

**OPERATING DATA REPORT**

DOCKET NO. 50-269  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: May, 1979
3. Licensed Thermal Power (MWt): 2,568
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	744.0	3,623.0	51,504.0
12. Number Of Hours Reactor Was Critical	744.0	3,622.3	37,850.0
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	732.4	3,607.5	35,332.2
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,859,440	9,119,591	83,088,754
17. Gross Electrical Energy Generated (MWH)	639,410	3,179,860	28,821,040
18. Net Electrical Energy Generated (MWH)	610,334	3,036,378	27,267,700
19. Unit Service Factor	98.4	99.6	68.6
20. Unit Availability Factor	98.4	99.6	68.7
21. Unit Capacity Factor (Using MDC Net)	95.4	97.5	61.3
22. Unit Capacity Factor (Using DER Net)	92.6	94.6	59.8
23. Unit Forced Outage Rate	1.6	0.4	16.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling - November, 1979 - 6 weeks

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**7906210153**

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH May, 1979

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit I  
 DATE 6-15-79  
 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
8	79-05-07	F	11.60	H	1		WE	XXXXXX	NRC order to test emergency feed-water system. Reactor remained at 15% power.
9	79-05-08	F	4	D	4		RC	FUELXX	Xenon hold at 90% power.

<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. 50-269  
 UNIT Oconee Unit 1  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

MONTH May, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	846
2	843
3	841
4	842
5	844
6	820
7	208
8	818
9	848
10	847
11	850
12	849
13	849
14	849
15	847
16	847

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	846
18	843
19	843
20	841
21	842
22	840
23	840
24	842
25	843
26	839
27	836
28	831
29	833
30	835
31	831

**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: November, 1979
3. Scheduled restart following refueling: December, 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? \_\_\_\_\_

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: August 10, 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). 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: 336  
Size of requested or planned increase: 414 (Requested February 2, 1979)

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

DUKE POWER COMPANY

Date: June 15, 1979

Name of Contact: Jerel A. Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 6-15-79

NARRATIVE SUMMARY

MONTH: May, 1979 -

Oconee 1 began the month at near rated power.

On May 7, the reactor was brought to 15% power and the unit removed from service to perform emergency feedwater pump tests required by the NRC. Tests were completed and the unit returned to service the same day.

After a xenon hold at 90% power, near rated power was reached on May 8 and continued at this level the remainder of the month.

**OPERATING DATA REPORT**

DOCKET NO. 50-270  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

**OPERATING STATUS**

1. Unit Name: Oconee Unit 2
2. Reporting Period: May, 1979
3. Licensed Thermal Power (MWt): 2,568
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	744.0	3,623.0	41,424.0
12. Number Of Hours Reactor Was Critical	264.2	3,130.3	29,128.8
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	252.6	3,110.9	28,352.1
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	579,092	7,579,005	67,071,390
17. Gross Electrical Energy Generated (MWH)	191,690	2,579,990	22,823,536
18. Net Electrical Energy Generated (MWH)	174,004	2,455,005	21,650,475
19. Unit Service Factor	34.0	85.9	68.4
20. Unit Availability Factor	34.0	85.9	68.4
21. Unit Capacity Factor (Using MDC Net)	27.2	78.8	60.4
22. Unit Capacity Factor (Using DER Net)	26.4	76.5	59.0
23. Unit Forced Outage Rate	66.1	13.7	21.7

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

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 1, 1979

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH May, 1979

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
9	79-05-01	F	--	A	--		HC	HTEXCH	Condenser tube leak.
10	79-05-07	F	11.15	H	1		WE	ZZZZZZ	NRC order to test emergency feed-water system. Reactor at 15% power.
11	79-06-08	F	--	D	--		RC	FUELXX	Xenon hold at 90% power.
12	79-05-11	F	139.27	A	1		HC	HTEXCH	Condenser tube leak.
13	79-05-12	F	--	H	--		WE	ZZZZZZ	NRC shutdown order in effect through 5/18/79 at 1230 hrs.
14	79-05-17	F	94.00	A	--		SA	PENETR	Emergency hatch leak rate test.
15	79-05-21	F	9.00	D	--		ZZ	ZZZZZZ	Hold in heatup due to chemistry problem.

<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

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH May, 1979

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
16	79-05-22	F	16.47	A	--		CH	PUMPXX	Emergency feedwater pump out of service.
17	79-05-22	F	45.03	D	--		SF	VALVEX	Replace non-qualified valve operator on valve (2HP-20).
18	79-05-24	F	56.50	A	--		CA	VALVEX	Cooldown to repair valve (2RC-68).
19	79-05-27	F	37.00	A	--		CH	VALVEX	Hold in heatup to replace gasket on valve (2 FDW-315).
20	79-05-28	F	44.67	A	--		HB	PIPEXX	Cooldown to repair weld leak between valve 2N-233 and main steam line "B".
21	79-05-30	F	38.33	D	--		ZZ	ZZZZZZ	At hot shutdown due to OTSG chemistry out of spec.

