

OPERATING DATA REPORT

DOCKET NO. 50-269
 DATE 12/15/78
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: November, 1978
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	<u>720.0</u>	<u>8,016.0</u>	<u>47,137.0</u>
12. Number Of Hours Reactor Was Critical	<u>710.3</u>	<u>5,749.6</u>	<u>33,488.7</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>703.4</u>	<u>5,585.3</u>	<u>31,007.0</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,674,374</u>	<u>13,607,514</u>	<u>72,230,369</u>
17. Gross Electrical Energy Generated (MWH)	<u>583,000</u>	<u>4,732,770</u>	<u>25,042,410</u>
18. Net Electrical Energy Generated (MWH)	<u>553,952</u>	<u>4,485,866</u>	<u>23,662,793</u>
19. Unit Service Factor	<u>97.7</u>	<u>69.7</u>	<u>65.3</u>
20. Unit Availability Factor	<u>97.7</u>	<u>69.7</u>	<u>65.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>89.5</u>	<u>65.1</u>	<u>58.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>86.7</u>	<u>63.1</u>	<u>56.6</u>
23. Unit Forced Outage Rate	<u>2.3</u>	<u>16.6</u>	<u>18.3</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: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269

UNIT NAME Oconee Unit 1

DATE J. A. Reavis

COMPLETED BY (704) 373-8552

TELEPHONE

REPORT MONTH November, 1978

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
28	78-11-01	S	-	B	--		ZZ	ZZZZZZ	Power escalation testing at 40% power.
29	78-11-02	S	-	B	--		ZZ	ZZZZZZ	Power escalation testing at 73% power.
30	78-11-04	F	-	D	--		RC	FUELXX	Xenon hold at 89% power.
31	78-11-18	F	16.57	A	3		IB	INSTRU	Reactor Tripped due to a power transcedent (flux/flow imbalance)
32	78-11-19	F	-	D	--		RC	FUELXX	Xenon hold at 88% power.
33	78-11-21	F	-	H	--		ZZ	ZZZZZZ	Low condenser vacuum prevented 100% power operation.

1
F: Forced
S: Scheduled

2
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)

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 12/15/78
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

MONTH November 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>318</u>	17	<u>855</u>
2	<u>567</u>	18	<u>69</u>
3	<u>637</u>	19	<u>525</u>
4	<u>734</u>	20	<u>824</u>
5	<u>853</u>	21	<u>844</u>
6	<u>854</u>	22	<u>836</u>
7	<u>850</u>	23	<u>832</u>
8	<u>843</u>	24	<u>825</u>
9	<u>847</u>	25	<u>828</u>
10	<u>853</u>	26	<u>828</u>
11	<u>847</u>	27	<u>831</u>
12	<u>848</u>	28	<u>849</u>
13	<u>848</u>	29	<u>847</u>
14	<u>848</u>	30	<u>844</u>
15	<u>849</u>	31	<u></u>
16	<u>847</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: 50-269
UNIT: Oconee Unit 1
DATE: 12/15/78

NARRATIVE SUMMARY

MONTH: November, 1978

November began with Unit 1 holding at 40% power for power escalation testing following a refueling outage. Testing was completed and after xenon hold, the unit reached near rated power on November 4 at 2200 hours.

On November 18 at 0135 hours, the unit tripped due to a power transcedent (flux/flow imbalance). The unit returned to service the same day and after normal xenon hold, was increased to approximately 97% power on November 19. A low condenser vacuum problem necessitated operating at this level until November 27 when conditions allowed the increase to near rated power which continued the remainder of the month.

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

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: July 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: 152.
8. Present licensed fuel pool capacity: 306 in Oconee 1 and 2 pool.
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 transfers to McGuire.

DUKE POWER COMPANY

Date: December 15, 1978.

Name of Contact: J. A. Reavis.

OPERATING DATA REPORT

DOCKET NO. 50-270
DATE 12/15/78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: November, 1978
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	720.0	8,016.0	37,057.0
12. Number Of Hours Reactor Was Critical	78.7	6,191.4	25,378.9
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	71.1	6,112.5	25,195.5
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	100,811	14,788,210	59,487,085
17. Gross Electrical Energy Generated (MWH)	33,400	5,028,530	20,231,256
18. Net Electrical Energy Generated (MWH)	28,212	4,784,372	19,193,555
19. Unit Service Factor	9.9	76.3	68.0
20. Unit Availability Factor	9.9	76.3	68.0
21. Unit Capacity Factor (Using MDC Net)	4.6	69.4	59.8
22. Unit Capacity Factor (Using DER Net)	4.4	67.3	58.4
23. Unit Forced Outage Rate	0.0	17.0	22.2

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

Refueling

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 19, 1978

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270UNIT NAME Oconee Unit 2DATE 12/15/78COMPLETED BY J. A. ReavisTELEPHONE (704) 373-8552REPORT MONTH November, 1978

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
44	78-11-01	F	-	A	--		RC	FUELXX	55% power because of an inoperable CRD (Rod 7, Group 6)
45	78-11-03	S	648.92	C	1		RC	FUELXX	Refueling

1
F: Forced
S: Scheduled

2
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)

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 12/15/78
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-8552

MONTH November, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>437</u>
2	<u>438</u>
3	<u>411</u>
4	<u>-</u>
5	<u>-</u>
6	<u>-</u>
7	<u>-</u>
8	<u>-</u>
9	<u>-</u>
10	<u>-</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>-</u>
19	<u>-</u>
20	<u>-</u>
21	<u>-</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.

