

OPERATING DATA REPORT

DOCKET NO. 50-269
 DATE 08-15-81
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 1
2. Reporting Period: July, 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 | <u>744.0</u> | <u>5,087.0</u> | <u>70,512.0</u> |
| 12. Number Of Hours Reactor Was Critical | <u>0.0</u> | <u>3,689.2</u> | <u>50,975.2</u> |
| 13. Reactor Reserve Shutdown Hours | <u>--</u> | <u>--</u> | <u>--</u> |
| 14. Hours Generator On-Line | <u>0.0</u> | <u>3,658.7</u> | <u>48,242.8</u> |
| 15. Unit Reserve Shutdown Hours | <u>--</u> | <u>--</u> | <u>--</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>0</u> | <u>8,990,912</u> | <u>113,445,299</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>0</u> | <u>3,174,500</u> | <u>39,476,330</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>-3,419</u> | <u>3,019,694</u> | <u>37,367,703</u> |
| 19. Unit Service Factor | <u>0.0</u> | <u>71.9</u> | <u>68.4</u> |
| 20. Unit Availability Factor | <u>0.0</u> | <u>71.9</u> | <u>68.5</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>0.0</u> | <u>69.0</u> | <u>61.4</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>0.0</u> | <u>67.0</u> | <u>59.8</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>13.8</u> | <u>16.8</u> |

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

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 | <u> </u> | <u> </u> |
| INITIAL ELECTRICITY | <u> </u> | <u> </u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1981

DOCKET NO. 50-269
 UNIT NAME Oconee Unit 1
 DATE 08-15-81
 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 |
|-----|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 5 | 81-07-01 | S | 744.00 | C | -- | | RC | FUELXX | Scheduled refueling and inspection (10 year) in progress. NRC required modifications and other planned maintenance 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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269
UNIT Oconee Unit 1
DATE 08-15-81
COMPLETED BY J. A. Reavis
TELEPHONE (704)373-8552

MONTH July, 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. Compute to the nearest whole megawatt.

Docket No: 50-269
Unit: Oconee Unit 1
Date: 08-15-81

NARRATIVE SUMMARY

MONTH: July, 1981

The scheduled refueling and inspection (10 year) continued on Oconee 1 the complete month. NRC required modifications and other maintenance items continued.

Removal of the reactor core barrel has revealed a problem with the bolts holding the grid flow distributors to the thermal shield. Several bolts are missing and others are at irregular positions. Investigation of the problem 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: September, 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: 177.
(b) in the spent fuel pool: 342*
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: August 15, 1981

Name of Contact: J. A. Reavis

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

OPERATING DATA REPORT

DOCKET NO. 50-270
DATE 08-15-81
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 2
2. Reporting Period: July, 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 | 5,087.0 | 60,432.0 |
| 12. Number Of Hours Reactor Was Critical | 744.0 | 4,785.7 | 43,890.6 |
| 13. Reactor Reserve Shutdown Hours | -- | -- | -- |
| 14. Hours Generator On-Line | 744.0 | 4,747.5 | 42,923.2 |
| 15. Unit Reserve Shutdown Hours | -- | -- | -- |
| 16. Gross Thermal Energy Generated (MWH) | 1,901,119 | 11,413,272 | 101,509,387 |
| 17. Gross Electrical Energy Generated (MWH) | 651,800 | 3,940,320 | 34,552,556 |
| 18. Net Electrical Energy Generated (MWH) | 622,999 | 3,767,214 | 32,809,780 |
| 19. Unit Service Factor | 100.0 | 93.3 | 71.0 |
| 20. Unit Availability Factor | 100.0 | 93.3 | 71.0 |
| 21. Unit Capacity Factor (Using MDC Net) | 97.4 | 86.1 | 62.9 |
| 22. Unit Capacity Factor (Using DER Net) | 94.5 | 83.6 | 61.3 |
| 23. Unit Forced Outage Rate | 0.0 | 0.8 | 16.3 |
| 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 July, 1981DOCKET NO. 50-270UNIT NAME Oconee Unit 2DATE 08-15-81COMPLETED BY J. A. ReavisTELEPHONE (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 |
|-----|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 8-p | 81-07-26 | S | -- | B | -- | | ZZ | ZZZZZZ | The reactor power was reduced in an attempt to isolate a leaking RPS flow transmitter. |

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. 50-270

UNIT Oconee Unit 2

DATE 08-15-81

COMPLETED BY J. A. Reavis

TELEPHONE (704)373-8552

MONTH July, 1981

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>837</u> |
| 2 | <u>841</u> |
| 3 | <u>843</u> |
| 4 | <u>844</u> |
| 5 | <u>843</u> |
| 6 | <u>843</u> |
| 7 | <u>843</u> |
| 8 | <u>842</u> |
| 9 | <u>841</u> |
| 10 | <u>842</u> |
| 11 | <u>842</u> |
| 12 | <u>842</u> |
| 13 | <u>841</u> |
| 14 | <u>841</u> |
| 15 | <u>842</u> |
| 16 | <u>843</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>842</u> |
| 18 | <u>841</u> |
| 19 | <u>841</u> |
| 20 | <u>841</u> |
| 21 | <u>840</u> |
| 22 | <u>840</u> |
| 23 | <u>840</u> |
| 24 | <u>839</u> |
| 25 | <u>839</u> |
| 26 | <u>801</u> |
| 27 | <u>839</u> |
| 28 | <u>777</u> |
| 29 | <u>827</u> |
| 30 | <u>839</u> |
| 31 | <u>841</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: 08-15-81

