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CONTROL NO: 1592

FILE: MONTHLY REPORT FILE

FROM: Duke Power Company Charlotte, NC 28201 A C Thies		DATE OF DOC 2-7-75	DATE REC'D 2-12-75	LTR XXX	TWX	RPT	OTHER
TO: DL		ORIG one signed	CC	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269/270/287		

**DESCRIPTION:**

Ltr trans the following:

**DO NOT REMOVE  
ACKNOWLEDGED**

PLANT NAME: Oconee 1-3

**ENCLOSURES:**

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

No. of Cys Rec'd 1

FOR ACTION/INFORMATION 2-12-75 ehf

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**EXTERNAL DISTRIBUTION**

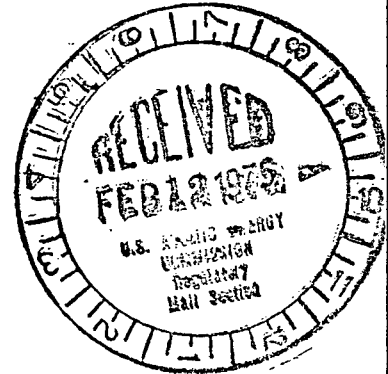
1-LOCAL PDR <u>Walhalla, S.C.</u>	(1) (2) (10) - NATIONAL LABS	1-PDR SAN/LA/NY
1-TIC (ABERNATHY)	1-W. PENNINGTON, RM-E-201 G.T.	1-BROOKHAVEN NAT LA
1-NSIC (BUCHANAN)	1-CONSULTANTS	1-G. ULRIKSON, ORNL
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16-ACRS HOLDING		

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

February 7, 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, and -287

Dear Sir:

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

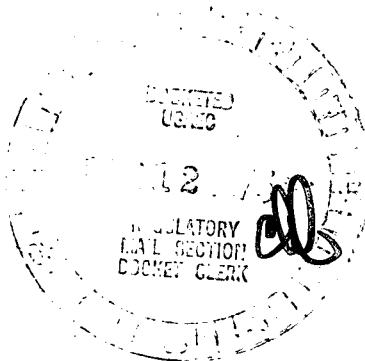
Very truly yours,

*A. C. Thies by F. A. Keller*  
A. C. Thies

ACT:vr

Attachment

bcc: Mr. Norman C. Moseley



1592

UNIT Oconee Unit 1

DATE February 7, 1975

DOCKET NO. 50-269

OPERATING STATUS

1. REPORTING PERIOD: January 1, 1975 THROUGH January 31, 1975  
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MW<sub>th</sub>) 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	0	0	9800.5
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON LINE	0	0	8254.3
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	0	0	18237510
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	0	6318700
11. NET ELECTRICAL ENERGY GENERATED (MWH)	-6039	-6039	5946980
12. REACTOR AVAILABILITY FACTOR (1)	0	0	72.3
13. UNIT AVAILABILITY FACTOR (2)	0	0	60.9
14. UNIT CAPACITY FACTOR (3)	0	0	50.4
15. UNIT FORCED OUTAGE RATE (4)	0	0	7.8
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: February 15, 1975
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 =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-269

UNIT Oconee Unit 1

DATE February 7, 1975

**AVERAGE DAILY UNIT POWER LEVEL**

MONTH January, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</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 SHUTDOWNS**

DOCKET NO. 50-269  
 UNIT NAME Oconee Unit 1  
 DATE 2/7/75

REPORT MONTH January, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
16	741019	S	744.0	C	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:

UNIT Oconee Unit 2

DATE February 7, 1975

DOCKET NO. 50-270

**OPERATING STATUS**

1. REPORTING PERIOD: January 1, 1975 THROUGH January 31, 1975  
HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 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>437.4</u>	<u>437.4</u>	<u>2383.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>429.3</u>	<u>429.3</u>	<u>2304.7</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>1055278</u>	<u>1055278</u>	<u>5362176</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>357490</u>	<u>357490</u>	<u>1826466</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>337583</u>	<u>337583</u>	<u>1725109</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>58.8</u>	<u>58.8</u>	<u>68.5</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>57.7</u>	<u>57.7</u>	<u>66.2</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>52.1</u>	<u>52.1</u>	<u>56.9</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>42.7</u>	<u>42.7</u>	<u>33.6</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: February 16, 1975
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 =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-270UNIT Oconee Unit 2DATE February 7, 1975

## AVERAGE DAILY UNIT POWER LEVEL

MONTH January, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	829	17	828
2	832	18	810
3	511	19	0
4	603	20	0
5	742	21	0
6	822	22	0
7	832	23	0
8	830	24	0
9	820	25	0
10	819	26	0
11	805	27	0
12	829	28	0
13	829	29	0
14	829	30	0
15	828	31	0
16	825		

## 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 SHUTDOWNS

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE February 7, 1975

REPORT MONTH January, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
01	750103	F	3.8	A	1	Crack in main steam instrument line weld
02	750119	F	310.9	A	1	Leaking pressurizer relief

(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 Oconee Unit 3

DATE 2/7/75

DOCKET NO. 50-287

**OPERATING STATUS**

1. REPORTING PERIOD: January 1, 1975 THROUGH January 31, 1975  
HOURS IN REPORTING PERIOD: 744
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>489.3</u>	<u>489.3</u>	<u>673.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>461.1</u>	<u>461.1</u>	<u>643.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1082950</u>	<u>1082950</u>	<u>1527600</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>379560</u>	<u>379560</u>	<u>528474</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>360255</u>	<u>360255</u>	<u>501391</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>65.8</u>	<u>65.8</u>	<u>59.7</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>62.0</u>	<u>62.0</u>	<u>57.1</u>
14. UNIT CAPACITY FACTOR (3)	<u>55.6</u>	<u>55.6</u>	<u>51.0</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>38.0</u>	<u>38.0</u>	<u>42.9</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 =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

DOCKET NO. 50-287

UNIT Oconee Unit 3

DATE 2/7/75

**AVERAGE DAILY UNIT POWER LEVEL**

MONTH January, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>0</u>	17	<u>787</u>
2	<u>0</u>	18	<u>767</u>
3	<u>0</u>	19	<u>732</u>
4	<u>0</u>	20	<u>775</u>
5	<u>0</u>	21	<u>843</u>
6	<u>0</u>	22	<u>856</u>
7	<u>0</u>	23	<u>775</u>
8	<u>0</u>	24	<u>828</u>
9	<u>0</u>	25	<u>846</u>
10	<u>0</u>	26	<u>846</u>
11	<u>0</u>	27	<u>850</u>
12	<u>8</u>	28	<u>757</u>
13	<u>613</u>	29	<u>847</u>
14	<u>720</u>	30	<u>854</u>
15	<u>759</u>	31	<u>853</u>
16	<u>817</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 SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE 2/7/75

REPORT MONTH January, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
01	741223	F	307.0	H	1	<p>Excessive condenser air leakage</p> <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: