

FROM: Duke Power Company Charlotte, N.C. A.C.Thies		DATE OF DOC 11-8-74	DATE REC'D 11-11-74	LTR XXXX	TWX	RPT	OTHER
TO: Director of Regulatory Operations		ORIG 1-signed	CC	OTHER	SENT AEC PDR SENT LOCAL PDR		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO.: 50-269, 50-270, and 50-287		
DESCRIPTION: Ltr trans the following...				ENCLOSURES: Monthly Report for <u>October</u> Plant & Component Operability & Availability This Report to be used in preparing Grey Book by Plans & Operations.  No. of Cys Rec'd <u>1</u>			
PLANT NAME: Oconee 1-2-3		FOR ACTION/INFORMATION		11-10-74	JGB		

**ACKNOWLEDGED**

**DO NOT REMOVE**

- |                        |                           |                           |                        |
|------------------------|---------------------------|---------------------------|------------------------|
| BUTLER(L)<br>W/ Copies | SCHWENGER(L)<br>W/ Copies | ZIMMERN(L)<br>W/ Copies   | REGAN(E)<br>W/ Copies  |
| CLARK(L)<br>W/ Copies  | STOLZ(L)<br>W/ Copies     | DICKER(E)<br>W/ Copies    | LEAR(L)<br>W/ Copies   |
| PARR(L)<br>W/ Copies   | VASSALLO(L)<br>W/ Copies  | KNIGHTON(E)<br>W/ Copies  | W. Magee<br>W/2 Copies |
| KNIEL(L)<br>W/ Copies  | PURPLE(L)<br>W/ Copies    | YOUNGLOOD(E)<br>W/ Copies | W/ Copies              |

- |  |  |   |   |  |
|--|--|---|---|--|
| <b>REG FILE</b><br>AEC PER<br>OGC, ROOM P-506A<br>MUNZING/STAFF<br>CASE<br>GIAMBUSO<br>BOYD<br>MOORE (L) (ENR)<br>DEYOUNG (L) (ENR)<br>SKOVHOLT (L)<br>GOLLER (L)<br>P. COLLINS<br>DENISE<br>REG OPR<br>FILE & REGION (2)<br>MORRIS<br>STEINLE | <b>TECH REVIEW</b><br>SCHROEDER<br>MACCARI<br>KNIGHT<br>PANLICKI<br>SHAO<br>STELLO<br>HOUSTON<br>NOVAK<br>ROSS<br>IPPOLITO<br>TEDESCO<br>LONG<br>LAINAS<br>BENAROYA<br>VOLLNER | <b>ENVIRO</b><br>MULLER<br>DICKER<br>KNIGHTON<br>YOUNGLOOD<br>REGAN<br>PROJECT LDR<br>HARLESS | <b>LIC ASST</b><br>DIGGS (L)<br>GEARIN (L)<br>GOULBOURNE (L)<br>KREUTZER (E)<br>LEE (L)<br>MAIGRET (L)<br>REED (E)<br>SERVICE (L)<br>SHEPPARD (L)<br>SLATER (E)<br>SMITH (L)<br>TEETS (L)<br>WILLIAMS (E)<br>WILSON (L) | <b>A/T</b><br>BRAITMAN<br>SALTZMAN<br>B. HURT<br><br><b>PLANS</b><br>MCDONALD<br>CHAPMAN<br>DUBE w/input<br>E. COUPE<br><br>D. THOMPSON (2)<br>KLECKER<br>EISENHUT |
|--|--|---|---|--|

