

OPERATING DATA REPORT

DOCKET NO. 50-269
 DATE 04/15/86
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 1
 2. Reporting Period: March 1, 1986-March 31, 1986
 3. Licensed Thermal Power (MWt): 2568
 4. Nameplate Rating (Gross MWe): 934
 5. Design Electrical Rating (Net MWe): 886
 6. Maximum Dependable Capacity (Gross MWe): 899
 7. Maximum Dependable Capacity (Net MWe): 860
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes

Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): None
 10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>2 160.0</u>	<u>111 409.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>1 040.7</u>	<u>81 487.0</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>1 029.5</u>	<u>78 159.1</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>-0-</u>	<u>2 624 291</u>	<u>188 924 491</u>
17. Gross Electrical Energy Generated (MWH)	<u>-0-</u>	<u>914 950</u>	<u>65 661 790</u>
18. Net Electrical Energy Generated (MWH)	<u>-2 479</u>	<u>869 755</u>	<u>62 268 004</u>
19. Unit Service Factor	<u>0.0</u>	<u>47.7</u>	<u>70.2</u>
20. Unit Availability Factor	<u>0.0</u>	<u>47.7</u>	<u>70.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>46.8</u>	<u>64.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>45.5</u>	<u>63.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.1</u>	<u>14.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Currently Refueling

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 28, 1986

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

8604210309 860331
 PDR ADOCK 05000269
 R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-269
 UNIT Oconee 1
 DATE 04/15/86
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

MONTH March, 1986

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	---		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-269
 UNIT NAME Oconee 1
 DATE 4/15/86
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH March, 1986

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
2	86-03-01	S	744.00	C	-		RC	FUELXX	End of Cycle 9 Refueling Outage

1

F Forced
 S Scheduled

2

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3

Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

DOCKET NO: 50-269

UNIT: Oconee 1

DATE: 4/15/86

NARRATIVE SUMMARY

Month: March, 1986

The unit remained in its End of Cycle 9 refueling outage throughout March.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: ---
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes
If yes, what will these be? Technical Specification Revision
If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of fuel assemblies (a) in the core: 177
(b) in the spent fuel pool: 1,019
8. Present licensed fuel pool capacity: 1312
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1991

DUKE POWER COMPANY

DATE: April 15, 1986

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined total for Units 1 and 2.

OPERATING DATA REPORT

DOCKET NO. 50-270
 DATE 04/15/86
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 2
 2. Reporting Period: March 1, 1986-March 31, 1986
 3. Licensed Thermal Power (MWt): 2568
 4. Nameplate Rating (Gross MWe): 934
 5. Design Electrical Rating (Net MWe): 886
 6. Maximum Dependable Capacity (Gross MWe): 899
 7. Maximum Dependable Capacity (Net MWe): 860
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes
 Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): None
 10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>2 160.0</u>	<u>101 329.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2 151.9</u>	<u>74 989.6</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2 138.9</u>	<u>73 740.4</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 889 637</u>	<u>5 448 885</u>	<u>175 852 788</u>
17. Gross Electrical Energy Generated (MWH)	<u>645 450</u>	<u>1 864 640</u>	<u>59 916 981</u>
18. Net Electrical Energy Generated (MWH)	<u>618 178</u>	<u>1 785 396</u>	<u>56 952 957</u>
19. Unit Service Factor	<u>100.0</u>	<u>99.0</u>	<u>72.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>99.0</u>	<u>72.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.6</u>	<u>96.1</u>	<u>65.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.8</u>	<u>93.3</u>	<u>63.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.0</u>	<u>13.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - August 16, 1986 - 9 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CAPACITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-270
 UNIT Oconee 2
 DATE 04/15/86
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH March, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	845	17	831
2	844	18	833
3	844	19	834
4	844	20	834
5	844	21	833
6	843	22	834
7	822	23	833
8	841	24	834
9	843	25	821
10	843	26	831
11	829	27	835
12	756	28	833
13	802	29	833
14	816	30	832
15	833	31	830
16	831		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270
 UNIT NAME Oconee 2
 DATE 4/15/86
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH March, 1986

