

# OPERATING DATA REPORT

DOCKET NO. 50-269  
 DATE 9-15-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: August, 1981
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	744.0	5,831.0	71,256.0
12. Number Of Hours Reactor Was Critical	0.0	3,689.2	50,975.2
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	0.0	3,658.7	48,242.8
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	0	8,990,912	113,445,299
17. Gross Electrical Energy Generated (MWH)	0	3,174,500	39,476,330
18. Net Electrical Energy Generated (MWH)	- 2,338	3,017,356	37,365,365
19. Unit Service Factor	0.0	62.8	67.7
20. Unit Availability Factor	0.0	62.8	67.8
21. Unit Capacity Factor (Using MDC Net)	0.0	60.2	60.8
22. Unit Capacity Factor (Using DER Net)	0.0	58.4	59.2
23. Unit Forced Outage Rate	0.0	13.8	6.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Currently Refueling</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 6, 1981

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

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

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1981

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 9-15-81  
 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
5	81-08-01	<b>S</b> <b>F</b>	744.00	C	--		RC	FUELXX	Scheduled refueling and inspection (10 year) continues.  NRC required modifications 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<sup>5</sup> Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

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

(7/11)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269  
 UNIT Oconee Unit 1  
 DATE 9-15-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704)373-8552

MONTH August, 1981

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. Round to the nearest whole megawatt.

DOCKET NO: 50-269  
UNIT: Oconee Unit 1  
DATE: 9-15-81

NARRATIVE SUMMARY

MONTH: August, 1981

NRC modifications/refueling maintenance/ten year inspection/continue.  
Reactor core support assembly repair is in progress.

## MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: June, 1981
3. Scheduled restart following refueling: December, 1981
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: April, 1981
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: 0.  
(b) in the spent fuel pool: 542\*
8. Present licensed fuel pool capacity: 1312\*  
Size of requested or planned increase: None
9. Projected date of last refueling which can be accommodated by present licensed capacity:

DUKE POWER COMPANY

Date: September 15, 1981

Name of Contact: J. A. Reavis

\*Represents total for the combined Unit 1 and 2 Spent Fuel Pool

# OPERATING DATA REPORT

DOCKET NO. 50-270  
 DATE 9-15-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: August, 1981
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	744.0	5,831.0	61,176.0
12. Number Of Hours Reactor Was Critical	744.0	5,529.7	44,634.6
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	744.0	5,491.5	43,667.2
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,897,218	13,310,490	103,406,605
17. Gross Electrical Energy Generated (MWH)	648,100	4,588,420	35,200,656
18. Net Electrical Energy Generated (MWH)	619,432	4,386,646	33,429,212
19. Unit Service Factor	100.0	94.2	71.4
20. Unit Availability Factor	100.0	94.2	71.4
21. Unit Capacity Factor (Using MDC Net)	96.8	87.5	63.3
22. Unit Capacity Factor (Using DER Net)	94.0	84.9	61.7
23. Unit Forced Outage Rate	0.0	0.7	16.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - September 27 - 12 Weeks</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 August, 1981

DOCKET NO. 50-270  
 UNIT NAME Oconee Unit 2  
 DATE 9-15-81  
 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
9-p	81-08-21	F	--	A	--		SC	PENETR	2A1 reactor coolant pump (RCP) was removed from service to check containment electrical penetration EMV-2 for leakage.

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-3 Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (FER) File (NUREG-  
 0161)

5  
 Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270  
UNIT Oconee Unit 2  
DATE 9-15-81  
COMPLETED BY J. A. Reavis  
TELEPHONE (704)373-8552

MONTH August, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>840</u>	17	<u>837</u>
2	<u>840</u>	18	<u>838</u>
3	<u>837</u>	19	<u>838</u>
4	<u>837</u>	20	<u>836</u>
5	<u>836</u>	21	<u>700</u>
6	<u>837</u>	22	<u>832</u>
7	<u>836</u>	23	<u>838</u>
8	<u>831</u>	24	<u>837</u>
9	<u>837</u>	25	<u>837</u>
10	<u>838</u>	26	<u>832</u>
11	<u>838</u>	27	<u>837</u>
12	<u>838</u>	28	<u>837</u>
13	<u>838</u>	29	<u>838</u>
14	<u>838</u>	30	<u>837</u>
15	<u>838</u>	31	<u>835</u>
16	<u>839</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.



DOCKET NO: 50-270  
UNIT: Oconee Unit 2  
DATE: 9-15-81

NARRATIVE SUMMARY

MONTH: August, 1981

Oconee 2 had no outage during August.

A power reduction was necessary on August 21 to investigate gas leakage on EMV-2 (reactor containment electrical penetration for 2A1 reactor coolant pump). The pump was off during the investigation.

## MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2.
2. Scheduled next refueling shutdown: September, 1981.
3. Scheduled restart following refueling: December, 1981.
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: May, 1981.
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: 542\*.
8. Present licensed fuel pool capacity: 1312  
Size of requested or planned increase: None
9. Projected date of last refueling which can be accommodated by present licensed capacity:

DUKE POWER COMPANY

Date: September 15, 1981

Name of Contact: J. A. Reavis

\*Represents total for the combined Unit 1 & 2 Spent Fuel Pool.

