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FROM: Duke Power Co. Charlotte, N.C. William O. Parker			DATE OF DOC 8-8-75	DATE REC'D 8-12-75	LTR XXX	TWX	RPT	OTHER
TO: NRC			ORIG Signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS <u>XXX</u>	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: <u>50-269/270/287</u>		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: Monthly Report for <u>7-75</u> Plant & Component Operability & Availability This Report to be used in preparing Gray Book by Plans & Operations. NUMBER OF COPIES REC'D: <u>1</u>				
PLANT NAME: <u>Oconee 1-212</u>								

FOR ACTION/INFORMATION

SAB 8-14-75

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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

Regulatory

File Cy.

August 8, 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:

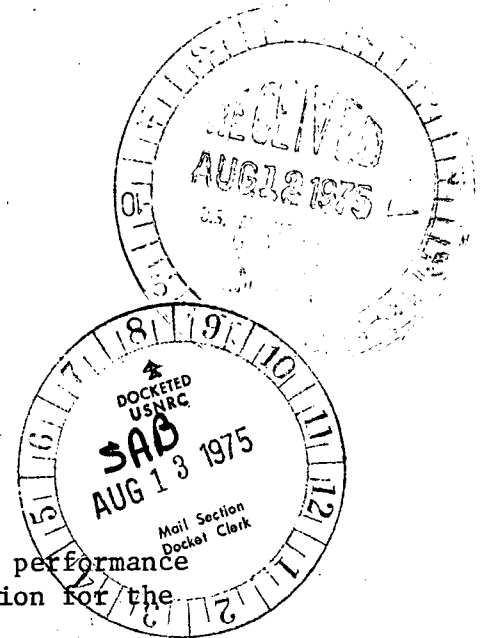
Please find attached information concerning the performance
and operating status of the Oconee Nuclear Station for the
month of July, 1975.

Very truly yours,

William O. Parker Jr.
William O. Parker, Jr. *by Mari*

ROS:vr
Attachment

cc: Mr. Norman C. Moseley



8587

UNIT Oconee Unit 1
DATE 8/8/75
DOCKET NO. 50-269
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: July 1, 1975 THROUGH July 31, 1975
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) -
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>590.3</u>	<u>3127.1</u>	<u>11381.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>1461439</u>	<u>7262474</u>	<u>25499984</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>509070</u>	<u>2550270</u>	<u>8868970</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>482522</u>	<u>2405119</u>	<u>8358138</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>482522</u>	<u>2405119</u>	<u>8358138</u>
12. REACTOR SERVICE FACTOR	<u>81.3</u>	<u>65.8</u>	<u>73.4</u>
13. REACTOR AVAILABILITY FACTOR	<u>79.3</u>	<u>62.2</u>	<u>64.8</u>
14. UNIT SERVICE FACTOR	<u>79.3</u>	<u>61.5</u>	<u>63.6</u>
15. UNIT AVAILABILITY FACTOR	<u>79.3</u>	<u>55.6</u>	<u>63.7</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>74.5</u>	<u>54.3</u>	<u>53.6</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>73.1</u>	<u>53.3</u>	<u>52.6</u>
18. UNIT FORCED OUTAGE RATE	<u>0</u>	<u>36.2</u>	<u>20.5</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH:)
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 8/1/75

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

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

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

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

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

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

UNIT SHUTDOWNS

DOCKET NO. 50-269
UNIT NAME Ocone Unit 1
DATE 8/8/75

REPORT MONTH July, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
11	750719	S	10.68	B	1	Reactor coolant pump lubrication test
12	750726	S	143.07	B	1	Reactor coolant pump lubrication change
						<div> <div> (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) </div> <div> (2) METHOD 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM </div> </div>

SUMMARY:

Unit remained base loaded until July 26, 1975 when shutdown to change reactor coolant pump lubricant.

DOCKET NO. 50-269
UNIT Oconee Unit 1
DATE 8/8/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>848</u>
2	<u>849</u>
3	<u>848</u>
4	<u>738</u>
5	<u>822</u>
6	<u>852</u>
7	<u>852</u>
8	<u>849</u>
9	<u>851</u>
10	<u>850</u>
11	<u>811</u>
12	<u>821</u>
13	<u>855</u>
14	<u>845</u>
15	<u>845</u>
16	<u>843</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	<u>849</u>
18	<u>846</u>
19	<u>569</u>
20	<u>506</u>
21	<u>755</u>
22	<u>804</u>
23	<u>847</u>
24	<u>842</u>
25	<u>810</u>
26	<u>-</u>
27	<u>-</u>
28	<u>-</u>
29	<u>-</u>
30	<u>-</u>
31	<u>-</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 Unit 2
DATE 8/8/75
DOCKET NO. 50-270
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: July 1, 1975 THROUGH July 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

