

OPERATING DATA REPORT

DOCKET NO. 50-269
DATE 4/13/79
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: March, 1979
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	744.0	2,160.0	50,041.0
12. Number Of Hours Reactor Was Critical	743.3	2,159.3	36,387.0
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	740.1	2,156.1	33,880.8
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,875,762	5,417,214	79,386,377
17. Gross Electrical Energy Generated (MWH)	653,290	1,902,320	27,543,500
18. Net Electrical Energy Generated (MWH)	623,569	1,816,244	26,047,566
19. Unit Service Factor	99.5	99.8	67.7
20. Unit Availability Factor	99.5	99.8	67.8
21. Unit Capacity Factor (Using MDC Net)	97.5	97.8	60.2
22. Unit Capacity Factor (Using DER Net)	94.6	94.9	58.8
23. Unit Forced Outage Rate	0.5	0.2	17.1
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

7904180248

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1979

DOCKET NO. 50-269
UNIT NAME Oconee Unit 1
DATE 4/13/79
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
6	79-03-23	F	3.87	A	3		CH	INSTRU	Instrumentation in loop "B" feed-water flow failed causing a high RCS pressure trip. "B" loop feed-water flow totalizer was replaced.
7	79-03-23	F	-	D	--		RC	FUELXX	Xenon hold at 89% 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 4/13/79
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

MONTH March, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>855</u>
2	<u>848</u>
3	<u>851</u>
4	<u>848</u>
5	<u>850</u>
6	<u>854</u>
7	<u>855</u>
8	<u>855</u>
9	<u>853</u>
10	<u>854</u>
11	<u>853</u>
12	<u>850</u>
13	<u>848</u>
14	<u>850</u>
15	<u>854</u>
16	<u>855</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>857</u>
18	<u>857</u>
19	<u>783</u>
20	<u>814</u>
21	<u>847</u>
22	<u>852</u>
23	<u>530</u>
24	<u>837</u>
25	<u>850</u>
26	<u>854</u>
27	<u>850</u>
28	<u>855</u>
29	<u>855</u>
30	<u>854</u>
31	<u>853</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: 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
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 10, 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: 336.
Size of requested or planned increase: 414 (requested February 2, 1979).
10. 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: April 13, 1979

Name of Contact: J. A. Reavis - Phone 704-373-8552

DOCKET NO: 50-269
UNIT: Oconee Unit 1
DATE: 4/13/79

NARRATIVE SUMMARY

MONTH: March, 1979

Oconee 1 began the month of March at near rated power and continued until March 19 when the RPS Channel E flow transmitter failed, causing an ICS runback in power. The ICS RC flow input was changed to Channel A and power was increased to normal.

Power was decreased on March 20 to isolate B-1 high pressure feedwater heater due to tube leaks. During this time, the RPS Channel E, which had failed earlier, was valved into service.

A fault in the feedwater flow totalizer on loop B resulted in a reactor trip on March 23. After replacing the flow totalizer, the unit was returned to service the same day. After a normal xenon hold, the unit returned to near rated power and continued the remainder of the month.

OPERATING DATA REPORT

DOCKET NO. 50-270
DATE 4/13/79
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: March, 1979
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	744.0	2,160.0	39,961.0
12. Number Of Hours Reactor Was Critical	744.0	2,147.1	28,145.7
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	741.0	2,139.3	27,380.5
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,852,627	5,297,340	64,789,725
17. Gross Electrical Energy Generated (MWH)	636,280	1,804,710	22,048,256
18. Net Electrical Energy Generated (MWH)	608,035	1,724,195	20,919,665
19. Unit Service Factor	99.6	99.0	68.5
20. Unit Availability Factor	99.6	99.0	68.5
21. Unit Capacity Factor (Using MDC Net)	95.0	92.8	60.5
22. Unit Capacity Factor (Using DER Net)	92.2	90.1	59.1
23. Unit Forced Outage Rate	0.4	0.1	21.2
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

DOCKET NO. 50-270
 UNIT NAME Oconee Unit 2
 DATE 4/13/79
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

REPORT MONTH March, 1979

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
4	79-03-09	F	--	A	--		HA	TURBIN	Turbine control valve #1 failed closed.
5	79-03-11	F	3.03	A	1		HA	TURBIN	Unit off line to repair problem on turbine control valve. Reactor remained critical.

