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FILE: MONTHLY REPORT FILE

FROM: Duke Power co. Charlotte, N.C. William O. Parker, Jr.		DATE OF DOC 1-6-76	DATE REC'D 1-12-76	LTR XXX	TWX	RPT	OTHER
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CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269/270(287)		

DESCRIPTION:
Ltr trans the following:

PLANT NAME: Oconee 1,2 & 3

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

NUMBER OF COPIES REC'D: 1

FOR ACTION/INFORMATION

SAB 1-12-76

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DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

Regulatory

File Cy.

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

January 8, 1976

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 December 1975.

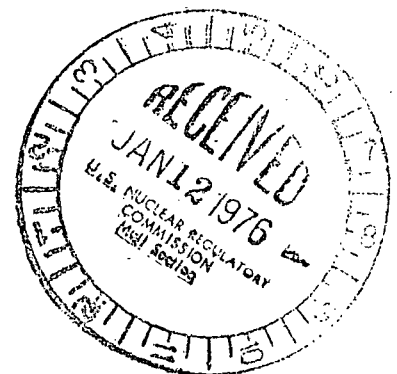
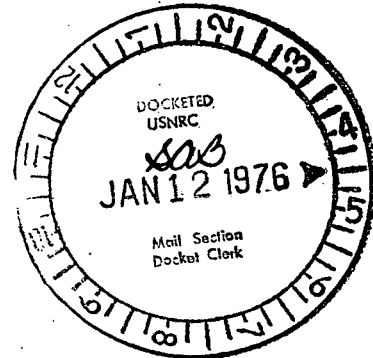
Very truly yours,

W. O. Parker, Jr.
William O. Parker, Jr.

EDB:mmb

Attachment

CC Mr. Norman C. Moseley



OPERATING STATUS

1. REPORTING PERIOD: December 1 THROUGH December 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)
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 AVAILABILITY 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:)
 Refueling, February 1, 1976 5 Weeks
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. 50-269

UNIT NAME Oconee Unit 1

DATE January 8, 1976

REPORT MONTH December 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
17	751205	S	29.45	B	1	Changed oil in reactor coolant pumps. Added oil to 1B2 reactor coolant pump motor.
18	751210	F	29.53	A	1	Replaced failed control rod drive stator.

- | | |
|--|-------------|
| (1) REASON | (2) METHOD |
| A--EQUIPMENT FAILURE (EXPLAIN) | 1-MANUAL |
| B-MAINT. OR TEST. | 2-MANUAL |
| C-REFUELING | SCRAM |
| D-REGULATORY RESTRICTION | 3-AUTOMATIC |
| E-OPERATOR TRAINING AND
LICENSE EXAMINATION | SCRAM |
| F-ADMINISTRATIVE | |
| G-OPERATIONAL ERROR
(EXPLAIN) | |
| H-OTHER (EXPLAIN) | |

SUMMARY:

No major outages during December.

DOCKET NO. 50-269

UNIT Oconee Unit 1

DATE January 8, 1976

AVERAGE DAILY UNIT POWER LEVEL

MONTH December 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>652</u>	17	<u>859</u>
2	<u>651</u>	18	<u>859</u>
3	<u>651</u>	19	<u>819</u>
4	<u>649</u>	20	<u>858</u>
5	<u>573</u>	21	<u>859</u>
6	<u>-0-</u>	22	<u>853</u>
7	<u>333</u>	23	<u>846</u>
8	<u>777</u>	24	<u>846</u>
9	<u>857</u>	25	<u>840</u>
10	<u>561</u>	26	<u>842</u>
11	<u>-0-</u>	27	<u>847</u>
12	<u>536</u>	28	<u>848</u>
13	<u>688</u>	29	<u>845</u>
14	<u>842</u>	30	<u>840</u>
15	<u>859</u>	31	<u>840</u>
16	<u>858</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.

OPERATING STATUS

1. REPORTING PERIOD: December 1 THROUGH December 31, 1976
 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)
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 AVAILABILITY 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:)
Refueling, May 3, 1976 5 Weeks
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

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

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

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

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-270

UNIT NAME Oconee Unit 2

DATE January 8, 1975

REPORT MONTH December 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
<p>(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)</p> <p>(2) METHOD 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM</p>						

SUMMARY:

No outages this month.

DOCKET NO. 50-270UNIT Oconee Unit 2DATE January 8, 1976

AVERAGE DAILY UNIT POWER LEVEL

MONTH December 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>846</u>	17	<u>837</u>
2	<u>846</u>	18	<u>822</u>
3	<u>845</u>	19	<u>757</u>
4	<u>842</u>	20	<u>835</u>
5	<u>840</u>	21	<u>840</u>
6	<u>844</u>	22	<u>838</u>
7	<u>846</u>	23	<u>836</u>
8	<u>844</u>	24	<u>838</u>
9	<u>842</u>	25	<u>838</u>
10	<u>834</u>	26	<u>836</u>
11	<u>841</u>	27	<u>837</u>
12	<u>836</u>	28	<u>835</u>
13	<u>840</u>	29	<u>835</u>
14	<u>834</u>	30	<u>843</u>
15	<u>836</u>	31	<u>845</u>
16	<u>838</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.

OPERATING STATUS

1. REPORTING PERIOD: December 1 THROUGH December 31, 1975
 GROSS HOURS IN REPORTING PERIOD: 744.0
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2568 NET CAPABILITY
 (MWe-Net): 871
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): (MWe-Net) _____
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 AVAILABILITY 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>731.6</u>	<u>6960.4</u>	<u>7144.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
7. HOURS GENERATOR ON-LINE	<u>727.2</u>	<u>6766.0</u>	<u>6948.7</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1810771</u>	<u>15473400</u>	<u>15918050</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>623240</u>	<u>5296000</u>	<u>5444914</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>596381</u>	<u>5037298</u>	<u>5178434</u>
12. REACTOR SERVICE FACTOR	<u>98.3</u>	<u>79.5</u>	<u>78.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>97.7</u>	<u>82.6</u>	<u>81.2</u>
14. UNIT SERVICE FACTOR	<u>97.7</u>	<u>77.2</u>	<u>76.0</u>
15. UNIT AVAILABILITY FACTOR	<u>97.7</u>	<u>77.2</u>	<u>76.0</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>92.0</u>	<u>66.0</u>	<u>65.0</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>90.4</u>	<u>64.8</u>	<u>63.9</u>
18. UNIT FORCED OUTAGE RATE	<u>-0-</u>	<u>11.6</u>	<u>11.3</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. 50-287

UNIT NAME Oconee Unit 3

DATE January 8, 1976

REPORT MONTH December 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
22	751219	S	16.83	B	1	Repaired feedwater valve leaks in Reactor Building. (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:

No major outages during December.

DOCKET NO. 50-287

UNIT Oconee Unit 3

DATE January 8, 1976

AVERAGE DAILY UNIT POWER LEVEL

MONTH December 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>845</u>
2	<u>840</u>
3	<u>839</u>
4	<u>839</u>
5	<u>839</u>
6	<u>840</u>
7	<u>839</u>
8	<u>841</u>
9	<u>840</u>
10	<u>838</u>
11	<u>837</u>
12	<u>837</u>
13	<u>840</u>
14	<u>842</u>
15	<u>840</u>
16	<u>840</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	<u>841</u>
18	<u>842</u>
19	<u>752</u>
20	<u>106</u>
21	<u>678</u>
22	<u>799</u>
23	<u>847</u>
24	<u>845</u>
25	<u>845</u>
26	<u>843</u>
27	<u>843</u>
28	<u>839</u>
29	<u>843</u>
30	<u>840</u>
31	<u>652</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.