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DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

July 17, 1978

TELEPHONE: AREA 704
373-4083

Director
Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

RE: Oconee Nuclear Station
Docket Nos. 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, 1978.

Very truly yours,

William O. Parker, Jr.

JAR:scs
Attachments

cc: Mr. J. P. O'Reilly
Mr. T. Cintula

A008
S 1/1

OPERATING DATA REPORT

DOCKET NO. 50-269
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: June, 1978
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 887
6. Maximum Dependable Capacity (Gross MWe): 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:
   None

Notes
Year-to-date & cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	4,343.0	43,464.0
12. Number Of Hours Reactor Was Critical	546.3	3,404.2	31,143.3
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	533.5	3,366.0	28,787.7
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1,306,959	8,454,226	67,077,081
17. Gross Electrical Energy Generated (MWH)	456,160	2,952,420	23,262,060
18. Net Electrical Energy Generated (MWH)	432,115	2,811,883	21,988,810
19. Unit Service Factor	74.1	77.5	66.2
20. Unit Availability Factor	74.1	77.5	66.3
21. Unit Capacity Factor (Using MDC Net)	69.8	75.3	58.5
22. Unit Capacity Factor (Using DER Net)	67.7	73.0	57.0
23. Unit Forced Outage Rate	25.9	22.5	19.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling August 20, 1978 - 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		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June, 1978

DOCKET NO. 50-269
UNIT NAME Oconee Unit 1
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
12	78-06-01	F	6.10	A	3		HH	VALVEX	The emergency dump valve (HD-28) on "B" moisture separator drain tank failed to function properly causing a high level trip.
13	78-06-02	F	-	D	--		RC	FUELXX	Xenon hold at 90% power
14	78-06-15	F	180.39	A	1		CA	VALVEX	Pressurizer sample line valve (RC-16) packing leak. Replaced valve.
15	78-06-23	F	-	D	--		RC	FUELXX	Xenon hold at 76% power
16	78-06-25	F	-	D	--		RC	FUELXX	Xenon hold at 90% power

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-Operational 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

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269
UNIT Oconee Unit 1
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

MONTH JUNE, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	554	17	-
2	710	18	-
3	821	19	-
4	860	20	-
5	858	21	-
6	854	22	-
7	840	23	198
8	849	24	651
9	853	25	733
10	861	26	836
11	859	27	859
12	856	28	860
13	854	29	861
14	853	30	859
15	764	31	-
16	-		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee 1.

2. Scheduled next refueling shutdown: August 20, 1978.

3. Scheduled restart following refueling: October 8, 1978.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
   If yes, what will these be? Amendment to incorporate technical specifications for Oconee Nuclear Station Unit 1, Cycle 5.

   Submitted June 26, 1978.

   If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? _____.
   If no, when is review scheduled? _____.

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: 119.

8. Present licensed fuel pool capacity: 306.
   Size of requested or planned increase: No increase planned.

9. Projected date of last refueling which can be accommodated by present licensed capacity: 3/3/80 assuming no transfers to McGuire.

DUKE POWER COMPANY

Date: July 17, 1978.

Name of Contact: Jerel A. Reavis.

DOCKET NO: 50-269

UNIT: Oconee Unit 1

DATE: 07-17-78

NARRATIVE SUMMARY

MONTH: June, 1978

Oconee 1 began the month of June at 95% power due to a high condensate flow condition exceeding normal capacity of the polishing demineralizer cells. On June 1, 1978, at 16:04 hours, the turbine tripped due to a high level in the "B" MSDT caused by the failure of valve HD-28 (emergency dump valve) to function properly. The reactor tripped from high pressure. The unit was returned to service at 22:10 hrs. and after normal holds, reached near rated power on June 3, 1978. On June 15, 1978, the unit was removed from service because of packing leakage on valve RC-16 (pressurizer sample line). The valve was replaced and the unit returned to service on June 23, 1978 at 12:08 hrs. After xenon holds, near rated power was reached on June 26, 1978.

OPERATING DATA REPORT

DOCKET NO. 50-270
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: June, 1978
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 887
6. Maximum Dependable Capacity (Gross MWe): 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:
   None

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): None
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	4,343.0	33,384.0
12. Number Of Hours Reactor Was Critical	720.0	3,531.1	23,218.6
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	720.0	3,507.0	22,590.1
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1,820,145	8,804,941	53,503,816
17. Gross Electrical Energy Generated (MWH)	619,960	3,013,300	18,216,026
18. Net Electrical Energy Generated (MWH)	593,209	2,878,485	17,287,668
19. Unit Service Factor	100.0	80.8	67.7
20. Unit Availability Factor	100.0	80.8	67.7
21. Unit Capacity Factor (Using MDC Net)	95.8	77.1	59.8
22. Unit Capacity Factor (Using DER Net)	92.9	74.7	58.4
23. Unit Forced Outage Rate	0.0	19.3	23.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling October 15, 1978 - 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		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June, 1978

DOCKET NO. 50-270
UNIT NAME Oconee Unit 2
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
23	78-06-30	F	-	B	--		IA	CRDRVE	Performing CRD movement test to determine performance of control rod #6 on Group 4.
24	78-06-30	F	-	D	--		RC	FUELXX	Xenon hold

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational 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 (NURLG-0161)

5
Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270
UNIT Oconee Unit 2
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

MONTH JUNE, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	823	17	822
2	830	18	829
3	837	19	831
4	728	20	829
5	810	21	828
6	834	22	828
7	828	23	829
8	830	24	831
9	832	25	824
10	831	26	833
11	831	27	829
12	834	28	833
13	834	29	834
14	832	30	763
15	833	31	
16	829		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee 2.