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10-p	86-03-07	S	--	B	-		CC	VALVEX	Control and Stop Vaive Movement PT's
11-p	86-03-11	S	--	B	-		RB	ZZZZZZ	Reactivity Coefficient Testing
12-p	86-03-11	F	--	A	-		HB	HTEXCH	Isolate Second Stage Reheaters Due to Tube Leaks
13-p	86-03-11	F	--	A	-		HB	HTEXCH	Problems Due to Second Stage Reheater Tube Leaks
14-p	86-03-11	F	--	A	-		HB	HTEXCH	Secondary Chemistry Problems Due to Second Stage Reheater Tube Leaks
15-p	86-03-12	F	--	A	-		HB	HTEXCH	Secondary Chemistry Problems Due to Second Stage Reheater Tube Leaks
16-p	86-03-14	F	--	A	-		HB	HTEXCH	Problems Due to Second stage Reheater Tube Leaks
17-p	86-03-25	F	--	A	-		HH	HTEXCH	(2A2) Feedwater Heater Tube Leak
18-p	86-03-25	F	--	A	-		HB	HTEXCH	Problems Due to Second Stage Reheater Tube Leaks

1
 F Forced
 S Scheduled

2
Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3
Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)
 5
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-270
 UNIT NAME Oconee 2
 DATE 4/15/86
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH March, 1986

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
19-p	86-03-25	F	--	B	-		HH	HTEXCH	Feedwater Temperature Calculations
20-p	86-03-25	F	--	A	-		HB	HTEXCH	Problems Due to Second Stage Reheater Tube Leaks
21-p	86-03-25	F	--	B	-		HH	HTEXCH	Verify Temperature Differential Across (C) Heaters are Within Limits
22-p	86-03-26	F	--	A	-		HB	HTEXCH	Problems Due to Second Stage Reheater Tube Leaks

1
 F Forced
 S Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
 Exhibit I - Same Source

DOCKET NO: 50-270

UNIT: Oconee 2

DATE: 4/15/86

NARRATIVE SUMMARY

Month: March, 1986

The unit began the month at 100% power. On March 11, 1986, the unit reduced power to 88% when tube leaks developed in the Second Stage Reheaters. The unit was able to return to 100% on March 15. On March 25, 1986 the unit reduced power to 95% due to a Feedwater Heater tube leak. The Heater was isolated and the unit returned to 100% and remained at that level for the balance of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 2
2. Scheduled next refueling shutdown: August, 1986
3. Scheduled restart following refueling: October, 1986
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

If yes, what will these be? Technical Specification Revision

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of fuel assemblies (a) in the core: 177
(b) in the spent fuel pool: 1,019*
8. Present licensed fuel pool capacity: 1,312
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1991

DUKE POWER COMPANY

DATE: April 15, 1986

Name of Contact: J. A. Reavis

Phone: 704-373-7567

*Represents the combined totals for Units 1 and 2.

OPERATING DATA REPORT

DOCKET NO. 50-287
 DATE 04/15/86
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: Oconee 3
 2. Reporting Period: March 1, 1986-March 31, 1986
 3. Licensed Thermal Power (MWt): 2568
 4. Nameplate Rating (Gross MWe): 934
 5. Design Electrical Rating (Net MWe): 885
 6. Maximum Dependable Capacity (Gross MWe): 899
 7. Maximum Dependable Capacity (Net MWe): 860
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes

Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.

9. Power Level To Which Restricted, If Any (Net MWe): None
 10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>2 160.0</u>	<u>98 976.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2 156.8</u>	<u>71 528.2</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2 136.3</u>	<u>70 268.8</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 876 078</u>	<u>5 416 220</u>	<u>172 084 666</u>
17. Gross Electrical Energy Generated (MWH)	<u>647 160</u>	<u>1 876 990</u>	<u>59 405 044</u>
18. Net Electrical Energy Generated (MWH)	<u>620 708</u>	<u>1 799 897</u>	<u>56 579 254</u>
19. Unit Service Factor	<u>100.0</u>	<u>98.9</u>	<u>71.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>98.9</u>	<u>71.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.0</u>	<u>96.9</u>	<u>66.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.2</u>	<u>94.1</u>	<u>64.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.1</u>	<u>14.2</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-287
 UNIT Oconee 3
 DATE 04/15/86
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH March, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>855</u>	17	<u>853</u>
2	<u>855</u>	18	<u>854</u>
3	<u>823</u>	19	<u>854</u>
4	<u>718</u>	20	<u>853</u>
5	<u>716</u>	21	<u>855</u>
6	<u>775</u>	22	<u>856</u>
7	<u>854</u>	23	<u>857</u>
8	<u>855</u>	24	<u>856</u>
9	<u>854</u>	25	<u>856</u>
10	<u>853</u>	26	<u>856</u>
11	<u>853</u>	27	<u>856</u>
12	<u>853</u>	28	<u>829</u>
13	<u>854</u>	29	<u>797</u>
14	<u>855</u>	30	<u>722</u>
15	<u>854</u>	31	<u>826</u>
16	<u>854</u>		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-287
 UNIT NAME Oconee 3
 DATE 4/15/86
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH March, 1986

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
5-p	86-03-03	F	--	A	-		HH	PUMPXX	(3D1) Heater Drain Pump Lower Motor Bearing Oil Leak
6-p	86-03-28	S	--	B	-		CC	VALVEX	Turbine Valve Movement PT's
7-p	86-03-29	F	--	A	-		HH	PUMPXX	(3D2) Heater Drain Pump Blown Pump Seal Repairs

1
 F Forced
 S Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
 Exhibit I - Same Source

DOCKET NO: 50-287

UNIT: Oconee 3

DATE: 4/15/86

NARRATIVE SUMMARY

Month: March, 1986

The unit began March at 100% but reduced power to 85% on March 3, 1986 due to an oil leak on a Heater Drain pump motor. The motor and pump were replaced and the unit was back at 100% on March 7. The unit was forced to reduce power again on March 29, when a seal failed on a Heater Drain pump. The seal was replaced and the unit returned to 100%.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee, Unit 3
2. Scheduled next refueling shutdown: February, 1987
3. Scheduled restart following refueling: April, 1987
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes
If yes, what will these be? Technical Specification Revision
If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of fuel assemblies (a) in the core: 177
(b) in the spent fuel pool: 410
8. Present licensed fuel pool capacity: 875
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present licensed capacity: August, 1991

DUKE POWER COMPANY

DATE: April 15, 1986

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OCONEE NUCLEAR STATION

Monthly Operating Status Report

1. Personnel Exposure

For the month of February, 2 individual(s) exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.530 rem, which represents approximately 12.7% of that person's allowable annual limit.

2. The total station liquid release for February has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for February has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

April 15, 1986

Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

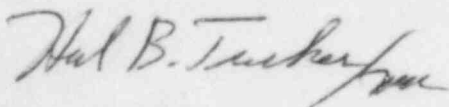
Attention: Document Control Desk

Re: Oconee Nuclear Station
Docket No. 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 March, 1986.

Very truly yours,



Hal B. Tucker

JAR:slb

Attachment

xc: Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Phil Ross
U. S. Nuclear Regulatory Commission
MNBB-5715
Washington, D. C. 20555

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, CT 06032

IE24
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Director
April 15, 1986
Page Two

xc: INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30323

Ms. Judy Dovers
Nuclear Assurance Corporation
5720 Peachtree Parkway
Norcross, Georgia 30092

Ms. Helen Nicolaras, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. J. C. Bryant
NRC Senior Resident Inspector
Oconee Nuclear Station