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(TEMPORARY FORM)

CONTROL NO: 12877
FILE: MONTHLY REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. William O. Parker, Jr.			DATE OF DOC 11-7-75	DATE REC'D 11-10-75	LTR XX	TWX	RPT	OTHER
TO: NRC			ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXXX</u> SENT LOCAL PDR <u>XXXX</u>		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: <u>50-269/270/287</u>		

DESCRIPTION: Ltr trans the following:

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

NUMBER OF COPIES REC'D: 1

PLANT NAME: Oconee 1,2,3

ACKNOWLEDGED DO NOT REMOVE

FOR ACTION/INFORMATION

VCR 11-12-75

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13 encl.

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

November 7, 1975

TELEPHONE: AREA 704
373-4083

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:

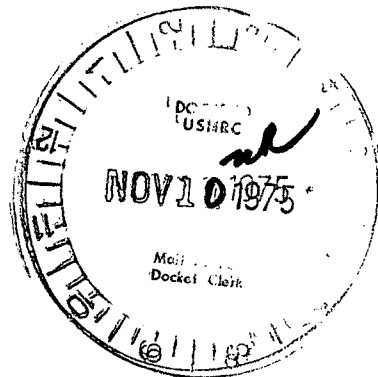
Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of October, 1975.

Very truly yours,

W. O. Parker, Jr.
William O. Parker, Jr. *By [Signature]*

EDB:ge
Attachment

cc: Mr. Norman C. Moseley



UNIT Oconeel
 DATE 11/6/75
 DOCKET NO. 50-269
 PREPARED BY E. D. Blakeman

OPERATING STATUS

1. REPORTING PERIOD: October 1 THROUGH October 31, 1975

GROSS HOURS IN REPORTING PERIOD: 745.00

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)

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>745.0</u>	<u>5540.6</u>	<u>15341.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>745.0</u>	<u>5288.0</u>	<u>13542.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1905505</u>	<u>12698919</u>	<u>30936429</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>656870</u>	<u>4423800</u>	<u>10742500</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>626502</u>	<u>4189086</u>	<u>10142105</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>75.9</u>	<u>76.3</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>73.1</u>	<u>68.5</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>72.5</u>	<u>67.3</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>72.5</u>	<u>67.5</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>96.6</u>	<u>65.9</u>	<u>57.9</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>94.8</u>	<u>64.7</u>	<u>56.9</u>
18. UNIT FORCED OUTAGE RATE	<u>-0-</u>	<u>25.4</u>	<u>17.9</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 11/7/75

REPORT MONTH October

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>(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)</p> </div> <div style="width: 35%;"> <p>(2) METHOD 1--MANUAL 2--MANUAL SCRAM 3--AUTOMATIC SCRAM</p> </div> </div>						

SUMMARY:

No outages this month.

DOCKET NO. 50-269
 UNIT Oconee 1
 DATE 11-7-75

AVERAGE DAILY UNIT POWER LEVEL

MONTH October, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	841
2	846
3	846
4	846
5	845
6	844
7	840
8	848
9	851
10	852
11	851
12	852
13	852
14	852
15	853
16	852

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	848
18	800
19	741
20	788
21	849
22	850
23	848
24	848
25	842
26	881
27	850
28	852
29	851
30	851
31	847

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 2
 DATE 11/6/75
 DOCKET NO. 50-270
 PREPARED BY E. D. Blakeman

OPERATING STATUS

1. REPORTING PERIOD: October 1 THROUGH October 31, 1975
 GROSS HOURS IN REPORTING PERIOD: 745.0
 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)

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>574.3</u>	<u>5203.8</u>	<u>7150.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>572.7</u>	<u>5003.5</u>	<u>6879.0</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1414571</u>	<u>11837920</u>	<u>16144817</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>480070</u>	<u>4022440</u>	<u>5491416</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>457118</u>	<u>3811736</u>	<u>5199262</u>
12. REACTOR SERVICE FACTOR	<u>77.1</u>	<u>71.3</u>	<u>71.3</u>
13. REACTOR AVAILABILITY FACTOR	<u>76.9</u>	<u>69.4</u>	<u>69.3</u>
14. UNIT SERVICE FACTOR	<u>76.9</u>	<u>68.6</u>	<u>68.6</u>
15. UNIT AVAILABILITY FACTOR	<u>76.9</u>	<u>68.6</u>	<u>68.6</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>70.5</u>	<u>60.00</u>	<u>59.5</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>69.2</u>	<u>58.9</u>	<u>58.4</u>
18. UNIT FORCED OUTAGE RATE	<u>23.1</u>	<u>27.0</u>	<u>28.2</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. 50-270

