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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

November 8, 1974

Regulatory

File Cy.

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

ACT:vr Attachments

cc: Mr. Norman C. Moseley



DI Contral July

P. O. Box 2178

hur	Oconee	U	n:	Ĺt	1
		_			

DATE ______11/8/74

DOCKET NO._____

OPERATING STATUS

t.	REPORTING PERIOD:	Octoł	per 1, 197	4	THROUGH	October 31, 19	74
	HOURS IN REPORTING PE	RIOD:	745			· ·	
				2560			0.7.1

CURRENTLY AUTHORIZED POWER LEVEL (MW(h) 2568 MAX. DEPENDABLE CAPACITY (MWe/NET) 871
 LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe/NET): None

4 REASONS FOR RESTRICTION (IF ANY):

.	REASONS FOR RESTRICTION (IL ANT).	

	•	THIS REPORTING PLRIOD	YR TO DATE	CUMULATIVE TO DATE
<	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	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		<u> </u>
		INITIAL ELECTRICAL POWER GENERATION		خز.
	••	COMMERCIAL OPERATION		
			•	
(1)	REACTOR AVAILABILITY FACTOR	HOURS REACTOR WAS CRITICAL HOURS IN REPORTING PERIOD		· · ·
(2)	UNIT AVAILABILITY FACTOR	HOURS GENERATOR ON LINE HOURS IN REPORTING PERIOD X 100	•	
à	UNIT CAPACITY FACTOR	NET ELECTRICAL POWER GENERATED		· · ·
(3)	Dati Chi Activi i Actor	MAX. DEPENDABLE CAPACITY (MWe-NET) X	HOURS IN REPOR	FING PERIOD
(4)	UNIT FORCED OUTAGE RATE	FORCED OUTAGE HOURS HOURS GENERATOR ON LINE + FORCED OUT	AGE HOURS	100

UNIT SHUTDOWNS

DOCKET NO. <u>50-269</u> UNIT NAME <u>Oconee Unit 1</u>

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	В	1)
15	741016	F	17.0	A	3	
16	741019	S	287.5	с	1	
						(1) REASON(2) METHODAEQUIPMENT FAILURE (EXPLAIN)1-MANUALB-MAINT. OR TEST.2-MANUALC- REFUELINGSCRAMD-REGULATORY RESTRICTION3-AUTOMATICE-OPERATOR TRAINING ANDSCRAMLICENSE EXAMINATIONF-ADMINISTRATIVEG-OPERATIONAL ERROR(EXPLAIN)H-OTHER (EXPLAIN)
UMMAR	Y:	1	• •	•	· · ·	1
				. •		

p. 1.

DOCKET NO <u>50-269</u> UNIT <u>Oconee 1</u> DATE <u>11/8/74</u>

AVERAGE DAILY UNIT POWER LEVEL

MONTH	UCLOBER, 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	<u></u>
4	706	20	-0-
5	375	21	
6	-0-	22	-0-
.7	-0-	23	-0-
8	38	24	-0-
9	369	25	-0-
10	561	26	-0-
10	. 681	27	-0-
12	690	28	-0-
12	702	 29	-0-
13	733	30	-0-
17	736	31	-0-
16	276		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

107/

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

5

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 PLRIOD		YR TO DATE	CUMULATIVE
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	77	0	0
9.	GROSS THERMAL ENERGY				
	GENERATED (MWH)	403970		1337839	1337839
10.	GROSS ELECTRICAL ENERGY			· ·	
	GENERATED (MWH)	. <u>137340</u>		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		<u>38.3</u>	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):

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	$\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} X 100$	·	
(2)	UNIT AVAILABILITY FACTOR	HOURS GENERATOR ON LINE HOURS IN REPORTING PERIOD	•	
(3)	UNIT CAPACITY FACTOR	NET ELECTRICAL POWER GENERATED		
(4)	NIT FORCED OUTAGE RATE	FORCED OUTAGE HOURS HOURS GENERATOR ON LINE + FORCED OU	TAGE HOURS	100

^{17.} IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

UNIT SHUTDOWNS

DOCKET NO. <u>50-270</u> UNIT NAME <u>Oconee Unit 2</u> DATE <u>November 8, 1974</u>

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	В	3	3
2	740917	F	15.8	В	3	
3	740923	F	3.5	А	3	
4.	740927	F	3.5	A	3	
5	740928	F	49.2	А	1 ·	
						(1) REASON(2) METHODA-EQUIPMENT FAILURE (EXPLAIN)1-MANUALB-MAINT. OR TEST.2-MANUALC-REFUELINGSCRAMD-REGULATORY RESTRICTION3-AUTOMATICE-OPERATOR TRAINING ANDSCRAMLICENSE EXAMINATIONF-ADMINISTRATIVEG-OPERATIONAL ERROR(EXPLAIN)H-OTHER (EXPLAIN)4

SUMMARY:

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1.1

UNIT SHUTDOWNS

DOCKET NO. 50-270 UNIT NAME Oconee Unit 2 DATE November 8, 1974

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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	Α	1			
•								
						(1) REASON (2) METHOD		
-						B-MAINT. OR TEST. 1-MANUAL B-MAINT. OR TEST. 2-MANUAL C-REFUELING SCRAM D-REGULATORY RESTRICTION 3-AUTOMATIC E-OPERATOR TRAINING AND SCRAM LICENSE EXAMINATION F-ADMINISTRATIVE		
						G-OPERATIONAL ERROR (EXPLAIN) H-OTHER (EXPLAIN)		
MMAF	R Y :							

1.1.

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

AVERAGE DAILY UNIT POWER LEVEL

MON	H		· · · ·
DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	A DAY	VERAGE DAILY POWER LEVEL (MWe-net)
1	-0-	17	
2	-0-	18	-0-
· 2	-0-	19	~ − 0−
J	-0-	20	-0-
4 E	-0-	·21	-0-
5	-0-	20	-0-
0	-0-	22	-0-
1	-0-	23	312
8	-0-	24	646
9		25	553
10		26	
11	-0-	27	630
12	· · · · · · · · · · · · · · · · · · ·	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

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 PIRIOD		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)	<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)	N/A		·	

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

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

			DATE LAST FORECAST	DATE ACHIEVED
		INITIAL CRITICALITY	<u> </u>	9/5/74
		INITIAL ELECTRICAL POWER GENERATION	· · · · · ·	9/18/74
		COMMERCIAL OPERATION	12/1/74	
(1) (2)	REACTOR AVAILABILITY FACTOR	HOURS REACTOR WAS CRITICAL HOURS IN REPORTING PERIOD HOURS GENERATOR ON LINE HOURS IN REPORTING PERIOD X 100		
(3)	UNIT CAPACITY FACTOR	NET ELFCTRICAL POWER GENERATED MAX. DEPENDABLE CAPACITY (MWe-NET) X	HOURS IN REPOR	TING PERIOD
(4)	UNIT FORCED OUTAGE RATE	FORCED OUTAGE HOURS HOURS GENERA FOR ON LINE + FORCED OUT.	AGE HOURS X	100

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