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CONTROL NO: 5264

FILE: MONTHLY REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies			DATE OF DOC 5-7-75	DATE REC'D 5-14-75	LTR xxx	TWX	RPT	OTHER
TO: Office of Management Info			ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxx</u> SENT LOCAL PDR <u>xxxxxx</u>		
CLASS	UNCLASS xxxx	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: <u>50-269</u> , 270, and 287		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: Monthly Report for <u>April, 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>				
PLANT NAME: Oconee 1-2-3								

FOR ACTION/INFORMATION 5-15-75 JGB

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EXTERNAL DISTRIBUTION

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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
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1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
1 - ACRS HOLDING/SENT		

DUKE POWER COMPANY

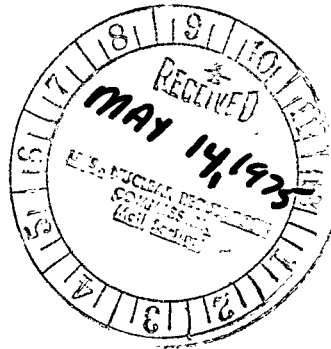
POWER BUILDING

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

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

May 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:

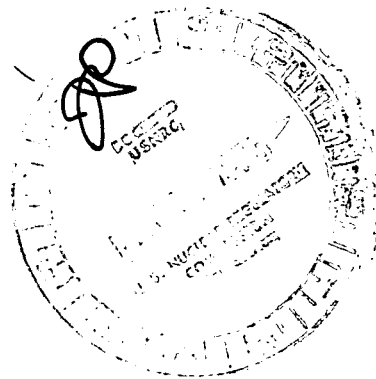
Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of April, 1975.

Very truly yours,

A. C. Thies

ACT:vr
Attachment

cc: Mr. Norman C. Moseley



5264

UNIT Oconee Unit 1

DATE 5/7/75

DOCKET NO. 50-269

OPERATING STATUS

- 1. REPORTING PERIOD: April 1, 1975 THROUGH April 30, 1975
HOURS IN REPORTING PERIOD: 720
- 2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) _____ 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>719.1</u>	<u>1297.8</u>	<u>11098.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON LINE	<u>703.7</u>	<u>1129.6</u>	<u>9384.0</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1547088</u>	<u>2313165</u>	<u>20550675</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>545140</u>	<u>809730</u>	<u>7128430</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>517867</u>	<u>747784</u>	<u>6700803</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>99.9</u>	<u>45.1</u>	<u>70.7</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>97.7</u>	<u>39.2</u>	<u>58.8</u>
14. UNIT CAPACITY FACTOR (3)	<u>82.6</u>	<u>29.8</u>	<u>48.2</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>2.3</u>	<u>60.7</u>	<u>23.6</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: _____
- 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. 50-269UNIT Oconee Unit 1DATE 5/7/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>723</u>	17	<u>854</u>
2	<u>692</u>	18	<u>855</u>
3	<u>514</u>	19	<u>857</u>
4	<u>607</u>	20	<u>857</u>
5	<u>536</u>	21	<u>856</u>
6	<u>538</u>	22	<u>552</u>
7	<u>593</u>	23	<u>257</u>
8	<u>517</u>	24	<u>767</u>
9	<u>527</u>	25	<u>790</u>
10	<u>525</u>	26	<u>849</u>
11	<u>714</u>	27	<u>853</u>
12	<u>778</u>	28	<u>852</u>
13	<u>844</u>	29	<u>853</u>
14	<u>851</u>	30	<u>854</u>
15	<u>856</u>	31	<u>854</u>
16	<u>856</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 May 7, 1975

REPORT MONTH April, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
6	750422	F	7.05	A	3	Integrated Control System malfunction
7	750423	F	9.25	G	3	Unit tripped during 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 Oconee Unit 2

