

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

August 15, 1983

TELEPHONE
(704) 373-4531

Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

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

Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of July, 1983.

Very truly yours,

H.B. Tucker / *HT*
Hal B. Tucker

JAR:scs

Attachments

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Mr. Phil Ross
U. S. Nuclear Regulatory Commission
MNBB-5715
Washington, D. C. 20555

Senior Resident Inspector
Oconee Nuclear Station

Mr. J. F. Suermann, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

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OPERA DATA REPORT

DOCKET NO. 50-269
DATE 8-15-83
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee No. 1
2. Reporting Period: July 1, 1983 - July 31, 1983
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>88 032.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>3 633.9</u>	<u>61 300.9</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>3 608.5</u>	<u>58 191.5</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>9 155 900</u>	<u>138 275 587</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>3 181 070</u>	<u>48 098 980</u>
18. Net Electrical Energy Generated (MWH)	<u>-3 188</u>	<u>3 034 605</u>	<u>45 531 531</u>
19. Unit Service Factor	<u>0.0</u>	<u>70.9</u>	<u>66.1</u>
20. Unit Availability Factor	<u>0.0</u>	<u>70.9</u>	<u>66.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>69.4</u>	<u>60.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>67.3</u>	<u>58.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.8</u>	<u>18.2</u>
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: August 18, 1983

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>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269

UNIT Oconee 1

DATE 8-15-83

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

MONTH July, 1983

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. Round to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1983

DOCKET NO. 50-269
 UNIT NAME Oconee 1
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Codes	Cause & Corrective Action to Prevent Recurrence
4	83-07-01	S	744.00	C	--		RC	Fuelxx	Normal Refueling and NSM work.

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 (EFRE) File (NURLG-
 0161)

5 Exhibit I - Same Source

DOCKET NO: 50-269

UNIT: Oconee 1

DATE: 8-15-83

NARRATIVE SUMMARY

Month: July, 1983

Oconee Unit 1 remained shutdown the entire month of July for normal refueling and NSM work.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1.
2. Scheduled next refueling shutdown: Currently Refueling.
3. Scheduled restart following refueling: August, 1983.
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? N/A.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A.
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: 1011*.
 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, 1983.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

OPERATING DATA REPORT

DOCKET NO. 50-270
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee No. 2
2. Reporting Period: July 1, 1983 - July 31, 1983
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>77 952.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>4 746.7</u>	<u>55 660.4</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4 727.3</u>	<u>54 537.7</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 909 866</u>	<u>12 017 561</u>	<u>128 680 870</u>
17. Gross Electrical Energy Generated (MWH)	<u>646 520</u>	<u>4 109 070</u>	<u>43 821 216</u>
18. Net Electrical Energy Generated (MWH)	<u>618 215</u>	<u>3 931 281</u>	<u>41 601 516</u>
19. Unit Service Factor	<u>100.0</u>	<u>92.9</u>	<u>70.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>92.9</u>	<u>70.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.6</u>	<u>89.9</u>	<u>61.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.8</u>	<u>87.2</u>	<u>60.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>3.1</u>	<u>16.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - September 25, 1983 - 10 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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270
 UNIT Oconee 2
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

MONTH July, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>835</u>
2	<u>834</u>
3	<u>834</u>
4	<u>834</u>
5	<u>834</u>
6	<u>834</u>
7	<u>833</u>
8	<u>834</u>
9	<u>834</u>
10	<u>834</u>
11	<u>833</u>
12	<u>833</u>
13	<u>832</u>
14	<u>832</u>
15	<u>832</u>
16	<u>831</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>832</u>
18	<u>831</u>
19	<u>831</u>
20	<u>830</u>
21	<u>830</u>
22	<u>830</u>
23	<u>830</u>
24	<u>829</u>
25	<u>829</u>
26	<u>829</u>
27	<u>829</u>
28	<u>829</u>
29	<u>829</u>
30	<u>812</u>
31	<u>827</u>

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1983

DOCKET NO. 50-270
 UNIT NAME Oconee 2
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Codes	Cause & Corrective Action to Prevent Recurrence
9-P	83-07-30	S	--	B	--		CC	Valvex	Turbine Valve Movement Test

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

DOCKET NO: 50-270

UNIT: Oconee 2

DATE: 8-15-83

NARRATIVE SUNDIARY

Month: July, 1983

Oconee Unit 2 ran well the entire month of July, 1983. On July 30 power was reduced to 88% to perform the monthly turbine valve movement test. The test was completed and the Unit returned to 100% power the same day.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2.
2. Scheduled next refueling shutdown: September, 1983.
3. Scheduled restart following refueling: November, 1983.
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? N/A.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A.
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: 1011*.
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, 1983.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

OPERATING DATA REPORT

DOCKET NO. 50-287
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee No. 3
2. Reporting Period: July 1, 1983 - July 31, 1983
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>75 599.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>5 003.3</u>	<u>53 224.4</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4 964.4</u>	<u>52 107.7</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 897 639</u>	<u>12 590 659</u>	<u>126 639 720</u>
17. Gross Electrical Energy Generated (MWH)	<u>659 490</u>	<u>4 371 380</u>	<u>43 769 194</u>
18. Net Electrical Energy Generated (MWH)	<u>631 591</u>	<u>4 188 490</u>	<u>41 656 591</u>
19. Unit Service Factor	<u>100.0</u>	<u>97.6</u>	<u>68.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>97.6</u>	<u>68.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.7</u>	<u>95.7</u>	<u>63.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.8</u>	<u>92.9</u>	<u>62.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>2.4</u>	<u>16.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Pressure Relief Valve Repairs - August 19, 1983 - 1 Week</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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287
 UNIT Oconee 3
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

MONTH July, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>832</u>
2	<u>853</u>
3	<u>853</u>
4	<u>853</u>
5	<u>853</u>
6	<u>853</u>
7	<u>853</u>
8	<u>853</u>
9	<u>853</u>
10	<u>852</u>
11	<u>853</u>
12	<u>852</u>
13	<u>834</u>
14	<u>839</u>
15	<u>851</u>
16	<u>851</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>850</u>
18	<u>850</u>
19	<u>850</u>
20	<u>850</u>
21	<u>849</u>
22	<u>849</u>
23	<u>849</u>
24	<u>848</u>
25	<u>849</u>
26	<u>848</u>
27	<u>847</u>
28	<u>849</u>
29	<u>849</u>
30	<u>847</u>
31	<u>846</u>

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1983

DOCKET NO. 50-287
 UNIT NAME Oconee 3
 DATE 8-15-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Codes	Cause & Corrective Action to Prevent Recurrence
10-P	83-07-01	F	--	B	--		CH	Pumpxx	Reduced Power to 90% to Work On the D1 Heater Drain Pump.
11-P	83-07-13	F	--	B	--		CH	Pumpxx	Reduced Power to 88% to Work on the D1 Heater Drain Pump

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

DOCKET NO: 50-287

UNIT: Oconee 3

DATE: 8-15-83

NARRATIVE SUMMARY

Month: July, 1983

Oconee Unit 3 entered the month of July at full power. On July 1 and July 13 power was reduced to permit work on the D1 heater drain pump. The unit returned to full power without any major problems following the maintenance.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3.
2. Scheduled next refueling shutdown: May, 1984.
3. Scheduled restart following refueling: July, 1984.
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? N/A.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A.
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: 40.
 8. Present licensed fuel pool capacity: 474.
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, 1983.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OCONEE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of June, 7 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.660 rem, which represents approximately 13.8% of that person's allowable annual 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.