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DESCRIPTION:

Ltr trans the following...

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DO NOT REMOVE

PLANT NAME:
Oconee 1-2-3

ENCLOSURES:

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

No. of Cys Rec'd 1

11-16-74 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

November 8, 1974

File Cy.
Regulatory

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.

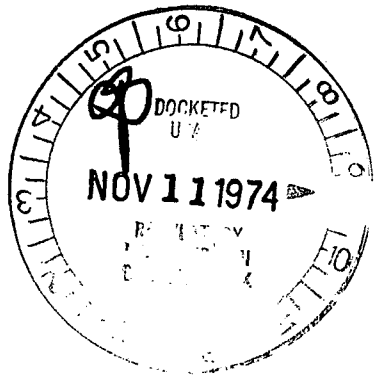
Very truly yours,

A. C. Thies

A. C. Thies

ACT:vr
Attachments

cc: Mr. Norman C. Moseley



11559

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 (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	383.1	5446.6	9800.5
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	340.5	5265.2	8254.3
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	690694	12226629	18237510
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	227472	4230112	6318700
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	209487	4000606	5959684
12.	REACTOR AVAILABILITY FACTOR (1)	51.4	74.7	86.3
13.	UNIT AVAILABILITY FACTOR (2)	49.3	72.5	72.9
14.	UNIT CAPACITY FACTOR (3)	32.3	62.9	60.3
15.	UNIT FORCED OUTAGE RATE (4)	19.8	7.0	7.7

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

(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 NAME Oconee Unit 1.

DATE November 8, 1974

UNIT SHUTDOWNS

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	

(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:

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	816	17	249
2	789	18	462
3	706	19	-0-
4	706	20	-0-
5	375	21	-0-
6	-0-	22	-0-
7	-0-	23	-0-
8	38	24	-0-
9	369	25	-0-
10	561	26	-0-
11	681	27	-0-
12	690	28	-0-
13	702	29	-0-
14	733	30	-0-
15	736	31	-0-
16	276		

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

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 NAME Oconee Unit 2

DATE November 8, 1974

UNIT SHUTDOWNS

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:

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE November 18, 1974

UNIT SHUTDOWNS

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	

(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:

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 (MWth) 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	350.58	489.98	489.98
6.	REACTOR RESERVE SHUTDOWN HOURS	N/A		
7.	HOURS GENERATOR ON LINE	284.35	355.65	355.65
8.	UNIT RESERVE SHUTDOWN HOURS	N/A		
9.	GROSS THERMAL ENERGY GENERATED (MWH)	N/A		
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	76949	76949	76949
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	N/A		
12.	REACTOR AVAILABILITY FACTOR (1)	N/A		
13.	UNIT AVAILABILITY FACTOR (2)	N/A		
14.	UNIT CAPACITY FACTOR (3)	N/A		
15.	UNIT FORCED OUTAGE RATE (4)	N/A		

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		9/5/74
INITIAL ELECTRICAL POWER GENERATION		9/18/74
COMMERCIAL OPERATION	12/1/74	

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

DK 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 12, 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:

My letter of November 8, 1974 transmitted information concerning the performance and operating status of the Oconee Nuclear Station for the month of October, 1974. Since then, two errors have been discovered in the data and have been called to the attention of Mr. S. Chapman of your staff. Please find attached corrected copies of this information.

Very truly yours,

A. C. Thies

A. C. Thies

ACT:vr
Attachments

cc: Mr. N. C. Moseley

Monthly Rpt.
2

CORRECTED COPY

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 (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	383.1	5446.6	9800.5
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	367.1	5291.7	8280.8
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	690694	12226629	18237510
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	227472	4230112	6318700
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	209487	4000606	5959684
12.	REACTOR AVAILABILITY FACTOR (1)	51.4	74.7	86.3
13.	UNIT AVAILABILITY FACTOR (2)	49.3	72.5	72.9
14.	UNIT CAPACITY FACTOR (3)	32.3	62.9	60.3
15.	UNIT FORCED OUTAGE RATE (4)	19.8	7.0	7.7

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: December 1, 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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$

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

CORRECTED COPY

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 (MWth) 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	350.58	489.98	489.98
6.	REACTOR RESERVE SHUTDOWN HOURS	N/A		
7.	HOURS GENERATOR ON LINE	284.35	355.65	355.65
8.	UNIT RESERVE SHUTDOWN HOURS	N/A		
9.	GROSS THERMAL ENERGY GENERATED (MWH)	N/A		
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	70181	76949	76949
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	N/A		
12.	REACTOR AVAILABILITY FACTOR (1)	N/A		
13.	UNIT AVAILABILITY FACTOR (2)	N/A		
14.	UNIT CAPACITY FACTOR (3)	N/A		
15.	UNIT FORCED OUTAGE RATE (4)	N/A		

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		9/5/74
INITIAL ELECTRICAL POWER GENERATION		9/18/74
COMMERCIAL OPERATION	12/1/74	

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