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL	<u>561.7</u>	<u>3599.2</u>	<u>5545.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>551.6</u>	<u>3489.9</u>	<u>5365.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1363641</u>	<u>8285879</u>	<u>12592777</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>459160</u>	<u>2823460</u>	<u>4292436</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>435753</u>	<u>2679407</u>	<u>4066933</u>
12. REACTOR SERVICE FACTOR	<u>75.5</u>	<u>70.8</u>	<u>70.9</u>
13. REACTOR AVAILABILITY FACTOR	<u>74.1</u>	<u>68.8</u>	<u>68.9</u>
14. UNIT SERVICE FACTOR	<u>74.1</u>	<u>68.6</u>	<u>68.6</u>
15. UNIT AVAILABILITY FACTOR	<u>74.1</u>	<u>68.6</u>	<u>68.6</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>67.2</u>	<u>60.5</u>	<u>59.7</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>66.0</u>	<u>59.4</u>	<u>58.6</u>
18. UNIT FORCED OUTAGE RATE	<u>25.9</u>	<u>31.0</u>	<u>31.1</u>
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. 50-270

UNIT NAME Oconee Unit 2

DATE 8/8/75

REPORT MONTH July, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
11	750701	F	192.37	A	1	<p>Unit shutdown to investigate low reactor coolant pump motor oil level and to perform surveillance tests.</p> <div> <div> <p>(1) REASON</p> <p>A-EQUIPMENT FAILURE (EXPLAIN)</p> <p>B-MAINT. OR TEST</p> <p>C-REFUELING</p> <p>D-REGULATORY RESTRICTION</p> <p>E-OPERATOR TRAINING AND LICENSE EXAMINATION</p> <p>F-ADMINISTRATIVE</p> <p>G-OPERATIONAL ERROR (EXPLAIN)</p> <p>H-OTHER (EXPLAIN)</p> </div> <div> <p>(2) METHOD</p> <p>1-MANUAL</p> <p>2-MANUAL SCRAM</p> <p>3-AUTOMATIC SCRAM</p> </div> </div>

SUMMARY:

Unit returned to service on July 9, 1975 and operated base loaded for remainder of the month.

DOCKET NO. 50-270UNIT Oconee Unit 2DATE 8/8/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1975DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	498
10	684
11	818
12	822
13	824
14	825
15	825
16	825

DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

17	823
18	823
19	819
20	814
21	815
22	815
23	812
24	812
25	813
26	788
27	801
28	808
29	806
30	802
31	806

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 8/8/75
DOCKET NO. 50-287
PREPARED BY R. O. Sharpe

OPERATING STATUS

1. REPORTING PERIOD: July 1, 1975 THROUGH July 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) None
4. REASONS FOR RESTRICTION (IF ANY) _____
5. NUMBER OF HOURS THE REACTOR WAS CRITICAL

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
7. HOURS GENERATOR ON-LINE	<u>728.3</u>	<u>3483.2</u>	<u>3666.0</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1783878</u>	<u>7663460</u>	<u>8108110</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>601890</u>	<u>2625940</u>	<u>2774854</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>573888</u>	<u>2494095</u>	<u>2635231</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>70.8</u>	<u>69.2</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>77.5</u>	<u>75.4</u>
14. UNIT SERVICE FACTOR	<u>97.9</u>	<u>68.5</u>	<u>67.0</u>
15. UNIT AVAILABILITY FACTOR	<u>97.9</u>	<u>68.5</u>	<u>67.0</u>
16. UNIT CAPACITY FACTOR (Using Net Capability)	<u>88.6</u>	<u>56.3</u>	<u>55.3</u>
17. UNIT CAPACITY FACTOR (Using Design Mwe)	<u>87.0</u>	<u>55.3</u>	<u>54.3</u>
18. UNIT FORCED OUTAGE RATE	<u>0.9</u>	<u>13.3</u>	<u>12.7</u>
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 8/8/75

REPORT MONTH July, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
13	750711	S	9.46	B	1	100% turbine trip test
14	750720	F	6.29	A	1	Turbine tripped on momentary loss of DC input power on EHC
<div> <div>(1) REASON</div> <div> 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) </div> </div> <div> <div>(2) METHOD</div> <div> 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM </div> </div>						

SUMMARY:

Unit operated base loaded during the month.

DOCKET NO. 50-287
UNIT Oconee Unit 3
DATE 8/8/75

AVERAGE DAILY UNIT POWER LEVEL

MONTH July, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>832</u>
2	<u>831</u>
3	<u>831</u>
4	<u>828</u>
5	<u>826</u>
6	<u>827</u>
7	<u>826</u>
8	<u>824</u>
9	<u>825</u>
10	<u>822</u>
11	<u>477</u>
12	<u>400</u>
13	<u>675</u>
14	<u>816</u>
15	<u>813</u>
16	<u>818</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	<u>825</u>
18	<u>829</u>
19	<u>825</u>
20	<u>621</u>
21	<u>493</u>
22	<u>731</u>
23	<u>821</u>
24	<u>820</u>
25	<u>824</u>
26	<u>781</u>
27	<u>772</u>
28	<u>795</u>
29	<u>834</u>
30	<u>841</u>
31	<u>830</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.