2. Scheduled next refueling shutdown: October 15, 1978.

3. Scheduled restart following refueling: November 26, 1978.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
   If yes, what will these be? Amendment to incorporate technical specifications for Oconee Nuclear Station Unit 2, Cycle 4.

   If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? _____.
   If no, when is review scheduled? _____.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: August 30, 1978.

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: See Oconee.

8. Present licensed fuel pool capacity: See Oconee 1.
   Size of requested or planned increase: See Oconee 1.

9. Projected date of last refueling which can be accommodated by present licensed capacity: 3/3/80 assuming no transfers to McGuire.

DUKE POWER COMPANY

Date: July 17, 1978.

Name of Contact: Jerel A. Reavis.

DOCKET NO: 50-270

UNIT: Oconee Unit 2

DATE: 07-17-78

NARRATIVE SUMMARY

MONTH: June, 1978

Unit 2 operated at near rated power the month of June except for reductions requested by the dispatcher because of system minimum load conditions. On June 30, 1978, at 20:00 hrs., power was reduced to 55% to perform a CRD movement test determining the performance of control rod 6 on Group 4 which had an indicated fault. After performing the test, power was further reduced to approximately 27% due to xenon buildup and ended the month in a xenon hold condition.

OPERATING DATA REPORT

DOCKET NO. 50-287
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8550

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: June, 1978
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 887
6. Maximum Dependable Capacity (Gross MWe): 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:
   None

Notes

Year-to-date and cumulative capacity factors are calculated using a weighed average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	4,343.0	31,031.0
12. Number Of Hours Reactor Was Critical	145.8	3,646.6	23,811.2
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	141.7	3,599.4	23,173.1
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	324,674	8,817,523	55,050,843
17. Gross Electrical Energy Generated (MWH)	111,790	3,086,290	19,038,134
18. Net Electrical Energy Generated (MWH)	104,448	2,948,566	18,121,173
19. Unit Service Factor	19.7	82.9	74.7
20. Unit Availability Factor	19.7	82.9	74.7
21. Unit Capacity Factor (Using MDC Net)	16.9	78.9	67.4
22. Unit Capacity Factor (Using DER Net)	16.4	76.5	65.8
23. Unit Forced Outage Rate	0.0	4.3	12.9

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

25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 16, 1978
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June, 1978

DOCKET NO. 50-287
UNIT NAME Oconee Unit 3
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
16	78-06-05	S	-	B	--		ZZ	ZZZZZZ	Technical Services Group doing testing at selected intervals during shutdown.
17	78-06-05	F	-	A	--		1B	INSTRU	A control problem causing the reactor limit on loop "B" temperature average to swing initiated a runback to 55% power.
18	78-06-06	S	578.27	C	1		RC	FUELXX	Scheduled refueling

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-Operational 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

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287
UNIT Oconee Unit 3
DATE 07-17-78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

MONTH JUNE, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	860	17	-
2	853	18	-
3	851	19	-
4	849	20	-
5	753	21	-
6	264	22	-
7	-	23	-
8	-	24	-
9	-	25	-
10	-	26	-
11	-	27	-
12	-	28	-
13	-	29	-
14	-	30	-
15	-	31	
16	-		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee 3.

2. Scheduled next refueling shutdown: July 29, 1979.

3. Scheduled restart following refueling: September 16, 1979.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
   If yes, what will these be? Amendment to incorporate technical specifications for Oconee Nuclear Station Unit 3, Cycle 5.

   If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? _____.
   If no, when is review scheduled? _____.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: June 16, 1979.

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: 318.

8. Present licensed fuel pool capacity: 465.
   Size of requested or planned increase: no increase planned.

9. Projected date of last refueling which can be accommodated by present licensed capacity: 3/30/80 assuming no transfers to McGuire.

DUKE POWER COMPANY Date: July 17, 1978.

Name of Contact: Jerel A. Reavis.

DOCKET NO: 50-287

UNIT: Oconee Unit 3

DATE: 07-17-78

NARRATIVE SUMMARY

MONTH: June, 1978

The month began with the unit operating at near rated power. On June 5, 1978, at 12:00 hrs. power reductions in 10% incruments began for testing prior to a scheduled refueling shutdown. At 90% power, a control problem causing the reactor limit on loop "B" temperature average to swing initiated a control run-back to 55% power. After the condition was corrected, power was increased to 80% and testing continued. The unit began a refueling outage on June 6, 1978 at 21:44 hrs. and continued through the remainder of the month.

CONEE NUCLEAR STATION
MONTHLY OPERATING REPORT
JUNE, 1978

1. Personnel Exposure

For the month of May 4 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.310 Rem, which represents approximately 10.9% of the allowable annual limit.

2. Radioactive Waste Releases

The total station liquid release for May has been compared with the Technical Specifications annual value of 15 curies; the total release for May was less than 10 percent of this limit.

The total station gaseous release for May has been compared with the derived Technical Specification annual value of 51,000 curies; the total release for May was less than 10 percent of this limit.