20. Unit Availability Factor	98.9	67.5	74.5
21. Unit Capacity Factor (Using MDC Net)	95.8	62.5	66.6
22. Unit Capacity Factor (Using DER Net)	91.5	59.6	64.7
23. Unit Forced Outage Rate	1.1	7.0	11.7

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	_____	_____

OPERATING DATA REPORT

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

MONTH August, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	831	17	828
2	833	18	826
3	833	19	826
4	832	20	826
5	832	21	826
6	832	22	827
7	831	23	827
8	831	24	825
9	831	25	824
10	829	26	535
11	823	27	568
12	829	28	829
13	830	29	829
14	830	30	825
15	829	31	825
16	828		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1988

DOCKET NO. 50-270
UNIT NAME OCONEE 2
DATE 09/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
4	88- 8-26	F	8.17	A	3		HB	ACCUMU	REACTOR/TURBINE TRIP DUE TO HIGH MOISTURE SEPARATOR DRAIN TANK LEVEL
24-p	88- 8-27	F	--	F	--		RC	XXXXXX	REACTOR POWER IMBALANCE

(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: 09/15/88

NARRATIVE SUMMARY

Month: August, 1988

Oconee Unit 2 began the month of August operating at 100% full power. On 8/26 at 1557, the unit experienced a Reactor/Turbine trip due to a high moisture separator drain tank level signal. The unit returned to service at 0007 on 8/27, and following a hold at 43% due to a Reactor power imbalance, returned to 100% power at 1648 on 8/27. The unit then operated at 100% power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2

2. Scheduled next refueling shutdown: June, 1989

3. Scheduled restart following refueling: July, 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: 935*

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: September 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 NO 50-287
DATE September 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 3
2. Reporting Period: August 1, 1988-August 31, 1988
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	744.0	5855.0	120191.0
12. Number Of Hours Reactor Was Critical	237.6	4832.3	88181.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	236.2	4823.7	86809.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	602760	12174176	213073652
17. Gross Electrical Energy Generated (MWH)	201928	4178065	73388610
18. Net Electrical Energy Generated (MWH)	190607	3995258	69923888
19. Unit Service Factor	31.8	82.4	72.2
20. Unit Availability Factor	31.8	82.4	72.2
21. Unit Capacity Factor (Using MDC Net)	30.3	80.7	67.6
22. Unit Capacity Factor (Using DER Net)	28.9	77.0	65.6
23. Unit Forced Outage Rate	0.0	9.8	13.0

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: September 25, 1988
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 September 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH August, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	826	17	0
2	825	18	0
3	825	19	0
4	824	20	0
5	824	21	0
6	823	22	0
7	822	23	0
8	822	24	0
9	822	25	0
10	631	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1988

DOCKET NO. 50-287
UNIT NAME OCONEE 3
DATE 09/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
5	88- 8-10	S	507.78	C	1		RC	FUELXX	END OF CYCLE 10 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 NO: 50-287

UNIT: Oconee 3

DATE: 09/15/88

NARRATIVE SUMMARY

Month: August, 1988

Oconee Unit 3 began the month of August at 100% full power. The unit began to reduce power at 1700 on 8/10 to come off line for its End of Cycle 10 Refueling Outage. The unit was removed from service at 2013 on 8/10, and remained off line for the balance of the month for refueling purposes.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3

2. Scheduled next refueling shutdown: Currently Refueling

3. Scheduled restart following refueling:

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

   If yes, what will these be? Changes to Min. Boric Acid Concentration In CBAST and BWST and Changes To Power Imbalance Curve.

   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: 548

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: September 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 July, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for July 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 July 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 33198
Charlotte, N.C. 28242

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

DUKE POWER

September 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 August, 1988.

Very truly yours,

Hal B. Tucker

JAR/15/lcs

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
The Exchange, Suite 245
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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