

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 10828

FILE: 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: PLANT NAME: Oconee <u>1+2, 3</u>				ENCLOSURES: Monthly Report for <u>September 1975</u> Plant & Component Operability & Availability This Report to be used in preparing Gray Book by Plans & Operations. NUMBER OF COPIES REC'D: <u>1</u>			

FOR ACTION/INFORMATION

SAB 10-10-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	MIPC/PE W/4 Copies

ACKNOWLEDGED

DO NOT REMOVE

INTERNAL DISTRIBUTION

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) STEELE	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHEROCK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	A/T IND. BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON
--	---	--	--	--

EXTERNAL DISTRIBUTION

- | | | |
|-------------------------------------|--------------------------------|---|
| 1 - LOCAL PDR <u>Walhalla, S.C.</u> | 1 - NATIONAL LABS | 1 - PDR-SAN/LA/NY |
| 1 - TIC (ABERNATHY) (1)(2)(10) | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB |
| 1 - NSIC (BUCHANAN) | 1 - CONSULTANTS | 1 - G. ULRIKSON, ORNL |
| 1 - ASLB | NEWMARK/BLUME/AGBABIAN | 1 - AGMED (RUTH GUSSMAN)
Rm B-127 GT |
| 1 - Newton Anderson | | 1 - J. D. RUNKLES, Rm E-201
GT |
| 1 - ACRS HOLDING/SENT | | |

DUKE POWER COMPANY

POWER BUILDING

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

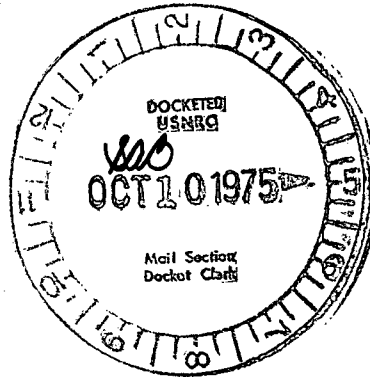
WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

October 8, 1975

Regulatory

OCONEE AREA 704
TELEPHONE 373-4083

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

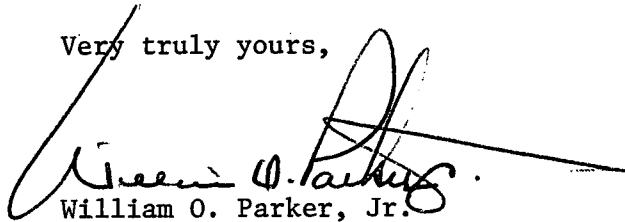


Re: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

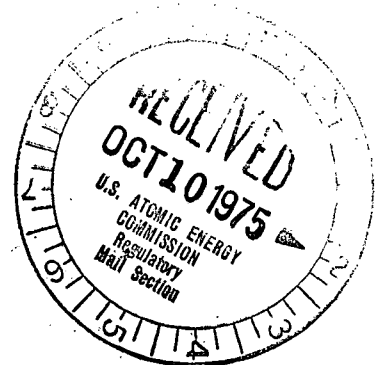
Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of September, 1975.

Very truly yours,


William O. Parker, Jr.

ROS:ge
Attachment

cc: Mr. Norman C. Moseley



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>
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	<u>720.0</u>	<u>4543.0</u>	<u>12797.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
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
<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> <p>(2) METHOD 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM</p>						

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)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	842	17	843
2	841	18	841
3	795	19	843
4	835	20	840
5	837	21	843
6	827	22	845
7	833	23	846
8	830	24	845
9	825	25	844
10	831	26	845
11	832	27	844
12	827	28	846
13	830	29	847
14	833	30	845
15	833	31	
16	836		

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

(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:

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)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	-	17	731
2	-	18	816
3	-	19	632
4	-	20	-
5	-	21	549
6	-	22	703
7	-	23	810
8	-	24	815
9	-	25	812
10	-	26	818
11	-	27	824
12	-	28	825
13	-	29	825
14	-	30	825
15	360	31	
16	647		

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

(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:

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

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	624	17	821
2	622	18	821
3	525	19	808
4	467	20	816
5	701	21	807
6	813	22	741
7	813	23	627
8	812	24	630
9	811	25	630
10	810	26	628
11	811	27	625
12	768	28	629
13	277	29	629
14	635	30	499
15	817	31	
16	819		

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.