

MONTHLY REPORTS (FOR GRAY BOOK PREPARATION)

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(TEMPORARY FORM)

CONTROL NO: 7464FILE: MONTHLY REPORT FILE

FROM: Duke Power Co. Charlotte, N. C. William O. Parker, Jr.		DATE OF DOC 7-9-75	DATE REC'D 7-14-75	LTR XXXX	TWX	RPT	OTHER
TO: NRC		ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXXXX</u> SENT LOCAL PDR <u>XXXXX</u>		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269/270 <u>287</u>		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Monthly Report for June 1975
Plant & Component Operability & Availability
This Report to be used in preparing Gray Book
by Plans & Operations.

NUMBER OF COPIES REC'D: 1PLANT NAME: Oconee 1,2,3

FOR ACTION/INFORMATION

VCR 7-14-75

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DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

July 9, 1975

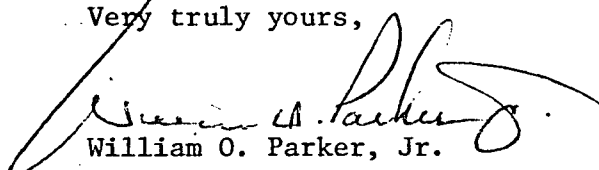
Director
Office of Management Information
and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

Dear Sir:

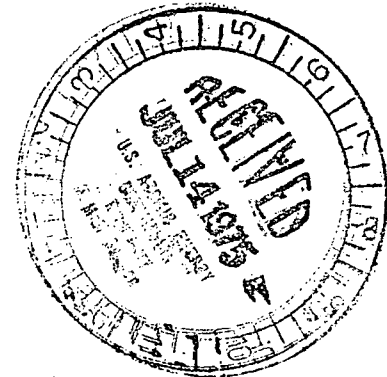
Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of June, 1975.

Very truly yours,


William O. Parker, Jr.

MST:vr
Attachment

cc: Mr. Norman C. Moseley



7464

Oconee Unit 1
DATE 7/9/75
DOCKET NO. 50-269
PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: June 1, 1975 THROUGH June 30, 1975
GROSS HOURS IN REPORTING PERIOD: 720.00
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2568 NET CAPABILITY
(MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) None
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>693.6</u>	<u>2536.8</u>	<u>10791.2</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1736812</u>	<u>5801035</u>	<u>24038545</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>606280</u>	<u>2041200</u>	<u>8359900</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>578396</u>	<u>1922597</u>	<u>7875616</u>
12. REACTOR SERVICE FACTOR	<u>99.1</u>	<u>63.1</u>	<u>73.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>98.6</u>	<u>59.3</u>	<u>64.2</u>
14. UNIT SERVICE FACTOR	<u>96.3</u>	<u>58.4</u>	<u>62.9</u>
15. UNIT AVILABILITY FACTOR	<u>96.3</u>	<u>58.4</u>	<u>63.1</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>92.2</u>	<u>50.8</u>	<u>52.7</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>90.6</u>	<u>49.9</u>	<u>51.7</u>
18. UNIT FORCED OUTAGE RATE	<u>3.7</u>	<u>41.1</u>	<u>21.3</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT FORCED OUTAGE RATE} = \frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$$

UNIT SHUTDOWNS

DOCKET NO. 50-269
UNIT NAME Oconee Unit 1
DATE 7/9/75

REPORT MONTH June, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
9	750608	F	16.5	A	3	Turbine tripped due to low turbine control oil pressure
10	750609	F	9.9	G	3	Unit tripped during restart due to high RC pressure while in manual control
						<div>(1) REASON A-EQUIPMENT FAILURE (EXPLAIN) B-MAINT. OR TEST C-REFUELING D-REGULATORY RESTRICTION E-OPERATOR TRAINING AND LICENSE EXAMINATION F-ADMINISTRATIVE G-OPERATIONAL ERROR (EXPLAIN) H-OTHER (EXPLAIN)</div> <div>(2) METHOD 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM</div>

SUMMARY: Unit operated base loaded during the month.

DOCKET NO. 50-269
UNIT Oconee Unit 1
DATE 7/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH June, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>862</u>
2	<u>861</u>
3	<u>864</u>
4	<u>864</u>
5	<u>864</u>
6	<u>865</u>
7	<u>866</u>
8	<u>146</u>
9	<u>297</u>
10	<u>755</u>
11	<u>762</u>
12	<u>817</u>
13	<u>852</u>
14	<u>851</u>
15	<u>847</u>
16	<u>849</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	<u>850</u>
18	<u>849</u>
19	<u>849</u>
20	<u>848</u>
21	<u>851</u>
22	<u>852</u>
23	<u>852</u>
24	<u>820</u>
25	<u>854</u>
26	<u>854</u>
27	<u>853</u>
28	<u>849</u>
29	<u>848</u>
30	<u>851</u>
31	<u></u>