- FEDERAL DISSEMINATION
- |                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| 1 - LOCAL FOR Waltham, SC | (1)(2)(10) - NATIONAL LABS     | 1 - PDR-ENR/ENR      |
| 1 - TIC (ASBENTON)        | 1 - ASLEP (E/W Digs, Rm 529)   | 1 - TROCHAVEN        |
| 1 - NSIC (BUCHANAN)       | 1 - W. PENNINGTON, Rm E-201 GT | 1 - G. CLARKSON      |
| 1 - ASLB                  | 1 - BSM SWINERDAD, Rm E-201 GT | 1 - ACKED (Rm E-127) |
| 1 - Norton/Anderson       | 1 - CONDUCTORS                 | 1 - RD. ...          |
| 16 - AGENS HOLDING        | NEWARK/SLOVE/ACBAGLAN          |                      |

*DH Central files*

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

November 8, 1974

Director of Regulatory Operations  
U. S. Atomic Energy Commission  
Washington, D. C. 20545



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

Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of October, 1974. This information is in the format recommended in Regulatory Guide 1.16, Revision 2. Please note that Oconee Unit 2 commenced commercial operation on September 9, 1974. Information presented herein is cumulative from that date.

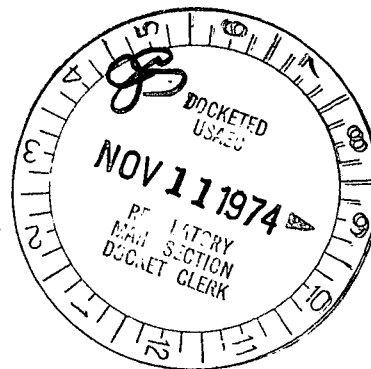
Very truly yours,

*A.C. Thies*

A. C. Thies

ACT:vr  
Attachments

cc: Mr. Norman C. Moseley



~~11559~~  
11559

UNIT Oconee Unit 1

DATE 11/8/74

DOCKET NO. 50-269

**OPERATING STATUS**

1. REPORTING PERIOD: October 1, 1974 THROUGH October 31, 1974  
HOURS IN REPORTING PERIOD: 745
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) 2568 MAX. DEPENDABLE CAPACITY (MWe-NET) 871
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>383.1</u>	<u>5446.6</u>	<u>9800.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>340.5</u>	<u>5265.2</u>	<u>8254.3</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>690694</u>	<u>12226629</u>	<u>18237510</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>227472</u>	<u>4230112</u>	<u>6318700</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>209487</u>	<u>4000606</u>	<u>5959684</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>51.4</u>	<u>74.7</u>	<u>86.3</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>49.3</u>	<u>72.5</u>	<u>72.9</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>32.3</u>	<u>62.9</u>	<u>60.3</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>19.8</u>	<u>7.0</u>	<u>7.7</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):			

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: November 24, 1974
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____
COMMERCIAL OPERATION	_____	_____

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) 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 November 8, 1974

REPORT MONTH October, 1974

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
14	741005	F	73.5	B	1	
15	741016	F	17.0	A	3	
16	741019	S	287.5	C	1	

- |  |   |
|--|---|
| <p>(1) REASON</p> <ul style="list-style-type: none"> <li>A-EQUIPMENT FAILURE (EXPLAIN)</li> <li>B- MAINT. OR TEST.</li> <li>C- REFUELING</li> <li>D-REGULATORY RESTRICTION</li> <li>E-OPERATOR TRAINING AND<br/>LICENSE EXAMINATION</li> <li>F-ADMINISTRATIVE</li> <li>G-OPERATIONAL ERROR<br/>(EXPLAIN)</li> <li>H-OTHER (EXPLAIN)</li> </ul> | <p>(2) METHOD</p> <ul style="list-style-type: none"> <li>1-MANUAL</li> <li>2-MANUAL<br/>SCRAM</li> <li>3-AUTOMATIC<br/>SCRAM</li> </ul> |
|--|---|

SUMMARY:

