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	T	D: •		FROM: DUKE POWER	COM	IPANY	04	TE OF DOCUMENT 6/10/76	
	de la	N. R. C.	:			TH CAROLINA PARKER, JR.	DA	6/14/76	······································
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# DUKE POWER COMPANY

Regulatory



373-4083

Power Building 422 South Church Street, Charlotte, N. C. 28242

June 10, 1976 WILLIAM O. PARKER, JR. VICE PRESIDENT TELEPHONE: AREA 704 STEAM PRODUCTION W N 1 4 1976 > Mail Section Docket Clerk Director NUCLEAR REGULATORY u.S. 1 HISSION Office of Management Information Codice Link! and Program Control 117: U. S. Nuclear Regulatory Commission Washington, D. C. 20555

RE: Oconee Nuclear Station Docket Nos. 50-269, -270, -287

Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of June 1976.

Very truly yours, Alue. D. 10 William O. Parker, Jr.

EDB:ge Attachment

cc: Mr. Norman C. Moseley



			TI	Oconee	Unit 1
		•	DATE	6/10/76	•
			KET NO.	50-269	
OPE	RATING STATUS	r REI	ARED DI	E. D. B.	Lakeman
_		· · · · · · · · · · · · · · · · · · ·			•
L.	REPORTING PERIOD: May 1			976	<u> </u>
	GROSS HOURS IN REPORTING PERIOD:	· · · · · · · · · · · · · · · · · · ·		·	
2.	CURRENTLY AUTHORIZED POWER LEVEL	(MWt):2 <u>568</u> N	ET CAPAB	ILITY	
	(MWe-Net): 871				
3.	POWER LEVEL TO WHICH RESTRICTED (	IF ANY):(MWe-	Net) <u>N</u>	one	
֥	REASONS FOR RESTRICTION (IF ANY)			· · · · · · · · · · · · · · · · · · ·	
5.	NUMBER OF HOURS THE REACTOR WAS	This Month			
	CRITICAL	.19.7	1342.9		<u>18115.0</u>
5.	REACTOR RESERVE SHUTDOWN HOURS	<u> </u>			-
7.	HOURS GENERATOR ON-LINE	5.6	1135.6	<u> </u>	16066.4
8.	UNIT RESERVE SHUTDOWN HOURS	·	-		<u> </u>
9.	GROSS THERMAL ENERGY GENERATED (MW	H) <u>3534</u>	261662	9	<u>36840771</u>
0.	GROSS ELECTRICAL ENERGY GENERATED				
	(MWH)	1140	906250		12800970
L.	NET ELECTRICAL ENERGY GENERATED (MWH)	-4691	842114		12080763
2.	REACTOR SERVICE FACTOR	2.6	36.8		
	•	.8			71.8
<b>}</b>	REACTOR AVAILABILITY FACTOR		33.4	· · ·	64.9
•	UNIT SERVICE FACTOR	.8	31.1		63.7
-	UNIT AVAILABILITY FACTOR	.8	31.1		63.8
<b>j</b> .	UNIT CAPACITY FACTOR (Using Net Capability)	<b></b>	26.5		55.0
7. • _	UNIT CAPACITY FACTOR	. ,	26.0		54 0 *
	(Using Design Mwe)		26.0	· · · · · · · · · · · · · · · · · · ·	54.0
•	UNIT FORCED OUTAGE RATE	26.7	6.9		16.1
•	SHUTDOWNS SCHEDULED OVER NEXT 6 M	ONTHS (TYPE,	DATE & D	URATION (	)F EACH:)
	· · · · · · · · · · · · · · · · · · ·				
).	IF SHUTDOWN AT END OF REPORT PERI	OD, ESTIMATED	DATE OF	STARTUP	
			·	à	
	<b>REACTOR</b> SERVICE FACTOR = $\frac{HOI}{HOI}$	URS REACTOR WAS	PERIOD	X 100	
			· .		
. •	REACTOR AVAILABILITY FACTOR	HOURS IN REPO	RTING PER	10D	X 100
	UNIT SERVICE FACTOR = HOU	URS GENERATOR ON	LINE	100	· · ·
	HOL	URS IN REPORTING	PERIOD X	1.00	
•	UNIT AVAILABILITY FACTOR = 1	HOURS UNIT WAS A	VALIABLE	TO GENERAT	<u>E</u> x 100
	i de la Transformación de l Esta de la Transformación de	HOURS IN REPORTI	NG PERIOD		· · · · · · · · · · · · · · · · · · ·
		F ELECTRICAL POW			V BAILUE IN DE
		et Capability or ERIOD	neargn (	mwe-Net)]	A HOURS IN RE
	• • • •				