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

Oconee Unit 2
 DATE 7/9/75
 DOCKET NO. 50-270
 PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: June 1, 1975 THROUGH June 30, 1975
 GROSS HOURS IN REPORTING PERIOD: 720.00
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2568 NET CAPABILITY
 (MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) None
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	<u>648.9</u>	<u>2938.3</u>	<u>4813.7</u>
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1606911</u>	<u>6922238</u>	<u>11229136</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>542710</u>	<u>2364300</u>	<u>3833276</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>518020</u>	<u>2243654</u>	<u>3631180</u>
12. REACTOR SERVICE FACTOR	<u>90.3</u>	<u>69.9</u>	<u>70.4</u>
13. REACTOR AVAILABILITY FACTOR	<u>90.1</u>	<u>67.9</u>	<u>68.3</u>
14. UNIT SERVICE FACTOR	<u>90.1</u>	<u>67.7</u>	<u>68.0</u>
15. UNIT AVILABILITY FACTOR	<u>90.1</u>	<u>67.7</u>	<u>68.0</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>82.6</u>	<u>59.3</u>	<u>58.9</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>81.1</u>	<u>58.2</u>	<u>57.8</u>
18. UNIT FORCED OUTAGE RATE	<u>9.9</u>	<u>31.8</u>	<u>31.6</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT FORCED OUTAGE RATE} = \frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$$

UNIT SHUTDOWNS

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE 7/9/75

REPORT MONTH June, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
10	750628	F	71.2	A	1	<p>Unit shutdown to investigate low RC pump oil level and to perform surveillance tests.</p> <div> <div> <p>(1) REASON</p> <p>A-EQUIPMENT FAILURE (EXPLAIN)</p> <p>B-MAINT. OR TEST.</p> <p>C-REFUELING</p> <p>D-REGULATORY RESTRICTION</p> <p>E-OPERATOR TRAINING AND LICENSE EXAMINATION</p> <p>F-ADMINISTRATIVE</p> <p>G-OPERATIONAL ERROR (EXPLAIN)</p> <p>H-OTHER (EXPLAIN)</p> </div> <div> <p>(2) METHOD</p> <p>1-MANUAL</p> <p>2-MANUAL SCRAM</p> <p>3-AUTOMATIC SCRAM</p> </div> </div>

SUMMARY: Unit remained base loaded until June 28, 1975 when shutdown to investigate low RC pump oil level.

DOCKET NO. 50-270
UNIT Oconee Unit 2
DATE 7/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH June, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>794</u>
2	<u>819</u>
3	<u>805</u>
4	<u>817</u>
5	<u>817</u>
6	<u>816</u>
7	<u>819</u>
8	<u>812</u>
9	<u>811</u>
10	<u>818</u>
11	<u>818</u>
12	<u>821</u>
13	<u>822</u>
14	<u>818</u>
15	<u>817</u>
16	<u>822</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	<u>827</u>
18	<u>829</u>
19	<u>827</u>
20	<u>827</u>
21	<u>822</u>
22	<u>822</u>
23	<u>813</u>
24	<u>809</u>
25	<u>794</u>
26	<u>599</u>
27	<u>604</u>
28	<u>-</u>
29	<u>-</u>
30	<u>-</u>
31	<u>-</u>

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

Unit Oconee Unit 3
DATE 7/9/75
DOCKET NO. 50-287
PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: June 1, 1975 THROUGH June 30, 1975
GROSS HOURS IN REPORTING PERIOD: 720.00
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2568 NET CAPABILITY
(MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) None
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>426.7</u>	<u>2855.2</u>	<u>3039.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>411.6</u>	<u>2755.6</u>	<u>2938.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>987720</u>	<u>5879582</u>	<u>6324232</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>334850</u>	<u>2024050</u>	<u>2172964</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>317024</u>	<u>1920207</u>	<u>2061343</u>
12. REACTOR SERVICE FACTOR	<u>59.3</u>	<u>65.7</u>	<u>64.3</u>
13. REACTOR AVAILABILITY FACTOR	<u>57.2</u>	<u>73.7</u>	<u>71.6</u>
14. UNIT SERVICE FACTOR	<u>57.2</u>	<u>63.5</u>	<u>62.2</u>
15. UNIT AVILABILITY FACTOR	<u>57.2</u>	<u>63.5</u>	<u>62.2</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>50.6</u>	<u>50.8</u>	<u>50.1</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>49.6</u>	<u>49.9</u>	<u>49.2</u>
18. UNIT FORCED OUTAGE RATE	<u>1.1</u>	<u>16.0</u>	<u>15.2</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT FORCED OUTAGE RATE} = \frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$$

UNIT SHUTDOWNS

DOCKET NO. 50-287UNIT NAME Oconee Unit 3DATE 7/9/75REPORT MONTH June, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
11	750613	S	303.8	B	1	Reactor coolant pump seal maintenance
12	750627	F	4.6	B	1	Shutdown to balance reactor coolant pump
						<div>(1) REASON</div> <div>A-EQUIPMENT FAILURE (EXPLAIN) B-MAINT. OR TEST C-REFUELING D-REGULATORY RESTRICTION E-OPERATOR TRAINING AND LICENSE EXAMINATION F-ADMINISTRATIVE G-OPERATIONAL ERROR (EXPLAIN) H-OTHER (EXPLAIN)</div> <div>(2) METHOD</div> <div>1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM</div>

SUMMARY: The unit was shutdown for two weeks for reactor coolant pump seal replacement.

DOCKET NO. 50-287
UNIT Oconee Unit 3
DATE 7/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH June, 1975

DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

1	<u>808</u>
2	<u>840</u>
3	<u>827</u>
4	<u>842</u>
5	<u>840</u>
6	<u>842</u>
7	<u>842</u>
8	<u>828</u>
9	<u>843</u>
10	<u>841</u>
11	<u>840</u>
12	<u>841</u>
13	<u>454</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>198</u>
27	<u>346</u>
28	<u>639</u>
29	<u>811</u>
30	<u>831</u>
31	<u>-</u>

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.