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(TEMPORARY FORM)

CONTROL NO: 10828FILE: MONTHLY REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. William O. Parker			DATE OF DOC 10-8-75	DATE REC'D 10-10-75	LTR XXX	TWX	RPT	OTHER
TO: NRC			ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-269/270/287		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Monthly Report for September 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

SAB 10-10-75

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DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
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STEAM PRODUCTION

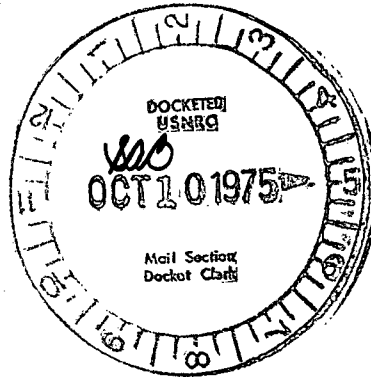
October 8, 1975

Regulatory

TELEPHONE AREA 704
373-4083

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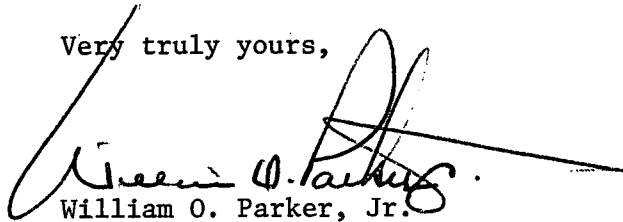
Re: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287



Dear Sir:

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

Very truly yours,


William O. Parker, Jr.

ROS:ge
Attachment

cc: Mr. Norman C. Moseley



10828

UNIT Oconee Unit 1
DATE 10-8-75
DOCKET NO. 50-269
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: September 1 THROUGH September 30, 1975
GROSS HOURS IN REPORTING PERIOD: 720.0
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)
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>720.0</u>	<u>4795.6</u>	<u>14596.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>720.0</u>	<u>4543.0</u>	<u>12797.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1841182</u>	<u>10793414</u>	<u>29030924</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>631790</u>	<u>3766930</u>	<u>10085630</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>602457</u>	<u>3562584</u>	<u>9515603</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>73.2</u>	<u>75.4</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>70.0</u>	<u>67.3</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>69.4</u>	<u>66.1</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>69.4</u>	<u>66.2</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>96.1</u>	<u>62.4</u>	<u>56.4</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>94.3</u>	<u>61.3</u>	<u>55.4</u>
18. UNIT FORCED OUTAGE RATE	<u>-0-</u>	<u>28.4</u>	<u>18.8</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
Refueling, February 1976
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 10-8-75

REPORT MONTH September 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
						<div> <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> </div>

SUMMARY:

No outages this month.

DOCKET NO. 50-269UNIT Oconee Unit 1DATE 10/8/75**AVERAGE DAILY UNIT POWER LEVEL**MONTH September, 1975**DAY** **AVERAGE DAILY POWER LEVEL**
 (MWe-net)

1	<u>842</u>
2	<u>841</u>
3	<u>795</u>
4	<u>835</u>
5	<u>837</u>
6	<u>827</u>
7	<u>833</u>
8	<u>830</u>
9	<u>825</u>
10	<u>831</u>
11	<u>832</u>
12	<u>827</u>
13	<u>830</u>
14	<u>833</u>
15	<u>833</u>
16	<u>836</u>

DAY **AVERAGE DAILY POWER LEVEL**
 (MWe-net)

17	<u>843</u>
18	<u>841</u>
19	<u>843</u>
20	<u>840</u>
21	<u>843</u>
22	<u>845</u>
23	<u>846</u>
24	<u>845</u>
25	<u>844</u>
26	<u>845</u>
27	<u>844</u>
28	<u>846</u>
29	<u>847</u>
30	<u>845</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 2
DATE 10-8-75
DOCKET NO. 50-270
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: September 1 THROUGH September 30, 1975
GROSS HOURS IN REPORTING PERIOD: 720.0

