

Southern Nuclear Operating Company  
Post Office Box 1295  
Birmingham, Alabama 35201  
Telephone (205) 868-5131



Dave Morey  
Vice President  
Farley Project

Southern Nuclear Operating Company  
*the southern electric system*

October 11, 1996

Docket Nos. 50-348  
50-364

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D C 20555

Joseph M. Farley Nuclear Plant  
Monthly Operating Report

Ladies and Gentlemen:

Attached are the September 1996 Monthly Operating Reports for Joseph M. Farley Nuclear Plant Units 1 and 2, as required by Section 6.9.1.10 of the Technical Specifications.

If you have any questions, please advise.

Respectfully submitted,

*DM Morey*  
Dave Morey

RWC:(mor)

Attachments

cc: Mr. S. D. Ebner, Region II Administrator  
Mr. J. I. Zimmerman, NRR Project Manager  
Mr. T. M. Ross, FNP Sr. Resident Inspector

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R PDR

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Joseph M. Farley Nuclear Plant  
Unit 1  
Narrative Summary of Operations  
September 1996

There were no unit shutdowns or major power reductions during the month.

There was no major safety related maintenance performed during the month.

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-348
<b>DATE</b>	October 3, 1996
<b>COMPLETED BY</b>	M. W. McAnulty
<b>TELEPHONE</b>	(334) 899-5156, ext.3640

## OPERATING STATUS

- |     |  |                           |
|-----|--|---------------------------|
| 1.  | Unit Name:   | Joseph M. Farley - Unit 1 |
| 2.  | Reporting Period:  | September 1996            |
| 3.  | Licensed Thermal Power (MWt):  | 2,652                     |
| 4.  | Nameplate Rating (Gross MWe):  | 860                       |
| 5.  | Design Electrical Rating (Net MWe):  | 829                       |
| 6.  | Maximum Dependable Capacity (Gross MWe):   | 855.7                     |
| 7.  | Maximum Dependable Capacity (Net MWe):   | 812                       |
| 8.  | If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A |                           |
| 9.  | Power Level To Which Restricted, If Any (Net MWe):   | N/A                       |
| 10. | Reasons For Restrictions, If Any:  | N/A                       |

### Notes

- 1) Cumulative data since 12-01-77, date of commercial operation.

	This Month	Yr. to Date	Cumulative
11. Hours in Reporting Period	720.0	6,575.0	165,095.0
12. Number Of Hours Reactor Was Critical	720.0	6,546.3	133,235.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	720.0	6,531.0	131,206.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,909,440.0	17,107,214.1	337,861,587.0
17. Gross Electrical Energy Generated (MWH)	620,951.0	5,595,495.0	109,087,649.0
18. Net Electrical Energy Generated (MWH)	589,865.0	5,313,467.0	103,053,119.0
19. Unit Service Factor	100.0	99.3	79.5
20. Unit Availability Factor	100.0	99.3	79.5
21. Unit Capacity Factor (Using MDC Net)	100.9	99.5	76.9
22. Unit Capacity Factor (Using DER Net)	98.8	97.5	75.3
23. Unit Forced Outage Rate	0.0	0.0	5.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Refueling Outage scheduled for March 15, 1997 with a duration of 49 days.		

- | 25.                  | If Shut Down at End Of Report Period, Estimated Date of Startup: | N/A  |          |          |                     |          |                     |          |                      |          |
|----------------------|--|--|----------|----------|---------------------|----------|---------------------|----------|----------------------|----------|
| 26.                  | Units In Test Status (Prior To Commercial Operation):            | <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">Forecast</th> <th style="width: 40%;">Achieved</th> </tr> <tr> <td>Initial Criticality</td> <td>08/06/77</td> </tr> <tr> <td>Initial Electricity</td> <td>08/20/77</td> </tr> <tr> <td>Commercial Operation</td> <td>12/01/77</td> </tr> </table> | Forecast | Achieved | Initial Criticality | 08/06/77 | Initial Electricity | 08/20/77 | Commercial Operation | 12/01/77 |
| Forecast             | Achieved   |  |          |          |                     |          |                     |          |                      |          |
| Initial Criticality  | 08/06/77   |  |          |          |                     |          |                     |          |                      |          |
| Initial Electricity  | 08/20/77   |  |          |          |                     |          |                     |          |                      |          |
| Commercial Operation | 12/01/77   |  |          |          |                     |          |                     |          |                      |          |

DOCKET NO.	50-348
UNIT	1
DATE	October 3, 1996
COMPLETED BY	M. W. McNulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	817	17	811
2	817	18	823
3	817	19	826
4	818	20	824
5	816	21	820
6	817	22	823
7	815	23	823
8	815	24	823
9	818	25	821
10	818	26	819
11	818	27	816
12	818	28	818
13	820	29	827
14	826	30	820
15	821	31	N/A
16	816		

#### INSTRUCTIONS

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348

UNIT NAME J. M. Farley - Unit 1

DATE October 3, 1996

COMPLETED BY M. W. McNulty

TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH **September**[illegible]

1

24

3:

EVENTS REPORTED

F: Forced

Reason

## Method

INVOLVE A

S: Scheduled

A - Equipment Failure (Explain)

1 - Manual

GREATER THAN 20%

B - Maintenance or Test

2 - Manual Scram

REDUCTION IN

### C - Refueling

3 - Automatic Scram

AVERAGE DAILY

D - Regulatory Restriction

4 - Other (Explain)

POWER LEVEL FCR

### E - Operator Training & License Examination

THE PRECEDING 24

F - Administrative

HOURS.

G - Operational Error (Explain)

H - Other (Explain)

Joseph M. Farley Nuclear Plant  
Unit 2  
Narrative Summary of Operations  
September 1996

At 0234 on September 8, 1996, with the unit operating in mode 1 at 100% reactor power, the unit was ramped down to 70% reactor power to perform condenser tube inspections due to elevated sodium levels on the secondary side.

The tube inspections were completed with no tube leaks indicated and sodium levels had returned to within acceptable limits. The unit was returned to 100% reactor power at 0514 on September 9, 1996.

There was no major safety related maintenance performed during the month.

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-364
<b>DATE</b>	October 3, 1996
<b>COMPLETED BY</b>	M. W. McAnulty
<b>TELEPHONE</b>	(334) 899-5156, ext.3640

## OPERATING STATUS

- |   |                           |
|---|---------------------------|
| 1. Unit Name:   | Joseph M. Farley - Unit 2 |
| 2. Reporting Period:  | September 1996            |
| 3. Licensed Thermal Power (MWt):  | 2,652                     |
| 4. Nameplate Rating (Gross MWe):  | 860                       |
| 5. Design Electrical Rating (Net MWe):  | 829                       |
| 6. Maximum Dependable Capacity (Gross MWe):   | 863.6                     |
| 7. Maximum Dependable Capacity (Net MWe):   | 822                       |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: | N/A                       |
| 9. Power Level To Which Restricted, If Any (Net MWe):   | N/A                       |
| 10. Reasons For Restrictions, If Any:   | N/A                       |

### Notes

- 1) Cumulative data since 07-30-81, date of commercial operation.

	This Month	Yr. to Date	Cumulative
11. Hours in Reporting Period	720.0	6,575.0	133,008.0
12. Number Of Hours Reactor Was Critical	720.0	6,575.0	115,478.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	720.0	6,575.0	113,785.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,891,141.2	17,028,699.0	290,002,489.4
17. Gross Electrical Energy Generated (MWH)	615,001.0	5,579,378.0	95,041,857.0
18. Net Electrical Energy Generated (MWH)	585,455.0	5,309,326.0	90,122,977.0
19. Unit Service Factor	100.0	100.0	85.5
20. Unit Availability Factor	100.0	100.0	85.5
21. Unit Capacity Factor (Using MDC Net)	98.9	98.2	82.6
22. Unit Capacity Factor (Using DER Net)	98.1	97.4	81.7
23. Unit Forced Outage Rate	0.0	0.0	3.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling Outage scheduled for October 12, 1996 with a duration of 48 days			

25. If Shut Down at End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior To Commercial Operation):	Forecast	Achieved
Initial Criticality	05/06/81	05/08/81
Initial Electricity	05/24/81	05/25/81
Commercial Operation	08/01/81	07/30/81

DOCKET NO.	50-364
UNIT	2
DATE	October 3, 1996
COMPLETED BY	M. W. McNulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	822	17	813
2	820	18	826
3	822	19	829
4	823	20	826
5	822	21	821
6	821	22	826
7	815	23	819
8	579	24	826
9	800	25	822
10	823	26	816
11	824	27	813
12	824	28	817
13	827	29	828
14	832	30	819
15	824	31	N/A
16	817		

#### INSTRUCTIONS

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



# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364

UNIT NAME J. M. Farley - Unit 2

DATE October 3, 1996

COMPLETED BY M. W. McAnulty

TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH September

NO.	DATE	T Y P E (1)	DURATION (HOURS) (2)	R E A S O N (3)	M E T H O D (4)	LER #	S Y S T E M (5)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
010	960908	S	0	B	4	N/A	SG	COND	At 0234 on 960908, with the unit operating in mode 1 at 100% reactor power, the unit was ramped down to 70% reactor power to perform condenser tube inspections due to elevated sodium levels on the secondary side.  The tube inspections were completed with no tube leaks indicated and sodium levels had returned to within acceptable limits. The unit was returned to 100% reactor power at 0514 on 960909.

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)
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EVENTS REPORTED  
INVOLVE A  
GREATER THAN 20%  
REDUCTION IN  
AVERAGE DAILY  
POWER LEVEL FOR  
THE PRECEDING 24  
HOURS.