<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



**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-270  
 UNIT Oconee Unit 2  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

MONTH May, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>660</u>	17	<u>--</u>
2	<u>648</u>	18	<u>--</u>
3	<u>645</u>	19	<u>--</u>
4	<u>795</u>	20	<u>--</u>
5	<u>828</u>	21	<u>--</u>
6	<u>803</u>	22	<u>--</u>
7	<u>172</u>	23	<u>--</u>
8	<u>736</u>	24	<u>--</u>
9	<u>833</u>	25	<u>--</u>
10	<u>792</u>	26	<u>--</u>
11	<u>667</u>	27	<u>--</u>
12	<u>--</u>	28	<u>--</u>
13	<u>--</u>	29	<u>--</u>
14	<u>--</u>	30	<u>--</u>
15	<u>--</u>	31	<u>--</u>
16	<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 2
2. Scheduled next refueling shutdown: November, 1979
3. Scheduled restart following refueling: December, 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? \_\_\_\_\_

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: September 6, 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). None

7. Number of fuel assemblies (a) in the core: 177.  
(b) in the spent fuel pool: See Unit 1
8. Present licensed fuel pool capacity: See Oconee Unit 1.  
Size of requested or planned increase: See Oconee Unit 1
9. Projected date of last refueling which can be accommodated by present licensed capacity: 3/3/80 assuming no transfer to McGuire

DUKE POWER COMPANY

Date: June 15, 1979

Name of Contact: Jerel A. Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 6-15-79

### NARRATIVE SUMMARY

MONTH: May, 1979

Oconee 2 began the month at reduced power due to a condenser tube leak. After completion of repairs, the unit returned to near rated power on May 4.

On May 5, the unit was removed from service to perform emergency feedwater pump tests required by the NRC. It was returned to service the same day and reached near rated power on May 8.

A condenser tube leak in the 2C2 condenser water box which could not be isolated due to valve 2CCW-19 not seating necessitated the shutdown of the unit on May 11 because of high chemistry. An NRC shutdown order became effective on May 12 at 2400 hrs. and remained in effect until May 18 at 1230 hrs. At this time, the failure of the emergency hatch leak rate test prevented the startup of the unit.

After successfully completing the emergency hatch leak rate test, a unit startup was in progress on May 21. The startup was aborted several times due to leaking valves or chemistry problems. At the month's end, the unit was at hot shutdown holding due to water chemistry being out of spec.

**OPERATING DATA REPORT**

DOCKET NO. 50-287  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

**OPERATING STATUS**

1. Unit Name: Oconee Unit 3
2. Reporting Period: May, 1979
3. Licensed Thermal Power (MWt): 2,568
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

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

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>3,623.0</u>	<u>39,071.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>2,738.0</u>	<u>30,504.9</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>2,726.8</u>	<u>29,748.5</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>0.0</u>	<u>6,768,005</u>	<u>71,291,043</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>2,374,180</u>	<u>24,686,674</u>
18. Net Electrical Energy Generated (MWH)	<u>(2,293)</u>	<u>2,267,938</u>	<u>23,504,965</u>
19. Unit Service Factor	<u>0.0</u>	<u>75.3</u>	<u>76.1</u>
20. Unit Availability Factor	<u>0.0</u>	<u>75.3</u>	<u>76.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>72.8</u>	<u>69.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>70.7</u>	<u>67.9</u>
23. Unit Forced Outage Rate	<u>100.0</u>	<u>9.1</u>	<u>11.6</u>

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: June 23, 1979
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

**DOCKET NO.** 50-287  
**UNIT NAME** Oconee Unit 3  
**DATE** 6-15-79  
**COMPLETED BY** J. A. Reavis  
**TELEPHONE** (704) 373-8552

**REPORT MONTH** May, 1979

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
15	79-05-01	F	120.00	D	--		WE	ZZZZZZ	Investigation of possible safety problems and required modifications. (Refueling started early)
16	79-05-05	S	624.00	C	--		RC	FUELXX	Scheduled refueling. Shutdown for possible safety problems and modifications remained in effect until 5/18 at 1230 hrs.

<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

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-287  
 UNIT Oconee Unit 3  
 DATE 6-15-79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

MONTH May, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	---	17	---
2	---	18	---
3	---	19	---
4	---	20	---
5	---	21	---
6	---	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 Unit 3
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: June 23, 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? \_\_\_\_\_

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: March 30, 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). None

7. Number of fuel assemblies (a) in the core: 177.  
(b) in the spent fuel pool: See Unit 1
8. Present licensed fuel pool capacity: 474.  
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 transfer to McGuire

DUKE POWER COMPANY

Date: June 15, 1979

Name of Contact: Jerel A. Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 6-15-79

NARRATIVE SUMMARY

MONTH: May, 1979

Oconee 3 began the month at shutdown in compliance to an NRC order. An early refueling was in progress.

On May 5 at 2400, a scheduled refueling was in effect which changed the outage from forced to scheduled. The NRC order was lifted at 1230 hrs. on May 18.

The unit was still in a refueling outage at the month's end.



OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

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

2. Radioactive Waste Releases

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

The total station gaseous release for April has been compared with the derived Technical Specifications annual value of 51,000 curies; the total release for April was 10.4 percent of this limit.