DOCKET NO: 50-270

UNIT: Oconee Unit 2

DATE: 12/15/78

NARRATIVE SUMMARY

MONTH: November, 1978

Unit 2 began the month of November operating at 55% power because of a bad stator on control rod 7, group 6. This level of operation continued until November 3 when the unit was shutdown for refueling. Refueling was still in progress at the months end.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2.
2. Scheduled next refueling shutdown: Currently refueling.
3. Scheduled restart following refueling: December 19, 1978.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
If yes, what will these be?

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: Submitted September 18, 1978.
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: December 15, 1978

Name of Contact: J. A. Reavis

OPERATING DATA REPORT

DOCKET NO. 50-287
DATE 12/15/78
COMPLETED BY J. A. Reavis
TELEPHONE (704) 373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: November, 1978
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	720.0	8,016.0	34,704.0
12. Number Of Hours Reactor Was Critical	709.4	7,006.6	27,171.1
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	695.2	6,877.4	26,451.1
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	1,721,579	16,928,062	63,161,382
17. Gross Electrical Energy Generated (MWH)	594,600	5,891,180	21,843,024
18. Net Electrical Energy Generated (MWH)	566,708	5,618,967	20,791,574
19. Unit Service Factor	96.6	85.8	76.2
20. Unit Availability Factor	96.6	85.8	76.2
21. Unit Capacity Factor (Using MDC Net)	91.5	81.5	69.2
22. Unit Capacity Factor (Using DER Net)	88.7	79.0	67.5
23. Unit Forced Outage Rate	3.5	2.7	11.6
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):

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE 12/15/78

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

REPORT MONTH November, 1978

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
33	78-11-03	F	9.92	A	1		HA	TURBIN	Replaced bad solenoid on #4 MSSV on turbine.
34	78-11-04	F	-	A	--		CH	VALVEX	Holding at 50% power to repair leak on 3 FDW-251 ("B" feedwater line) high point vent block valve.)
35	78-11-04	F	-	D	--		RC	FUELXX	Xenon hold at 90% power.
36	78-11-05	F	-	H	--		ZZ	ZZZZZZ	Power decrease to 82% due to FDW/RX limits mismatch.
37	78-11-05	F	-	D	--		RC	FUELXX	Xenon hold at 90% power.
38	78-11-07	F	14.93	A	3		CH	INSTRU	Swing in feedwater system caused unit/reactor trip.
39	78-11-08	F	-	D	--		RC	FUELXX	Xenon hold at 90% 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. 50-287

UNIT Oconee Unit 3

DATE 12/15/78

COMPLETED BY J. A. Reavis

TELEPHONE (704) 373-8552

MONTH November, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>848</u>
2	<u>846</u>
3	<u>623</u>
4	<u>378</u>
5	<u>763</u>
6	<u>849</u>
7	<u>182</u>
8	<u>677</u>
9	<u>814</u>
10	<u>800</u>
11	<u>839</u>
12	<u>839</u>
13	<u>846</u>
14	<u>850</u>
15	<u>850</u>
16	<u>844</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>848</u>
18	<u>837</u>
19	<u>845</u>
20	<u>848</u>
21	<u>845</u>
22	<u>840</u>
23	<u>839</u>
24	<u>838</u>
25	<u>836</u>
26	<u>840</u>
27	<u>838</u>
28	<u>840</u>
29	<u>836</u>
30	<u>836</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.

DOCKET NO: 50-287

UNIT: Oconee Unit 3

DATE: 12/15/78

NARRATIVE SUMMARY

MONTH: November, 1978

Oconee 3 began November at near rated power and continued until November 3 when the unit was removed from service to replace a solenoid switch on the turbine MSSV #4. The unit returned to service on November 4 and power was increased to 90% and began a xenon hold.

On November 15 while still holding at 90%, the power level was reduced to 82% due to a mismatch of the FDW/reactor limits. The power level was returned to 90% and after completing xenon hold, was increased to near rated power by 2300 hrs. on November 5. A swing in feedwater caused a unit trip on November 7. The unit was returned to service the same day and after normal xenon hold, returned to near rated power on November 9 and continued for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
 2. Scheduled next refueling shutdown: July, 1979
 3. Scheduled restart following refueling: September, 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: June 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: 337.
8. Present licensed fuel pool capacity: 465.
Size of requested or planned increase: No planned increase.
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: December 15, 1978

Name of Contact: J. A. Reavis

OCONEE NUCLEAR STATION
MONTHLY OPERATING REPORT
October, 1978

1. Personnel Exposure

For the month of October, 27 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 2.400 Rem, which represents approximately 20.0% of that person's allowable annual 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.