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>399.1</u>	<u>4269.5</u>	<u>6575.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>350.4</u>	<u>4430.8</u>	<u>6306.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>818060</u>	<u>10423349</u>	<u>14730246</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>277420</u>	<u>3542370</u>	<u>5011346</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>259740</u>	<u>3354618</u>	<u>4742144</u>
12. REACTOR SERVICE FACTOR	<u>55.4</u>	<u>70.7</u>	<u>70.8</u>
13. REACTOR AVAILABILITY FACTOR	<u>52.6</u>	<u>68.5</u>	<u>68.7</u>
14. UNIT SERVICE FACTOR	<u>48.7</u>	<u>67.6</u>	<u>67.9</u>
15. UNIT AVAILABILITY FACTOR	<u>48.7</u>	<u>67.6</u>	<u>67.9</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>41.4</u>	<u>58.8</u>	<u>55.3</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>40.7</u>	<u>57.7</u>	<u>54.3</u>
18. UNIT FORCED OUTAGE RATE	<u>7.6</u>	<u>27.5</u>	<u>28.6</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 10-8-75

REPORT MONTH September 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
17	750901	S	341.0	B	1	Continuation of 750829 outage
18	750919	F	28.6	A	3	Spurious generator relay operation
						<div> <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> <div> <div>(2) METHOD</div> <div> 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM </div> </div>

SUMMARY:

Unit out of service approximately two weeks for completion of RC pump seal replacement.

DOCKET NO. 50-270UNIT Oconee Unit 2DATE 10-8-75**AVERAGE DAILY UNIT POWER LEVEL**MONTH September, 1975**DAY** **AVERAGE DAILY POWER LEVEL**
 (MWe-net)

1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	360
16	647

DAY **AVERAGE DAILY POWER LEVEL**
 (MWe-net)

17	731
18	816
19	632
20	-
21	549
22	703
23	810
24	815
25	812
26	818
27	824
28	825
29	825
30	825
31	

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 10-8-75
DOCKET NO. 50-287
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: September 1 THROUGH September 30, 1975
GROSS HOURS IN REPORTING PERIOD: 720.0

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>717.1</u>	<u>5037.8</u>	<u>5221.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>703.9</u>	<u>4895.7</u>	<u>5078.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1557210</u>	<u>10915255</u>	<u>11359905</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>525780</u>	<u>3737450</u>	<u>3886364</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>500000</u>	<u>3552410</u>	<u>3693546</u>
12. REACTOR SERVICE FACTOR	<u>99.6</u>	<u>76.9</u>	<u>75.3</u>
13. REACTOR AVAILABILITY FACTOR	<u>99.3</u>	<u>82.0</u>	<u>80.1</u>
14. UNIT SERVICE FACTOR	<u>97.8</u>	<u>74.7</u>	<u>73.2</u>
15. UNIT AVAILABILITY FACTOR	<u>97.8</u>	<u>74.7</u>	<u>73.2</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>79.7</u>	<u>62.3</u>	<u>61.2</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>78.3</u>	<u>61.1</u>	<u>60.0</u>
18. UNIT FORCED OUTAGE RATE	<u>2.2</u>	<u>10.7</u>	<u>10.3</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:
10/10/75

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

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

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

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE 10-8-75

REPORT MONTH September 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
17	750903	F	6.6	A	3	Turbine oil system malfunction
18	750912	F	4.8	A	3	Turbine oil system malfunction
19	750930	F	4.8	H	3	Reactor trip during load transient
						<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> <p>(2) METHOD</p> <p>1-MANUAL</p> <p>2-MANUAL SCRAM</p> <p>3-AUTOMATIC SCRAM</p>

SUMMARY:

Unit operated at 75% full power since 9/23/75 due to high RC pump seal leakage.
Unit shutdown at end of month to replace the RC pump seal.

DOCKET NO. 50-287UNIT Oconee Unit 3DATE 10-8-75**AVERAGE DAILY UNIT POWER LEVEL**MONTH September, 1975**AVERAGE DAILY POWER LEVEL
(MWe-net)**

1	<u>624</u>
2	<u>622</u>
3	<u>525</u>
4	<u>467</u>
5	<u>701</u>
6	<u>813</u>
7	<u>813</u>
8	<u>812</u>
9	<u>811</u>
10	<u>810</u>
11	<u>811</u>
12	<u>768</u>
13	<u>277</u>
14	<u>635</u>
15	<u>817</u>
16	<u>819</u>

**AVERAGE DAILY POWER LEVEL
(MWe-net)**

17	<u>821</u>
18	<u>821</u>
19	<u>808</u>
20	<u>816</u>
21	<u>807</u>
22	<u>741</u>
23	<u>627</u>
24	<u>630</u>
25	<u>630</u>
26	<u>628</u>
27	<u>625</u>
28	<u>629</u>
29	<u>629</u>
30	<u>499</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.