NARRATIVE SUMMARY

MONTH: July, 1981

Oconee 2 began the month of July at near rated power. On July 26, the reactor power was reduced for operation stability while attempting to isolate a leaking RPS (reactor protective system) flow transmitter. The reactor was returned to near rated power the same day. An ICS (intergrated control system) run back to 55% power was experienced on July 28, due to a control rod group out limit. After correction of the problem the reactor was returned to near rated power and continued the remainder of the month.

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: 342*
8. Present licensed fuel pool capacity: 1312*
Size of requested or planned increase: _____
9. Projected date of last refueling which can be accommodated by present licensed capacity: _____

DUKE POWER COMPANY

Date: August 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 08-15-81
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-8552

OPERATING STATUS

1. Unit Name: Oconee Unit 3
2. Reporting Period: July, 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 | <u>744.0</u> | <u>5,087.0</u> | <u>58,079.0</u> |
| 12. Number Of Hours Reactor Was Critical | <u>744.0</u> | <u>3,268.1</u> | <u>41,672.2</u> |
| 13. Reactor Reserve Shutdown Hours | <u>--</u> | <u>--</u> | <u>--</u> |
| 14. Hours Generator On-Line | <u>744.0</u> | <u>3,210.3</u> | <u>40,689.2</u> |
| 15. Unit Reserve Shutdown Hours | <u>--</u> | <u>--</u> | <u>--</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>1,906,492</u> | <u>8,020,701</u> | <u>98,325,042</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>653,760</u> | <u>2,768,950</u> | <u>34,000,164</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>624,829</u> | <u>2,631,874</u> | <u>32,346,269</u> |
| 19. Unit Service Factor | <u>100.0</u> | <u>63.1</u> | <u>70.1</u> |
| 20. Unit Availability Factor | <u>100.0</u> | <u>63.1</u> | <u>70.1</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>97.7</u> | <u>60.2</u> | <u>64.5</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>94.8</u> | <u>58.4</u> | <u>62.9</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>3.9</u> | <u>16.0</u> |
| 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 | <u> </u> | <u> </u> |
| INITIAL ELECTRICITY | <u> </u> | <u> </u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1981

DOCKET NO. 50-287
 UNIT NAME Oconee Unit 3
 DATE 08-15-81
 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 |
|-----|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 8-p | 81-07-18 | F | -- | D | -- | | CF | PUMPXX | Reduction due to technical specification limitation of 24 hours with an LPI pump inoperable. Bearings were replaced on 3B LPI pump. |
| 9-p | 81-07-31 | F | -- | B | -- | | HA | TURBIN | Power reduced to perform turbine valve movement tests. |

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 08-15-81
 COMPLETED BY J. A. Reavis
 TELEPHONE (704)373-8552

MONTH July, 1981

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>830</u> |
| 2 | <u>844</u> |
| 3 | <u>845</u> |
| 4 | <u>845</u> |
| 5 | <u>844</u> |
| 6 | <u>843</u> |
| 7 | <u>844</u> |
| 8 | <u>844</u> |
| 9 | <u>844</u> |
| 10 | <u>843</u> |
| 11 | <u>843</u> |
| 12 | <u>842</u> |
| 13 | <u>842</u> |
| 14 | <u>843</u> |
| 15 | <u>842</u> |
| 16 | <u>841</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>840</u> |
| 18 | <u>819</u> |
| 19 | <u>840</u> |
| 20 | <u>839</u> |
| 21 | <u>841</u> |
| 22 | <u>840</u> |
| 23 | <u>841</u> |
| 24 | <u>840</u> |
| 25 | <u>839</u> |
| 26 | <u>839</u> |
| 27 | <u>841</u> |
| 28 | <u>839</u> |
| 29 | <u>838</u> |
| 30 | <u>837</u> |
| 31 | <u>822</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: 08-15-81

NARRATIVE SUMMARY

MONTH: July, 1981

Oconee 3 ran at near rated power the early portion of July. On July 18, the power was reduced per technical specifications with the 3 "B" LPI pump being inoperable more than twenty four (24) hours. The pump was declared operable and the power increased the same day. A turbine valve movement test necessitated a power reduction for a couple hours on July 31. The month ended with the unit at near rated power.

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

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, 1982.
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: 463.
8. Present licensed fuel pool capacity: 474.
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: August 15, 1981

Name of Contact: J. A. Reavis

OCONEE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of June no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

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

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