U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER
50-269-270-287

NRC DISTRIBUTION for PART 50 DOCKET MATERIAL

FILE NUMBER
MONTHLY REPORT

TO: U.S. NRC	FROM: Duke Power CO. Charlotte, N.C. W. O. Parker Jr.	**DATE OF DOCUMENT** 7-9-76
		DATE RECEIVED 7-16-76

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DESCRIPTION
LETTER TRANS THE FOLLOWING:

ENCLOSURE
MONTHLY REPORT FOR ___, June 1976
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Oconee#1,2 & 3

SAFETY		FOR ACTION/INFORMATION		ENVIRO CRG 7-16-76
X MIPC W/4 CYS FOR ACTION				

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DUKE POWER COMPANY
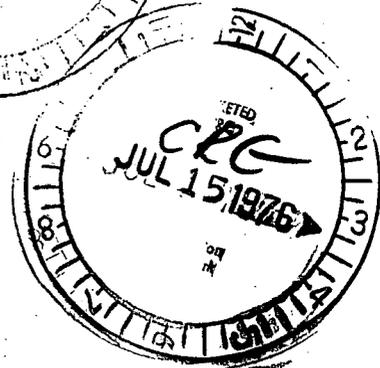
POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083
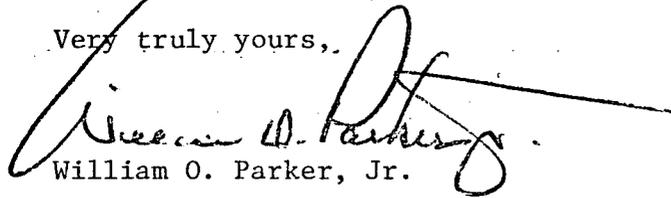
July 9, 1976

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, 50-270, 50-287

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,

William O. Parker, Jr.

EDB:vr
Attachment

cc: Mr. Norman C. Moseley

7153

OPERATING STATUS

1. REPORTING PERIOD: _____June 1_____ THROUGH _____June 30, 1976_____

    GROSS HOURS IN REPORTING PERIOD: _____720.00_____

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) _____

	This Month	Year to Date	Cumulative
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	716.1	2059.0	18831.1
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	698.3	1833.9	16764.7
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
9. GROSS THERMAL ENERGY GENERATED(MWH)	1680737	4297366	38521508
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	598510	1504760	13399480
11. NET ELECTRICAL ENERGY GENERATED (MWH)	570643	1412757	12651406
12. REACTOR SERVICE FACTOR	99.5	47.2	72.6
13. REACTOR AVAILABILITY FACTOR	97.9	44.0	65.9
14. UNIT SERVICE FACTOR	97.0	42.0	64.6
15. UNIT AVAILABILITY FACTOR	97.0	42.0	64.7
16. UNIT CAPACITY FACTOR (Using Net Capability)	91.0	37.1	56.0
17. UNIT CAPACITY FACTOR (Using Design Mwe)	89.4	36.5	55.0
18. UNIT FORCED OUTAGE RATE	3.0	5.5	15.6

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)

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

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

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

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

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

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

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

UNIT SHUTDOWNS

REPORT MONTH _____ June, 1976 _____

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
5	760608	F	11.00	H	1	Group 5 control rods dropped during testing
6	760621	F	6.28	A	1	Oil leak on the supply to #12 alterex bearing
7	760627	F	4.44	A	3	Failure of Reactor Coolant System flow indicator

(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 this month.

AVERAGE DAILY UNIT POWER LEVEL

MONTH June, 1976

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	680	17	857
2	822	18	854
3	785	19	855
4	852	20	853
5	853	21	501
6	855	22	707
7	852	23	839
8	787	24	851
9	333	25	849
10	784	26	851
11	843	27	559
12	849	28	778
13	860	29	838
14	861	30	850
15	859	31	–
16	858		

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: June 1 THROUGH June 30, 1976

   GROSS HOURS IN REPORTING PERIOD: 720.00

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)

	This Month	Year to Date	Cumulative
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	0	2112.4	10671.4
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	0	2076.5	10356.0
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
9. GROSS THERMAL ENERGY GENERATED (MWH)	0	4922491	24594919
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	1678100	8378656
11. NET ELECTRICAL ENERGY GENERATED (MWH)	-(2307)	1594674	7949825
12. REACTOR SERVICE FACTOR	0	48.4	67.3
13. REACTOR AVAILABILITY FACTOR	0	47.7	65.8
14. UNIT SERVICE FACTOR	0	47.6	65.3
15. UNIT AVAILABILITY FACTOR	0	47.6	65.3
16. UNIT CAPACITY FACTOR (Using Net Capability)	0	41.9	57.5
17. UNIT CAPACITY FACTOR (Using Design Mwe)	0	41.2	56.5
18. UNIT FORCED OUTAGE RATE	0	36.4	27.6

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)

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

    July 11, 1976

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

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

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

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

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

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

UNIT SHUTDOWNS

REPORT MONTH ___June, 1976___

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
6	760601	S	720	C	1	Continuation of previous outage

(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:

Reactor remained shut down for refueling outage.

AVERAGE DAILY UNIT POWER LEVEL

MONTH <u>   June, 1976   </u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	–	17	–
2	–	18	–
3	–	19	–
4	–	20	–
5	–	21	–
6	–	22	–
7	–	23	–
8	–	24	–
9	–	25	–
10	–	26	–
11	–	27	–
12	–	28	–
13	–	29	–
14	–	30	–
15	–	31	–
16	–		

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 Unit 3
DATE   7/9/76
DOCKET NO.   50-287
PREPARED BY   E. D. Blakeman

OPERATING STATUS

1. REPORTING PERIOD: June 1   THROUGH   June 30, 1976

   GROSS HOURS IN REPORTING PERIOD: 720.00

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)   _____

	This Month	Year to Date	Cumulative
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	720.0	3477.2	10621.5
6. REACTOR RESERVE SHUTDOWN HOURS	-	-	-
7. HOURS GENERATOR ON-LINE	720.0	3444.6	10393.3
8. UNIT RESERVE SHUTDOWN HOURS	-	-	-
9. GROSS THERMAL ENERGY GENERATED(MWH)	1841499	8252928	24170978
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	639600	2847240	8292154
11. NET ELECTRICAL ENERGY GENERATED (MWH)	613377	2719856	7898290
12. REACTOR SERVICE FACTOR	100.0	79.6	78.6
13. REACTOR AVAILABILITY FACTOR	100.0	79.0	80.5
14. UNIT SERVICE FACTOR	100.0	78.9	76.9
15. UNIT AVAILABILITY FACTOR	100.0	78.9	76.9
16. UNIT CAPACITY FACTOR (Using Net Capability)	97.8	71.5	67.1
17. UNIT CAPACITY FACTOR (Using Design Mwe)	96.0	70.2	65.9
18. UNIT FORCED OUTAGE RATE	0	21.1	14.8

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)

    September 1, 1976 - Refueling (5 weeks)

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

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

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

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

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-287

UNIT NAME Oconee Unit 3

DATE 7/9/76

REPORT MONTH June, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS

(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 outages this month.

AVERAGE DAILY UNIT POWER LEVEL

MONTH _____June, 1976_____

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	853	17	854
2	859	18	858
3	857	19	856
4	856	20	854
5	858	21	853
6	858	22	854
7	858	23	857
8	857	24	859
9	845	25	858
10	856	26	854
11	855	27	849
12	856	28	838
13	858	29	850
14	858	30	844
15	847	31	–
16	790		

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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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.