# OPERATING DATA REPORT

DOCKET NO. 50-287  
 DATE 9-15-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-8552

## OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: August, 1981
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	744.0	5,831.0	58,823.0
12. Number Of Hours Reactor Was Critical	741.2	4,009.4	42,413.4
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	734.0	3,944.3	41,423.3
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,849,096	9,869,797	100,174,138
17. Gross Electrical Energy Generated (MWH)	628,880	3,397,830	34,629,044
18. Net Electrical Energy Generated (MWH)	599,893	3,231,767	32,946,162
19. Unit Service Factor	98.7	67.6	70.4
20. Unit Availability Factor	98.7	67.6	70.4
21. Unit Capacity Factor (Using MDC Net)	93.8	64.5	64.9
22. Unit Capacity Factor (Using DER Net)	91.0	62.6	63.2
23. Unit Forced Outage Rate	1.3	3.4	15.8
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 August, 1981DOCKET NO. 50-287UNIT NAME Oconee Unit 3DATE 9-15-81COMPLETED BY J. A. ReavisTELEPHONE 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
10-p	81-08-01	F	--	B	--		AA	TURBIN	Completion of turbine valve movement test.
11-p	81-08-08	F	--	B	--		HH	PUMPXX	3D2 HDP (heater drain pump) repair.
12-p	81-08-14	F	--	A	--		HH	PUMPXX	3D2 HDP tripped.
6	81-08-15	F	9.98	A	3		HA	TURBIN	Turbin/reactor trip due to oil leak on turbine control system (EHC).
13-p	81-08-16	F		A	--		CH	VALVEX	3 FDW-62 valve repair (3B feedwater pump suction relief valve).

1 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 (IFR) File (NUREG  
0161)

5 Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287  
 UNIT Oconee Unit 3  
 DATE 9-15-81  
 COMPLETED BY J. A. Reavis  
 TELEPHONE (704) 373-8552

MONTH August, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	834
2	836
3	834
4	834
5	834
6	834
7	835
8	812
9	787
10	833
11	834
12	835
13	834
14	826
15	584
16	389

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	808
18	834
19	836
20	836
21	836
22	832
23	827
24	810
25	793
26	833
27	835
28	835
29	837
30	836
31	835

## 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.

DOCKET NO: 50-287  
UNIT: Oconee Unit 3  
DATE: 9-15-81

#### NARRATIVE SUMMARY

MONTH: August, 1981

Oconee 3 began August completing a turbine valve movement test and returning to full power.

Power was reduced to 90% on August 8 for 3-D2 HDP (heater drain pump) maintenance. It returned to service on August 9. On August 14 3-D2 HDP tripped and was returned to service in a couple hours.

On August 15 at 1708 an oil line fitting leak on the turbine control oil system (EHC) resulted in a generator/reactor trip. Repairs were completed and the unit was on-line at 0307 on August 16. The 3 B FWP (feedwater pump) suction relief valve lifted and would not re-seat causing a delay in getting the second FWP in service. Full power was reached on August 17 at 0600.

## MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: June, 1982
3. Scheduled restart following refueling: August, 1982
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: June, 1982
7. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
8. Number of fuel assemblies (a) in the core: 177.  
(b) in the spent fuel pool: 463
9. Present licensed fuel pool capacity: 474.  
Size of requested or planned increase: None
10. Projected date of last refueling which can be accommodated by present licensed capacity:

DUKE POWER COMPANY

Date: September 15, 1981

Name of Contact: J. A. Reavis

## OCONEE NUCLEAR STATION

### Operating Status Report

#### 1. Personnel Exposure

For the month of July, 4 individual(s) exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.940 rem, which represents approximately 16.2% of that person's allowable annual limit.

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

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



# DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

September 17, 1981

TELEPHONE AREA 704  
373-4083

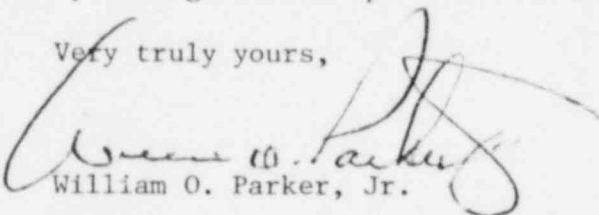
Director  
Office of Management Information  
and Program Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Re: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287

Dear Sir:

Please find attached a corrected copy of the Unit Shutdowns and Power Reductions sheet for Unit 1 of the Oconee Nuclear Station Monthly Operating Status Report for the month of August, 1981.

Very truly yours,



William O. Parker, Jr.

JAR:scs  
Attachment

cc: Mr. T. Cintula  
12015 MNBB  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. Bill Lavallee  
Nuclear Safety Analysis Center  
P. O. Box 10412  
Palo Alto, California 94303

Director  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1981

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 9-17-81  
 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
5	81-08-01	S	744.00	C	--		RC	FUELXX	Scheduled refueling and inspection (10 year) continues.  NRC required modifications 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