DOCKET NO. 50-269 UNIT Oconee Unit 1 DATE <u>6/10/76</u>

## AVERAGE DAILY UNIT POWER LEVEL

MON	rhMa	ıy, 1976			
DAY	AVER	AGE DAILY POWER I (MWe-net)	LEVEL	AVE DAY	RAGE DAILY POWER LEVEL (MWe-net)
1				17	
2		-	• <b>••</b> •••••••••••••••••••••••••••••••••	18	-
3				19	
4				20	
5	•		· .	21	
6		-	· ·	22	
7			_	23	
. 8	•	-	`	24	-
. 9			_	25	
10	• .	•·····		26	
11 -	•		<u> </u>	27	
12		<b></b>		28	
13	•			29	<u> </u>
14	•		_	30	
15		_		31	12
16	• *			· · · · · · · · · · · · · · · · · · ·	
		· · · · · ·			and the second

## 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. <u>50-269</u> UNIT NAME <u>Oconee Unit 1</u> DATE <u>6/10/76</u>

REPORT MONTH May, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
3	760501	S	736.47	A	1	Continuation of previous outage
4	760531	F	1.97	Н	3	Reactor trip due to high Reactor Coolant System pressure
						(1) REASON (2) METHOD A-EQUIPMENT FAILURE (EXPLAIN) 1-MANUAL
						B-MAINT. OR TEST. C-REFUELING D-REGULATORY RESTRICTION E-OPERATOR TRAINING AND LICENSE EXAMINATION F-ADMINISTRATIVE G-OPERATIONAL ERROR (EXPLAIN) H-OTHER (EXPLAIN)

SUMMARY:

Inspection and repair of reactor internals completed.

OPE	RATING STATUS		Oconee     Oconee     6/10/76     KET NO.   50-270     ARED BY   E. D. 1	5
1.	REPORTING PERIOD: May 1	_ THROUGH	May 31, 1976	•
· .	GROSS HOURS IN REPORTING PERIOD:			· · · · · · · · · · · · · · · · · · ·
2.	CURRENTLY AUTHORIZED POWER LEVEL	(MWt): 2568 N	ET CAPABILITY	-
	(MWe-Net): 871			
3.	POWER LEVEL TO WHICH RESTRICTED (1	IF ANY):(MWe-	Net) None	· · · !
4.	REASONS FOR RESTRICTION (IF ANY)			
5.	NUMBER OF HOURS THE REACTOR WAS	This Month	<u>Year to Date</u>	<u>Cumulative</u>
	CRITICAL	-	2112.4	10671.4
6.	REACTOR RESERVE SHUTDOWN HOURS		-	••••
7.	HOURS GENERATOR ON-LINE	-	2076.5	10356.0
8.	UNIT RESERVE SHUTDOWN HOURS	-		
9.	GROSS THERMAL ENERGY GENERATED (MW	H) <u>-</u>	4922491	24594919
LO.	GROSS ELECTRICAL ENERGY GENERATED (MWH)		1678100	8378656
L1.	NET ELECTRICAL ENERGY GENERATED (MWH)	-1343	1596981	7952132
L <b>2.</b>	REACTOR SERVICE FACTOR		57.9	70.5
13.	REACTOR AVAILABILITY FACTOR	-	57.2	68.9
4.	UNIT SERVICE FACTOR		56.9	68.4
L <b>5.</b> ·	UNIT AVAILABILITY FACTOR		56.9	68.4
L6.	UNIT CAPACITY FACTOR (Using Net		50.3	60.3
	Capability) UNIT CAPACITY FACTOR (Using Design Mwe)	)	49.4	59.2
L8.	UNIT FORCED OUTAGE RATE	100.00	36.4	27.6
9.	SHUTDOWNS SCHEDULED OVER NEXT 6 MC	ONTHS (TYPE,	DATE & DURATION	OF EACH:)
20.	IF SHUTDOWN AT END OF REPORT PERIC June 28, 1976	DD, ESTIMATED	DATE OF STARTU	·:
	•	RS IN REPORTING	; PERIOD	
• . • •	REACTOR AVAILABILITY FACTOR	= HOURS REACTOR HOURS IN REPO	WAS AVAILABLE TO DRTING PERIOD	OPERATE X 100
	UNIT SERVICE FACTOR = HOU HOU	IFS GENERATOR ON IRS IN REPORTING	LINE X 100	
	UNIT AVAILABILITY FACTOR = $\frac{11}{H}$	OURS UNIT WAS A OURS IN REPORTI	VALLABLE TO GENERA	<u>TE</u> x 100
	[Net	ELECTRICAL POW C Capability or RIOD		X HOURS IN REPORT
	INTE DODOTO OUTLOS DATE - TO	DODD OUTBACE NOT	URS ON LINE + FORCED OU	TAGE HOURS X. 100