UNIT NAME Oconee Unit 2

DATE 11/7/75

REPORT MONTH October

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
19	751024	F	172.35	B	1	Repaired Reactor Building Electrical Penetration <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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 style="width: 45%;"> <p>(2) METHOD</p> <p>1-MANUAL</p> <p>2-MANUAL SCRAM</p> <p>3-AUTOMATIC SCRAM</p> </div> </div>

SUMMARY:

Unit shutdown to repair RCP 1B1 electrical penetration.
 Also repaired Reactor Coolant pump seals during this outage.

DOCKET NO. 50-270

UNIT Oconee 2

DATE 11/7/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH October, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>827</u>	17	<u>823</u>
2	<u>826</u>	18	<u>824</u>
3	<u>824</u>	19	<u>824</u>
4	<u>827</u>	20	<u>806</u>
5	<u>827</u>	21	<u>824</u>
6	<u>826</u>	22	<u>809</u>
7	<u>785</u>	23	<u>610</u>
8	<u>822</u>	24	<u>482</u>
9	<u>815</u>	25	<u>-</u>
10	<u>816</u>	26	<u>-</u>
11	<u>810</u>	27	<u>-</u>
12	<u>817</u>	28	<u>-</u>
13	<u>821</u>	29	<u>-</u>
14	<u>821</u>	30	<u>-</u>
15	<u>818</u>	31	<u>-</u>
16	<u>824</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 3
 DATE 11/6/75
 DOCKET NO. 50-287
 PREPARED BY E. D. Blakeman

OPERATING STATUS

1. REPORTING PERIOD: October 1 THROUGH October 31, 1975

GROSS HOURS IN REPORTING PERIOD: 745.00

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) _____

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>480.4</u>	<u>5518.2</u>	<u>5702.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>440.9</u>	<u>5336.6</u>	<u>5519.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1007175</u>	<u>11922430</u>	<u>12367080</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>345940</u>	<u>4083390</u>	<u>4232304</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>325943</u>	<u>3878353</u>	<u>4019489</u>
12. REACTOR SERVICE FACTOR	<u>64.5</u>	<u>75.6</u>	<u>74.3</u>
13. REACTOR AVAILABILITY FACTOR	<u>59.2</u>	<u>79.6</u>	<u>78.0</u>
14. UNIT SERVICE FACTOR	<u>59.2</u>	<u>73.2</u>	<u>71.99</u>
15. UNIT AVAILABILITY FACTOR	<u>59.2</u>	<u>73.2</u>	<u>71.9</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>50.2</u>	<u>61.0</u>	<u>60.1</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>49.3</u>	<u>59.9</u>	<u>59.0</u>
18. UNIT FORCED OUTAGE RATE	<u>40.8</u>	<u>14.3</u>	<u>13.9</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. 50-287

UNIT NAME Oconee Unit 3

DATE 11/7/75

REPORT MONTH October

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
19	751001	F	276.03	H	3	Continuation of previous outage.
20	751014	F	28.1	G	3	Reactor trip on flux imbalance.

(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)

(2) METHOD
 1-MANUAL
 2-MANUAL
 SCRAM
 3-AUTOMATIC
 SCRAM

SUMMARY: Replaced and modified one RCP seal on outage 19.

DOCKET NO. 50-287UNIT Oconee 3DATE 11/7/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH October, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	-	17	660
2	-	18	751
3	-	19	794
4	-	20	790
5	-	21	795
6	-	22	803
7	-	23	803
8	-	24	799
9	-	25	783
10	-	26	831
11	-	27	799
12	164	28	798
13	628	29	798
14	530	30	801
15	-	31	801
16	578		

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.