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. 50-270
 UNIT Oconee Unit 2
 DATE 4/13/79
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

MONTH March, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	847
2	848
3	850
4	801
5	741
6	844
7	839
8	836
9	777
10	736
11	431
12	743
13	847
14	830
15	846
16	847

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	848
18	848
19	848
20	847
21	845
22	846
23	845
24	845
25	844
26	845
27	846
28	846
29	844
30	834
31	840

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: April 13, 1979

Name of Contact: J. A. Reavis - Phone 704-373-8552

DOCKET NO: 50-270

UNIT: Oconee Unit 2

DATE: 4/13/79

NARRATIVE SUMMARY

MONTH: March, 1979

Foregoing weekend reserve reductions due to low system load demand, Oconee 2 operated at near rated power until March 9 when the reactor power was reduced to 90% after the turbine #1 control valve closed and failed to reopen. This power level was continued until the unit was removed from service on March 11.

The reactor remained critical during the short unit outage to replace the servo valve in the turbine #1 control valve. At 1520 on March 11, the unit was on line and increasing power. After reaching near rated power, the unit continued to operate at this level until the month's end except for needed reserve reductions.

OPERATING DATA REPORT

DOCKET NO. 50-287
DATE 4/13/79
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: March, 1979
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	744.0	2,160.0	37,608.0
12. Number Of Hours Reactor Was Critical	651.0	2,066.1	29,832.9
13. Reactor Reserve Shutdown Hours	--	--	--
14. Hours Generator On-Line	642.8	2,056.4	29,078.1
15. Unit Reserve Shutdown Hours	--	--	--
16. Gross Thermal Energy Generated (MWH)	1,558,720	5,074,275	69,597,313
17. Gross Electrical Energy Generated (MWH)	553,440	1,779,990	24,092,484
18. Net Electrical Energy Generated (MWH)	527,673	1,701,606	22,938,633
19. Unit Service Factor	86.4	95.2	77.3
20. Unit Availability Factor	86.4	95.2	77.3
21. Unit Capacity Factor (Using MDC Net)	82.5	91.6	70.5
22. Unit Capacity Factor (Using DER Net)	80.1	88.9	68.8
23. Unit Forced Outage Rate	13.6	4.8	11.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - May, 1979 - 6 weeks</u>			

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 March, 1979

DOCKET NO. 50-287
 UNIT NAME Oconee Unit 3
 DATE 4/13/79
 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
11	79-03-06	F	101.17.	A	1		CB	VALVEX	Flow transmitter isolation valve (#3FT-15H) on RCS "B" hotleg leaking.
12	79-03-11	F	--	D	--		RC	FUELXX	Xenon hold at 89% power.
13	79-03-24	S	--	B	--		RC	FUELXX	Performed PT/O/A/600/17 Withdrawal of Group 7 control rods due to being close to the end of fuel cycle.

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287

UNIT Oconee Unit 3

DATE 4/13/79

COMPLETED BY J.A. Reavis

TELEPHONE (704) 373-8552

MONTH March, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	858
2	860
3	860
4	849
5	843
6	658
7	--
8	--
9	--
10	--
11	518
12	790
13	854
14	855
15	861
16	861

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	862
18	861
19	859
20	859
21	862
22	867
23	867
24	664
25	554
26	840
27	858
28	863
29	864
30	854
31	859

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.

6

- ## Technical Specification Revision

If no, when is review scheduled? NA

Date: April 13, 1979

Name of Contact: J. A. Reavis - Phone 704-373-8552

DOCKET NO: 50-287

UNIT: Oconee Unit 3

DATE: 4/13/79

NARRATIVE SUMMARY

MONTH: March, 1979

Oconee 3 began the month of March at near rated power. On March 6, the reactor was shutdown due to a flow transmitter isolation valve (#3FT-15H) leak on the B hotleg of the reactor coolant system. The unit returned to service on March 11 and after xenon hold, returned to near rated power on March 12.

Power was reduced to 50% on March 24 to perform PT/O/A/600/17. This is the withdrawal of Group 7 control rods due to nearing the end of the fuel cycle. The unit was returned to near rated power on March 26 and continued the remainder of the month.

Some small reserve reductions were noted during the month due to low system load demand.

OCONEE NUCLEAR STATION
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

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

2. Radioactive Waste Releases

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

The total station gaseous release for February has been compared with the derived Technical Specifications annual value of 51,000 curies; the total release for February was 10.63 percent of this limit.