DOCKET NO <u>50-270</u> UNIT <u>Oconee Unit 2</u>

DATE 6/10/76

## AVERAGE DAILY UNIT POWER LEVEL

DAY		AGE DAILY PO (MWe-net)		DAY	AVE	RAGE DAILY POWER LEVEL (MWe-net)
DAI	1	(MINC-Net)		DAI	• •	(
1	· ·			17	- 15 - 15	-
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12				28	·	- <u> </u>
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14	•		<del></del>	30		
15				31	ی: ایر ۱۰ میلیسی ۱۰ میلی ۱۰ میلیسی	
16	• •	-		:		

#### MONTH May, 1976

## **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. <u>50-270</u> UNIT NAME <u>Oconee Unit 2</u> DATE <u>6/10/76</u>

REPORT MONTH May, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
5	760501	F	360.0	А	1	Continuation of previous outage
6	760515	S	384.0	C	1	Refueling outage
						(1) REASON (2) METHOD   AEQUIPMENT FAILURE (EXPLAIN) 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   C (WED ATTION LUDIOD
						G-OPERATIONAL ERROR (EXPLAIN) H-OTHER (EXPLAIN)
		21				

SUMMARY:

Inspection and repair of reactor internals completed. Reactor remained shutdown for refueling.

ATING STATUS		SKET NO.   50-287     PARED BY   E. D. H	
REPORTING PERIOD: May 1			
GROSS HOURS IN REPORTING PERIOD:			· 
CURRENTLY AUTHORIZED POWER LEVEL (N (MWe-Net):	Wt): <u>2568</u> N	IET CAPABILITY	
OWER LEVEL TO WHICH RESTRICTED (IF	F ANY):(MWe-	Net) <u>None</u>	·
REASONS FOR RESTRICTION (IF ANY)			·
NUMBER OF HOURS THE REACTOR WAS		· · · · · · · · · · · · · · · · · · ·	<u>Cumulative</u>
		<u>2131.2</u>	9901.5
	744_0		0672 2
	-		9673.3
	1903700	6411429	<u>-</u> 22329479
GROSS ELECTRICAL ENERGY GENERATED (MWH) (MWH)	659420		7652554
NET ELECTRICAL ENERGY GENERATED (MWH)	·······		7284913
REACTOR SERVICE FACTOR	100.0	75.6	77.4
REACTOR AVAILABILITY FACTOR	100.0	74.9	79.4
JNIT SERVICE FACTOR	100.0	74.7	75.6
NIT AVAILABILITY FACTOR	100.0	74.7	75.6
NIT CAPACITY FACTOR (Using Net apability)	97.6	66.3	65.4
NIT CAPACITY FACTOR Using Design Mwe)	95.8	65.1	64.2
NIT FORCED OUTAGE RATE	-	25.3	15.8
· · ·	THS (TYPE )		
	(MWe-Net):	(Mwe-Net):871POWER LEVEL TO WHICH RESTRICTED (IF ANY):(Mwe-Net):REASONS FOR RESTRICTION (IF ANY)This MonthRUMBER OF HOURS THE REACTOR WASThis MonthRUTICAL744.0REACTOR RESERVE SHUTDOWN HOURS-ROURS GENERATOR ON-LINE744.0ROURS GENERATOR ON-LINE744.0ROURS GENERATOR ON-LINE744.0ROURS GENERATOR ON-LINE744.0ROURS GENERATOR ON-LINE-ROSS THERMAL ENERGY GENERATED (MWH)1903700ROSS ELECTRICAL ENERGY GENERATED659420MWH)632295EACTOR SERVICE FACTOR100.0NIT SERVICE FACTOR100.0NIT SERVICE FACTOR100.0NIT AVAILABILITY FACTOR100.0NIT CAPACITY FACTOR97.6apability)95.8NIT FORCED OUTAGE RATE-HUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, September 1, 1976 - Refueling (5 weeks)	MWe-Net): 871   POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) None   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS FOR RESTRICTION (IF ANY) This Month Year to Date   REASONS SELECTRICAL SHUTDOWN HOURS - -   SROSS THERMAL ENERGY GENERATED (MWH) 1903700 6411429   BROSS ELECTRICAL ENERGY GENERATED 659420 2207640   MWH) 632295 2106479   EACTOR SERVICE FACTOR 100.0 74.9   INIT SERVICE FACTOR 100.0 74.7   NIT CAPACITY FACTOR 100.0 74.7   NIT CAPACITY FACTOR (Using Net 97.6 66.3   apability 95.8 65.1

UNIT FORCED OUTACE RATE = FORCED OUTAGE HOURS HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS X 100

. .

DOCKET NO. <u>50/287</u> UNIT <u>Oconee Unit 3</u> DATE <u>6/10/76</u>

MONT	ГН	May, 1976								
DAY	AVEI	RAGE DAILY POWER (MWe-net)	LEVEL	A DAY	VERA	AGE DAILY PO (MWe-net)	WER LE	VEL		
1		817		17		856		: `		
2		828		18	🗕	852				
3		828		19		856		-		
A	 	827		20		860				
5		831		21		857		- - -		
6		843	· · · · ·	22		860				
. 7	•	858		23		857				
8	•	861		24	_	858				
9		862		25		852	· · · · · · · · · · · · · · · · · · ·			
10		854	· · · · ·	26	_	849		•		
11	•	862		27		847		-		
12		862		28		843				
13	•	862	· · · ·	29		844		4 4 5		
13	•	858		30		846		·.		
15	•	856		31		846				
16	• :	854						· · ·		
10						4				

## AVERAGE DAILY UNIT POWER LEVEL

# 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 6/10/76

REPORT MONTH May, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
	· .	· .	,			
					:	•
	N. 1997					
	$\{ (a_{k}) \} \in \mathbb{R}^{n}$					
						•
						(1) REASON (2) METHOD
		et y				AEQUIPMENT FAILURE (EXPLAIN) 1-MANUAL B-MAINT. OR TEST. 2-MANUAL
						C-REFUELING SCRAM
						D-REGULATORY RESTRICTION 3-AUTOMAT
						E-OPERATOR TRAINING AND SCRAM LICENSE EXAMINATION
						F-ADMINISTRATIVE
						G-OPERATIONAL ERROR
						(EXPLAIN) H-OTHER (EXPLAIN)
		$(1, 1, 2, \dots, 2^{n-1}) \in \mathbb{R}^{n-1}$				
				and the second second		
MMA	RY	· · · ·				
out	ages thi	ls month.		. · · · ·	· ·	
	· · · ·			1		