

OPERATING DATA REPORT

DOCKET NO: 50-269  
 DATE 7/13/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: June, 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	<u>720.0</u>	<u>4,343.0</u>	<u>52,224.0</u>
12. Number Of Hours Reactor Was Critical	<u>564.2</u>	<u>4,186.5</u>	<u>38,414.2</u>
13. Reactor Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>548.9</u>	<u>4,156.4</u>	<u>35,881.1</u>
15. Unit Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,329,795</u>	<u>10,449,386</u>	<u>84,418,549</u>
17. Gross Electrical Energy Generated (MWH)	<u>450,490</u>	<u>3,630,350</u>	<u>29,271,530</u>
18. Net Electrical Energy Generated (MWH)	<u>426,385</u>	<u>3,462,763</u>	<u>27,694,085</u>
19. Unit Service Factor	<u>76.2</u>	<u>95.7</u>	<u>68.7</u>
20. Unit Availability Factor	<u>76.2</u>	<u>95.7</u>	<u>68.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>68.9</u>	<u>92.7</u>	<u>61.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>66.8</u>	<u>90.0</u>	<u>59.9</u>
23. Unit Forced Outage Rate	<u>12.0</u>	<u>2.1</u>	<u>16.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling October, 1979 - 7 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 17, 1979

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>_____</u>	<u>_____</u>
INITIAL ELECTRICITY	<u>_____</u>	<u>_____</u>
COMMERCIAL OPERATION	<u>_____</u>	<u>_____</u>

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**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-269

UNIT NAME Oconee Unit 1

DATE 7/13/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

REPORT MONTH June, 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
10	79-06-04	F	--	A	--		CH	HTEXCH	Power reduced to isolate feedwater heaters B-1 and B-2.
11	79-06-06	F	--	A	--		CH	INSTRU	Reduced power to repair feedwater heater A-1 level control.
12	79-06-11	F	12.18	A	3		HA	INSTRU	Closure of all intercept valves caused unit trip. EHC system computer card bad.
13	79-06-17	F	6.03	A	3		CB	RELAYX	Switch gear problem resulted in unit trip.
14	79-06-24	F	56.86	D	1		ZZ	ZZZZZZ	Unit was shutdown due to an NRC tech. spec. on number of emergency feed-water pumps available.

<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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 7/13/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH June, 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	79-06-26	S	96.02	D	I		ZZ	ZZZZZZ	NRC required modifications resulted in the unit being out the remainder of the month.

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

<sup>2</sup>  
 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)

<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. 50-269

UNIT Oconee Unit 1

DATE 7/13/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH June, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	830
2	834
3	828
4	799
5	751
6	789
7	743
8	826
9	831
10	829
11	224
12	785
13	827
14	814
15	792
16	794

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	333
18	777
19	792
20	794
21	793
22	794
23	790
24	447
25	--
26	--
27	--
28	--
29	--
30	--
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 1
2. Scheduled next refueling shutdown: October, 1979
3. Scheduled restart following refueling: November, 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 (approved 6/19/79)
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: July 13, 1979

Name of Contact: Jerel Reavis

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 7/13/79

NARRATIVE SUMMARY

MONTH: June, 1979 -

The unit began the month at near rated power. Power reductions were made on June 4 and June 6 for feedwater heater isolation.

A fault in a computer card for the EHC system resulted in a unit trip on June 11. Return to service was the same day.

On June 17 a unit trip occurred due to a switchgear problem. Return to service was the same day.

The unit was removed from service on June 24 due to an NRC tech. spec. for emergency feedwater pump availability. Modifications required by the NRC continued the remainder of the month.

OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 7/13/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: June, 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:

Notes

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

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	<u>720.0</u>	<u>4,343.0</u>	<u>42,144.0</u>
12. Number Of Hours Reactor Was Critical	<u>628.6</u>	<u>3,758.9</u>	<u>29,757.4</u>
13. Reactor Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
14. Hours Generator On-Line	<u>612.7</u>	<u>3,723.6</u>	<u>28,964.8</u>
15. Unit Reserve Shutdown Hours	<u>--</u>	<u>--</u>	<u>--</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,474,709</u>	<u>9,053,714</u>	<u>68,546,099</u>
17. Gross Electrical Energy Generated (MWH)	<u>484,740</u>	<u>3,064,730</u>	<u>23,308,276</u>
18. Net Electrical Energy Generated (MWH)	<u>458,757</u>	<u>2,913,762</u>	<u>22,109,232</u>
19. Unit Service Factor	<u>85.1</u>	<u>85.7</u>	<u>68.7</u>
20. Unit Availability Factor	<u>85.1</u>	<u>85.7</u>	<u>68.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>74.1</u>	<u>78.0</u>	<u>60.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>71.9</u>	<u>75.7</u>	<u>59.2</u>
23. Unit Forced Outage Rate	<u>14.9</u>	<u>13.9</u>	<u>21.6</u>