DATE 5/7/75

DOCKET NO. 50-270

OPERATING STATUS

1. REPORTING PERIOD: April 1, 1975 THROUGH April 30, 1975
HOURS IN REPORTING PERIOD: 720.0
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) _____ 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>604.8</u>	<u>1644.1</u>	<u>3590.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>592.5</u>	<u>1564.6</u>	<u>3440.0</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1397342</u>	<u>3641072</u>	<u>7947969</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>482170</u>	<u>1252850</u>	<u>2721826</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>459202</u>	<u>1183550</u>	<u>2571076</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>84.0</u>	<u>57.1</u>	<u>63.9</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>82.3</u>	<u>54.4</u>	<u>61.3</u>
14. UNIT CAPACITY FACTOR (3)	<u>73.2</u>	<u>47.2</u>	<u>52.6</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>17.7</u>	<u>45.3</u>	<u>38.5</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. 50-270
UNIT Oconee Unit 2
DATE 5/7/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>465</u>	17	<u>853</u>
2	<u>-</u>	18	<u>854</u>
3	<u>-</u>	19	<u>851</u>
4	<u>-</u>	20	<u>849</u>
5	<u>-</u>	21	<u>845</u>
6	<u>-</u>	22	<u>844</u>
7	<u>495</u>	23	<u>835</u>
8	<u>673</u>	24	<u>842</u>
9	<u>838</u>	25	<u>800</u>
10	<u>846</u>	26	<u>635</u>
11	<u>850</u>	27	<u>635</u>
12	<u>851</u>	28	<u>589</u>
13	<u>850</u>	29	<u>700</u>
14	<u>852</u>	30	<u>645</u>
15	<u>852</u>	31	<u> </u>
16	<u>852</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. 50-270
 UNIT NAME Oconee Unit 2
 DATE May 7, 1975

REPORT MONTH April, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
7	750401	F	127.52	A	1	Excessive packing leakage on valves RC-1 and RC-3 (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 5/7/75

DOCKET NO. 50-287

OPERATING STATUS

1. REPORTING PERIOD: April 1, 1975 THROUGH April 30, 1975
HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) _____ 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>250.0</u>	<u>2019.4</u>	<u>2203.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON LINE	<u>222.7</u>	<u>1948.3</u>	<u>2131.1</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>420620</u>	<u>3966999</u>	<u>4411649</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>143890</u>	<u>1374800</u>	<u>1523714</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>133679</u>	<u>1306024</u>	<u>1447160</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>34.7</u>	<u>70.1</u>	<u>67.5</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>30.9</u>	<u>67.7</u>	<u>65.3</u>
14. UNIT CAPACITY FACTOR (3)	<u>21.3</u>	<u>52.1</u>	<u>50.9</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>9.5</u>	<u>8.2</u>	<u>7.5</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 5/7/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>623</u>	17	<u>-</u>
2	<u>644</u>	18	<u>-</u>
3	<u>639</u>	19	<u>-</u>
4	<u>647</u>	20	<u>-</u>
5	<u>644</u>	21	<u>-</u>
6	<u>641</u>	22	<u>-</u>
7	<u>368</u>	23	<u>-</u>
8	<u>-</u>	24	<u>-</u>
9	<u>-</u>	25	<u>-</u>
10	<u>-</u>	26	<u>-</u>
11	<u>-</u>	27	<u>-</u>
12	<u>-</u>	28	<u>316</u>
13	<u>-</u>	29	<u>486</u>
14	<u>-</u>	30	<u>666</u>
15	<u>-</u>	31	<u>-</u>
16	<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 SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE May 7, 1975

REPORT MONTH April, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
4	750407	F	7.35	G	3	Trip due to transient while aligning demineralizer valves
5	750407	S	473.86	B	-	Extended outage 4 to perform scheduled maintenance on reactor coolant pump seals
6	750427	F	4.63	A	3	Unit tripped while operating switchgear
7	750428	F	9.98	A	1	Shutdown to identify RC leakage
8	750430	F	1.50	A	1	Shutdown to identify RC leakage

(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: