

# OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: November, 1979
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): 899
7. Maximum Dependable Capacity (Net MWe): 860

### Notes

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

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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	8,016.0	55,897.0
12. Number Of Hours Reactor Was Critical	505.4	6,286.8	40,514.5
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	502.0	6,222.3	37,947.0
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,148,191	15,248,956	89,218,119
17. Gross Electrical Energy Generated (MWH)	393,340	5,273,120	30,914,300
18. Net Electrical Energy Generated (MWH)	371,484	5,003,030	29,234,352
19. Unit Service Factor	69.7	77.6	67.9
20. Unit Availability Factor	69.7	77.6	67.9
21. Unit Capacity Factor (Using MDC Net)	60.0	72.6	60.6
22. Unit Capacity Factor (Using DER Net)	58.2	70.4	59.0
23. Unit Forced Outage Rate	0.0	18.3	18.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling - November 21 - 11 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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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384

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1979

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
31	79-11-01	F	--	D	--		HA	FILTER	Continuation of 5% power reduction due to high condensate flow with heaters 1B-1 and 1B-2 out of service.
32	79-11-09	F	--	A	--		HJ	PIPEXX	Reduction to isolate extraction steam to "D" heaters due to expansion joint leak.
33	79-11-09	F	--	A	--		HA	TURBIN	Reduction in power due to turbine bearing #3 vibration high.
34	79-11-21	S	218.05	C	1		RC	FUELXX	Scheduled refueling. NRC-IE Bulletin 79-02 and 79-14 in progress.

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 12/14/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH November, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>790</u>
2	<u>791</u>
3	<u>790</u>
4	<u>789</u>
5	<u>789</u>
6	<u>788</u>
7	<u>787</u>
8	<u>786</u>
9	<u>717</u>
10	<u>702</u>
11	<u>712</u>
12	<u>721</u>
13	<u>720</u>
14	<u>724</u>
15	<u>724</u>
16	<u>725</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>724</u>
18	<u>722</u>
19	<u>713</u>
20	<u>729</u>
21	<u>611</u>
22	<u>--</u>
23	<u>--</u>
24	<u>--</u>
25	<u>--</u>
26	<u>--</u>
27	<u>--</u>
28	<u>--</u>
29	<u>--</u>
30	<u>--</u>
31	<u>  </u>

## 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 Unit 1
2. Scheduled next refueling shutdown: Unknown
3. Scheduled restart following refueling: Unknown
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.  
If yes, what will these be? Technical Specification Revision
5. If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? NA.  
If no, when is review scheduled? NA
6. Scheduled date(s) for submitting proposed licensing action and supporting information: August 6, 1979
7. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). None
8. Number of fuel assemblies (a) in the core: 177  
(b) in the spent fuel pool: 545 (station total)
9. Present licensed fuel pool capacity: 750  
Size of requested or planned increase: No planned increase
10. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1980 assuming no transfer to McGuire

DUKE POWER COMPANY

Date: December 14, 1979

Name of Contact: J. A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 12/14/79

### NARRATIVE SUMMARY

MONTH: November, 1979

Oconee 1 began the month with a reduction of 5% power due to high condensate flow with both "B" heaters out of service. A further reduction was made on November 9 to isolate the steam extraction line to "D" heaters because of a leaking expansion joint. High vibration on turbine bearing #3 prevented the return to the previous power level.

On November 21 the unit was shutdown to begin a scheduled refueling and other planned maintenance which continued the remainder of the month.

# OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: November, 1979
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): 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	8,016.0	45,817.0
12. Number Of Hours Reactor Was Critical	720.0	6,853.4	32,851.9
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	720.0	6,790.9	32,032.1
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,806,947	16,667,709	76,160,094
17. Gross Electrical Energy Generated (MWH)	606,640	5,630,660	25,874,206
18. Net Electrical Energy Generated (MWH)	578,890	5,355,898	24,551,368
19. Unit Service Factor	100.0	84.7	69.9
20. Unit Availability Factor	100.0	84.7	69.9
21. Unit Capacity Factor (Using MDC Net)	93.5	77.7	62.0
22. Unit Capacity Factor (Using DER Net)	90.8	75.4	60.5
23. Unit Forced Outage Rate	0.0	11.0	20.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling - February 3 - 11 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1979

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
43	79-11-09	S	--	B	--		ZZ	ZZZZZZ	Power reduction to 50% for test RT/O/A/0600/17 (withdrawal of Gp. 7 control rods)

<sup>1</sup>  
 F- Forced  
 S- Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270

UNIT Oconee Unit 2

DATE 12/14/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH November, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	818
2	819
3	817
4	819
5	818
6	816
7	819
8	817
9	780
10	514
11	782
12	807
13	810
14	809
15	817
16	811

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	811
18	811
19	811
20	817
21	822
22	817
23	814
24	817
25	820
26	823
27	824
28	823
29	822
30	816
31	

## 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 Unit 2
2. Scheduled next refueling shutdown: February, 1980
3. Scheduled restart following refueling: April, 1980
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.  
If yes, what will these be? Technical Specification Revision
5. If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? NA.  
If no, when is review scheduled? NA
6. Scheduled date(s) for submitting proposed licensing action and supporting information: November 14, 1979
7. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). None
8. Number of fuel assemblies (a) in the core: 177.  
(b) in the spent fuel pool: 545 (station total)
9. Present licensed fuel pool capacity: 750.  
Size of requested or planned increase: No planned increase
10. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1980 assuming no transfer to McGuire

DUKE POWER COMPANY

Date: December 14, 1979

Name of Contact: J. A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 12/14/79

### NARRATIVE SUMMARY

MONTH: . November, 1979

Oconee 2 began the month of November at near rated power. A planned reduction in power to 50% to perform test PT/O/A/0600/17 (withdrawal of Group 7 control rods) on November 9 was the only reduction of the month.

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: November, 1979
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): 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	8,016.0	43,464.0
12. Number Of Hours Reactor Was Critical	555.1	3,383.1	31,149.9
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	548.2	3,295.9	30,317.6
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,170,537	7,960,470	72,483,508
17. Gross Electrical Energy Generated (MWH)	402,360	2,781,570	25,094,064
18. Net Electrical Energy Generated (MWH)	379,392	2,630,234	23,867,261
19. Unit Service Factor	76.1	41.1	69.8
20. Unit Availability Factor	76.1	41.1	69.8
21. Unit Capacity Factor (Using MDC Net)	61.3	38.2	63.5
22. Unit Capacity Factor (Using DER Net)	59.5	37.0	62.0
23. Unit Forced Outage Rate	23.9	49.4	18.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

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 November 1979

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
19	79-11-01	S	--	B	--		ZZ	ZZZZZZ	Power physics testing at 40%, 75%, and 90% with minor problems. Reached near rated power on 11/9/79.
20	79-11-10	F	171.84	A	3		HC	INSTRU	False signal of low hotwell level initiated unit trip. ICS inverter problem extended outage.
21	79-11-18	F	--	A	--		SF	PUMPXX	Hold in power increase for 3A HPI pump maintenance.

<sup>1</sup>  
 F - Forced  
 S - Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287  
 UNIT Oconee Unit 3  
 DATE 12/14/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

MONTH November, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>304</u>
2	<u>299</u>
3	<u>405</u>
4	<u>600</u>
5	<u>626</u>
6	<u>591</u>
7	<u>628</u>
8	<u>656</u>
9	<u>811</u>
10	<u>527</u>
11	<u>--</u>
12	<u>--</u>
13	<u>--</u>
14	<u>--</u>
15	<u>--</u>
16	<u>--</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>--</u>
18	<u>442</u>
19	<u>729</u>
20	<u>847</u>
21	<u>846</u>
22	<u>843</u>
23	<u>844</u>
24	<u>844</u>
25	<u>840</u>
26	<u>842</u>
27	<u>845</u>
28	<u>828</u>
29	<u>837</u>
30	<u>844</u>
31	<u>--</u>

## 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 Unit 3.
2. Scheduled next refueling shutdown: Unknown.
3. Scheduled restart following refueling: Unknown.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.  
If yes, what will these be?  
Technical Specification Revision
- If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? NA.  
If no, when is review scheduled? NA.
5. Scheduled date(s) for submitting proposed licensing action and supporting information: NA.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). None
7. Number of fuel assemblies (a) in the core: 177.  
(b) in the spent fuel pool: 545 (station total)
8. Present licensed fuel pool capacity: 474.  
Size of requested or planned increase: No planned increase.
9. Projected date of last refueling which can be accommodated by present licensed capacity: August 1980 assuming no transfer to McGuire.

DUKE POWER COMPANY

Date: December 14, 1979

Name of Contact: J. A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 12/14/79

### NARRATIVE SUMMARY

MONTH: November, 1979-

Oconee 3 began November in power escalation testing at 40% power. Tests were performed at the 75% and 90% power levels also, with some delays due to maintenance. Near rated power was reached on November 9.

A unit trip occurred on November 10 due to a false condenser level signal. The return to service was delayed until November 17 because of an ICS inverter problem which required modification. After a hold at 55% power for maintenance on the 3A HPI pump, near rated power was reached on November 19 and continued the remainder of the month.

OCONEE NUCLEAR STATION  
Operating Status Report

1. Personnel Exposure

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

2. Radioactive Waste Releases

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

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