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

Tie-in emergency feedwater line to Hotwell - August 19, 1979 - 1 week  
Refueling - November 1979 - 7 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	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

**DOCKET NO.** 50-270  
**UNIT NAME** Oconee Unit 2  
**DATE** 7/13/79  
**COMPLETED BY** J. A. Reavis  
**TELEPHONE** (704) 373-8552

**REPORT MONTH** June, 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
20	79-06-01	F	67.77	D	--		ZZ	ZZZZZZ	OTSG chemistry out of spec.
21	79-06-03	F	9.12	A	3		CH	INSTRU	Oscillations in feedwater control resulted in reactor high pressure trip. A control rod drive problem delayed the return to service.
22	79-06-06	F	--	D	--		RC	FUELXX	Xenon hold at 90% power.
23	79-06-07	F	--	D	--		ZZ	ZZZZZZ	Power reduced due to water chemistry limits.
24	79-06-16	F	30.38	A	1		CA	VALVEX	Valve 2RC-2 (pressurizer spray valve bypass) packing leak.
25	79-06-30	F	--	A	--		HC	HTEXCH	Power reduced to check for condenser tube leak.

<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 7/13/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH June, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	--
2	--
3	--
4	100
5	566
6	720
7	749
8	777
9	774
10	777
11	783
12	803
13	809
14	819
15	813
16	34

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	259
18	759
19	770
20	798
21	820
22	821
23	821
24	820
25	815
26	819
27	819
28	816
29	814
30	727
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: November, 1979
3. Scheduled restart following refueling: January, 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

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: 545 (station total)
8. Present licensed fuel pool capacity: 336.  
Size of requested or planned increase: 414 (approved 6/19/79)
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: July 13, 1979

Name of Contact: Jerel Reavis

DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 7/13/79

NARRATIVE SUMMARY

MONTH: June, 1979 -

Oconee 2 began June at hot shutdown due to chemistry problems. Return to service was June 3.

Oscillations in the feedwater system caused a reactor high pressure trip on June 3. A CRD problem delayed return of the unit until June 4. After power increase and hold for xenon, the unit reached near rated power on June 6.

A power reduction was made on June 7 because of feedwater chemistry. Returned to near rated power on June 8.

On June 16 the unit was shutdown due to high RCS leakage. Valve 2RC-2 (pressurizer spray valve bypass) was backseated to stop leakage. The unit returned to service on June 17, and reached near rated power on June 18.

Power was reduced to 90% on June 30 to check for possible condenser tube leak.

**OPERATING DATA REPORT**

DOCKET NO. 50-287  
 DATE 7/13/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

**OPERATING STATUS**

1. Unit Name: Oconee Unit 3
2. Reporting Period: June, 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:

**Notes**

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

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	<u>720.0</u>	<u>4,343.0</u>	<u>39,791.0</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</u>	<u>6,768,005</u>	<u>71,291,043</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>2,374,180</u>	<u>24,686,674</u>
18. Net Electrical Energy Generated (MWH)	<u>(3,316)</u>	<u>2,264,622</u>	<u>23,501,649</u>
19. Unit Service Factor	<u>0.0</u>	<u>62.8</u>	<u>74.8</u>
20. Unit Availability Factor	<u>0.0</u>	<u>62.8</u>	<u>74.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>60.6</u>	<u>68.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>58.9</u>	<u>66.7</u>
23. Unit Forced Outage Rate	<u>0.0</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: August 13, 1979

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>_____</u>	<u>_____</u>
INITIAL ELECTRICITY	<u>_____</u>	<u>_____</u>
COMMERCIAL OPERATION	<u>_____</u>	<u>_____</u>

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-287  
 UNIT NAME Oconee Unit 3  
 DATE 7/13/79  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

REPORT MONTH June, 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	79-06-01	S	720.00	C	--		RC	FUELXX	Scheduled refueling. IE Bulletin 79-02 inspection in progress.

<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 7/13/79

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH June, 1979

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

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	---
18	---
19	---
20	---
21	---
22	---
23	---
24	---
25	---
26	---
27	---
28	---
29	---
30	---
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 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: 336.  
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: July 13, 1979

Name of Contact: Jerel Reavis

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 7/13/79

NARRATIVE SUMMARY

MONTH: June, 1979

Refueling continued during the month of June. IE Bulletin 79-02 inspection is in progress.



OCONEE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of May, 9 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.64 rem, which represents approximately 13.7% of that person's 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 Specifications annual value of 51,000 curies; the total release for May was 11.9 percent of this limit.