DOCKET NO. 50-269

UNIT Oconee 1

DATE 11/8/74

**AVERAGE DAILY UNIT POWER LEVEL**

MONTH October, 1974

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>816</u>	17	<u>249</u>
2	<u>789</u>	18	<u>462</u>
3	<u>706</u>	19	<u>-0-</u>
4	<u>706</u>	20	<u>-0-</u>
5	<u>375</u>	21	<u>-0-</u>
6	<u>-0-</u>	22	<u>-0-</u>
7	<u>-0-</u>	23	<u>-0-</u>
8	<u>38</u>	24	<u>-0-</u>
9	<u>369</u>	25	<u>-0-</u>
10	<u>561</u>	26	<u>-0-</u>
11	<u>681</u>	27	<u>-0-</u>
12	<u>690</u>	28	<u>-0-</u>
13	<u>702</u>	29	<u>-0-</u>
14	<u>733</u>	30	<u>-0-</u>
15	<u>736</u>	31	<u>-0-</u>
16	<u>276</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 II

DATE 11/8/74

DOCKET NO. 50-270

OPERATING STATUS

1. REPORTING PERIOD: October 1, 1974 THROUGH October 31, 1974  
HOURS IN REPORTING PERIOD: 745
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) 2568 MAX. DEPENDABLE CAPACITY (MWe-NET) 871
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>203.0</u>	<u>699.0</u>	<u>699.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>190.5</u>	<u>623.9</u>	<u>623.9</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>403970</u>	<u>1337839</u>	<u>1337839</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>137340</u>	<u>455996</u>	<u>455996</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>125397</u>	<u>425153</u>	<u>425153</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>27.2</u>	<u>52.6</u>	<u>52.6</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>25.6</u>	<u>49.0</u>	<u>49.0</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>19.3</u>	<u>38.3</u>	<u>38.3</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>74.4</u>	<u>50.7</u>	<u>50.7</u>

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICAL POWER GENERATION	_____	_____
COMMERCIAL OPERATION	_____	_____

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) 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 November 8, 1974

REPORT MONTH September, 1974

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
1	740909	F	13.9	B	3	
2	740917	F	15.8	B	3	
3	740923	F	3.5	A	3	
4	740927	F	3.5	A	3	
5	740928	F	49.2	A	1	

(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 SHUTDOWNS**

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE November 8, 1974

REPORT MONTH October, 1974

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
5	740928	F	554.5	A	1	<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:



DOCKET NO. 50-270  
 UNIT Oconee 2  
 DATE 11/8/74

**AVERAGE DAILY UNIT POWER LEVEL**

MONTH October, 1974

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	-0-	17	-0-
2	-0-	18	-0-
3	-0-	19	-0-
4	-0-	20	-0-
5	-0-	21	-0-
6	-0-	22	-0-
7	-0-	23	-0-
8	-0-	24	312
9	-0-	25	646
10	-0-	26	553
11	-0-	27	630
12	-0-	28	799
13	-0-	29	819
14	-0-	30	835
15	-0-	31	834
16	-0-		

**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 III

DATE 11/8/74

DOCKET NO. 50-287

OPERATING STATUS

1. REPORTING PERIOD: October 1, 1974 THROUGH October 31, 1974  
HOURS IN REPORTING PERIOD: 745
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) 2568 MAX. DEPENDABLE CAPACITY (MWe-NET) \_\_\_\_\_
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
4. REASONS FOR RESTRICTION (IF ANY): \_\_\_\_\_

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>350.58</u>	<u>489.98</u>	<u>489.98</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>N/A</u>		
7. HOURS GENERATOR ON LINE . . . . .	<u>284.35</u>	<u>355.65</u>	<u>355.65</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>N/A</u>		
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>N/A</u>		
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>76949</u>	<u>76949</u>	<u>76949</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>N/A</u>		
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>N/A</u>		
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>N/A</u>		
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>N/A</u>		
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>N/A</u>		
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):			

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY		<u>9/5/74</u>
INITIAL ELECTRICAL POWER GENERATION		<u>9/18/74</u>
COMMERCIAL OPERATION	<u>12/1/74</u>	

- (1) REACTOR AVAILABILITY FACTOR =  $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR =  $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR =  $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$