MONTHLY REPORTS (FOR GRAY BOOK PREPARATION)

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

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 xxx SENT LOCAL PDR xxxxx			
CLASS / UNCLASS xxxx / PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269, 270 and 287			

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

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

NUMBER OF COPIES REC'D: 1

PLANT NAME: Oconee 1-2-3

FOR ACTION/INFORMATION 5-15-75 JGB

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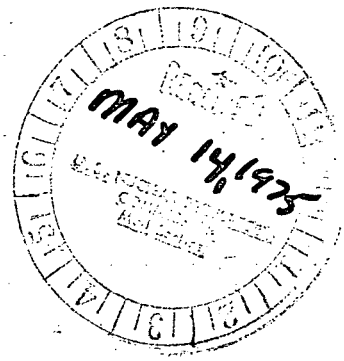
DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

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.

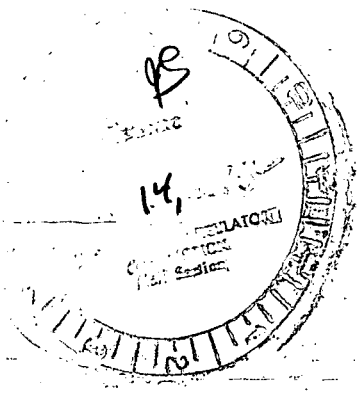
Very truly yours,

A. C. Thies

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 (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	719.1	1297.8	11098.3
6.	REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7.	HOURS GENERATOR ON LINE	703.7	1129.6	9384.0
8.	UNIT RESERVE SHUTDOWN HOURS	-	-	-
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1547088	2313165	20550675
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	545140	809730	7128430
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	517867	747784	6700803
12.	REACTOR AVAILABILITY FACTOR (1)	99.9	45.1	70.7
13.	UNIT AVAILABILITY FACTOR (2)	97.7	39.2	58.8
14.	UNIT CAPACITY FACTOR (3)	82.6	29.8	48.2
15.	UNIT FORCED OUTAGE RATE (4)	2.3	60.7	23.6

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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

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

DOCKET NO. 50-269
UNIT Oconee Unit 1
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	723	17	854
2	692	18	855
3	514	19	857
4	607	20	857
5	536	21	856
6	538	22	552
7	593	23	257
8	517	24	767
9	527	25	790
10	525	26	849
11	714	27	853
12	778	28	852
13	844	29	853
14	851	30	854
15	856	31	
16	856		

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.

DOCKET NO. 50-269
UNIT NAME Oconee Unit 1
DATE May 7, 1975

UNIT SHUTDOWNS

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
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	604.8	1644.1	3590.2
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	592.5	1564.6	3440.0
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1397342	3641072	7947969
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	482170	1252850	2721826
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	459202	1183550	2571076
12.	REACTOR AVAILABILITY FACTOR (1)	84.0	57.1	63.9
13.	UNIT AVAILABILITY FACTOR (2)	82.3	54.4	61.3
14.	UNIT CAPACITY FACTOR (3)	73.2	47.2	52.6
15.	UNIT FORCED OUTAGE RATE (4)	17.7	45.3	38.5

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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

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

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	465	17	853
2	-	18	854
3	-	19	851
4	-	20	849
5	-	21	845
6	-	22	844
7	495	23	835
8	673	24	842
9	838	25	800
10	846	26	635
11	850	27	635
12	851	28	589
13	850	29	700
14	852	30	645
15	852	31	
16	852		

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.

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

UNIT SHUTDOWNS

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 (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	250.0	2019.4	2203.3
6.	REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7.	HOURS GENERATOR ON LINE	222.7	1948.3	2131.1
8.	UNIT RESERVE SHUTDOWN HOURS	-	-	-
9.	GROSS THERMAL ENERGY GENERATED (MWH)	420620	3966999	4411649
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	143890	1374800	1523714
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	133679	1306024	1447160
12.	REACTOR AVAILABILITY FACTOR (1)	34.7	70.1	67.5
13.	UNIT AVAILABILITY FACTOR (2)	30.9	67.7	65.3
14.	UNIT CAPACITY FACTOR (3)	21.3	52.1	50.9
15.	UNIT FORCED OUTAGE RATE (4)	9.5	8.2	7.5

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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

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

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	623	17	–
2	644	18	–
3	639	19	–
4	647	20	–
5	644	21	–
6	641	22	–
7	368	23	–
8	–	24	–
9	–	25	–
10	–	26	–
11	–	27	–
12	–	28	316
13	–	29	486
14	–	30	666
15	–	31	
16	–		

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.

DOCKET NO. 50-287
UNIT NAME Oconee Unit 3
DATE May 7, 1975

UNIT SHUTDOWNS

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: