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FILE: MONTHLY REPORT FILE

FROM: Duke Power Company Charlotte, N.C. 28201 A.C. Thies			DATE OF DOC 6-10-75	DATE REC'D 6-14-75	LTR XX	TWX	RPT	OTHER
TO: NRC			ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>XX</u>		SENT LOCAL PDR <u>XXX</u>
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: <u>50-269/270/287</u>		

DESCRIPTION:
Ltr trans the following:

PLANT NAME: Oconee Plant Units 1-2-3

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

NUMBER OF COPIES REC'D: 1

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FOR ACTION/INFORMATION

DHL 6-16-75

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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

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Regulatory Docket File

June 10, 1975

Director
Office of Management Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

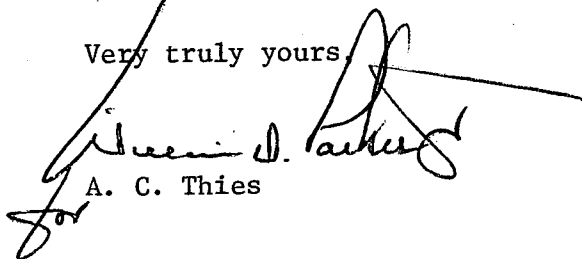


RE: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

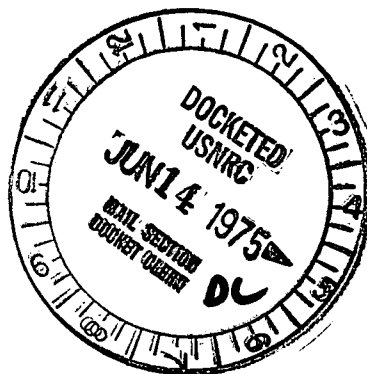
Dear Sir:

Please find attached information concerning the performance and operating status of the Oconee Nuclear Station for the month of May, 1975. The operating status form has been revised to be compatible with the changes instituted in your May, 1975 NUREG -75/020-5 report. Due to the extremely short time interval between issuance of your report and the due date for the May, 1975 data, the cumulative reactor availability factor and the cumulative unit availability factor have not been included. This data will be included in future monthly reports.

Very truly yours,


A. C. Thies

ACT/be



Regulatory Docket File

Oconee #1

DATE 6/6/75

DOCKET NO. 50-269

PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: May 1, 1975 THROUGH May 31, 1975 ~~6-10-75~~

GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2568 NET CAPABILITY
(MWe-Net): 871

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) none

4. REASONS FOR RESTRICTION (IF ANY) _____

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	731.1	2028.8	11829.4
6. REACTOR RESERVE SHUTDOWN HOURS	-0-	-0-	-0-
7. HOURS GENERATOR ON-LINE	713.6	1843.2	1097.6
8. UNIT RESERVE SHUTDOWN HOURS	-0-	-0-	-0-
9. GROSS THERMAL ENERGY GENERATED (MWH)	1751058	4064223	22301733
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	625190	1434920	7753620
11. NET ELECTRICAL ENERGY GENERATED (MWH)	596417	1344201	7297220
12. REACTOR SERVICE FACTOR	98.3	56.0	72.0
13. REACTOR AVAILABILITY FACTOR	98.3		
14. UNIT SERVICE FACTOR	95.9	50.9	61.4
15. UNIT AVILABILITY FACTOR	95.9		
16. UNIT CAPACITY FACTOR (Using Net Capability)	92.0	42.6	51.0
17. UNIT CAPACITY FACTOR (Using Design Mwe)	90.4	41.8	50.0
18. UNIT FORCED OUTAGE RATE	-0-	48.6	22.3
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)			

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

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

DOCKET NO. 50-269
UNIT Oconee #1
DATE 6/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH May, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>848</u>	17	<u>599</u>
2	<u>846</u>	18	<u>--</u>
3	<u>842</u>	19	<u>587</u>
4	<u>848</u>	20	<u>773</u>
5	<u>852</u>	21	<u>820</u>
6	<u>850</u>	22	<u>858</u>
7	<u>849</u>	23	<u>855</u>
8	<u>849</u>	24	<u>845</u>
9	<u>848</u>	25	<u>843</u>
10	<u>848</u>	26	<u>840</u>
11	<u>849</u>	27	<u>857</u>
12	<u>849</u>	28	<u>857</u>
13	<u>842</u>	29	<u>861</u>
14	<u>845</u>	30	<u>869</u>
15	<u>845</u>	31	<u>863</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 Oconee #2
 DATE 6/6/75
 DOCKET NO. 50-270
 PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: May 1, 1975 THROUGH May 31, 1975
 GROSS HOURS IN REPORTING PERIOD: 744.00
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 2568 NET CAPABILITY
 (MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) None
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL
6. REACTOR RESERVE SHUTDOWN HOURS
7. HOURS GENERATOR ON-LINE
8. UNIT RESERVE SHUTDOWN HOURS
9. GROSS THERMAL ENERGY GENERATED (MWH)
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)
11. NET ELECTRICAL ENERGY GENERATED (MWH)
12. REACTOR SERVICE FACTOR
13. REACTOR AVAILABILITY FACTOR
14. UNIT SERVICE FACTOR
15. UNIT AVILABILITY FACTOR
16. UNIT CAPACITY FACTOR (Using Net Capability)
17. UNIT CAPACITY FACTOR (Using Design Mwe)
18. UNIT FORCED OUTAGE RATE
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>743.4</u>	<u>2387.5</u>	<u>4333.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
7. HOURS GENERATOR ON-LINE	<u>724.8</u>	<u>2289.4</u>	<u>4164.9</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1674256</u>	<u>5315328</u>	<u>9622225</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>568740</u>	<u>1821590</u>	<u>3290566</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>542084</u>	<u>1725634</u>	<u>3113160</u>
12. REACTOR SERVICE FACTOR	<u>99.9</u>	<u>65.9</u>	<u>68.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>		
14. UNIT SERVICE FACTOR	<u>97.4</u>	<u>63.2</u>	<u>65.5</u>
15. UNIT AVILABILITY FACTOR	<u>99.5</u>		
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>83.7</u>	<u>54.7</u>	<u>56.2</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>82.1</u>	<u>53.7</u>	<u>55.2</u>
18. UNIT FORCED OUTAGE RATE	<u>0.6</u>	<u>36.2</u>	<u>34.1</u>

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

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

UNIT SHUTDOWNS

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE May 10, 1975

REPORT MONTH May, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
8	750501	F	4.0	H	3	Loss of condenser vacuum
9	750502	S	15.2	B	1	Isothermal Reactor Coolant System temperature measurements

(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 operated with 3 reactor coolant pumps until May 11, 1975

DOCKET NO. 50-270
 UNIT Oconee #2
 DATE 6/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH May, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	383	17	821
2	585	18	830
3	66	19	829
4	558	20	828
5	578	21	829
6	579	22	832
7	614	23	832
8	582	24	832
9	564	25	805
10	775	26	826
11	817	27	820
12	822	28	814
13	828	29	818
14	833	30	823
15	837	31	823
16	839		

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.

U Oconee #3
 DATE 6/6/75
 DOCKET NO. 0-287
 PREPARED BY M. S. Tuckman

OPERATING STATUS

1. REPORTING PERIOD: May 1, 1975 THROUGH May 31, 1975
 GROSS HOURS IN REPORTING PERIOD: 744.00
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2568 NET CAPABILITY
 (MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) none
4. REASONS FOR RESTRICTION (IF ANY)
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL
6. REACTOR RESERVE SHUTDOWN HOURS
7. HOURS GENERATOR ON-LINE
8. UNIT RESERVE SHUTDOWN HOURS
9. GROSS THERMAL ENERGY GENERATED (MWH) 924863
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) 314400
11. NET ELECTRICAL ENERGY GENERATED (MWH) 297159
12. REACTOR SERVICE FACTOR 55.0
13. REACTOR AVAILABILITY FACTOR 55.0
14. UNIT SERVICE FACTOR 53.2
15. UNIT AVILABILITY FACTOR 53.1
16. UNIT CAPACITY FACTOR (Using Net Capability) 45.9
17. UNIT CAPACITY FACTOR (Using Design Mwe) 45.0
18. UNIT FORCED OUTAGE RATE 46.8
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

$$\text{REACTOR SERVICE FACTOR} = \frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{REACTOR AVAILABILITY FACTOR} = \frac{\text{HOURS REACTOR WAS AVAILABLE TO OPERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT SERVICE FACTOR} = \frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT AVAILABILITY FACTOR} = \frac{\text{HOURS UNIT WAS AVAILABLE TO GENERATE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$$

$$\text{UNIT CAPACITY FACTOR} = \frac{\text{NET ELECTRICAL POWER GENERATED}}{[\text{Net Capability or Design (Mwe-Net)}] \times \text{HOURS IN REPORTING PERIOD}} \times 100$$

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

UNIT SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE May 10, 1975

REPORT MONTH May, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
9	750501	F	341.6	B	1	Reactor Coolant Pump seal replacement
10	750525	F	6.8	A	3	Unit trip due to turbine bypass valve circuitry.

(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 resumed base load operation following repairs to reactor coolant pump seals on May 15, 1975.

DOCKET NO. 50-287

UNIT Oconee #3

DATE 6/9/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH May, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	---	17	649
2	---	18	809
3	---	19	843
4	---	20	833
5	---	21	842
6	---	22	824
7	---	23	826
8	---	24	824
9	---	25	531
10	---	26	572
11	---	27	744
12	---	28	826
13	---	29	832
14	---	30	838
15	316	31	839
16	544		

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.

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