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Dave Morey  
Vice President  
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Southern Nuclear Operating Company  
*the southern electric system*

June 12, 1995

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 Data Report

Gentlemen:

Attached are the May 1995 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,

Dave Morey

RWC:jgp(mor)

Attachments

cc: Mr. S. D. Ebner  
Mr. B. L. Siegel  
Mr. T. M. Ross

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Joseph M. Farley Nuclear Plant  
Unit 1  
Narrative Summary of Operations  
May 1995

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

|              |                             |
|--------------|-----------------------------|
| DOCKET NO.   | 50-348                      |
| DATE         | June 8, 1995                |
| COMPLETED BY | S. M. Allison               |
| TELEPHONE    | (334) 899-5156<br>ext. 3442 |

## OPERATING STATUS

- Unit Name: **Joseph M. Farley - Unit 1**
- Reporting Period: **May 1995**
- Licensed Thermal Power (MWt): **2,652**
- Nameplate Rating (Gross MWe): **860**
- Design Electrical Rating (Net MWe): **829**
- Maximum Dependable Capacity (Gross MWe): **852**
- Maximum Dependable Capacity (Net MWe): **812**
- If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: **N/A**

### Notes

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

- Power Level To Which Restricted, If Any (Net MWe): **N/A**
- Reasons For Restrictions, If Any: **N/A**

|   | This Month  | Yr. to Date | Cumulative    |
|---|-------------|-------------|---------------|
| 11. Hours in Reporting Period               | 744.0       | 3,623.0     | 153,383.0     |
| 12. Number Of Hours Reactor Was Critical    | 744.0       | 3,532.7     | 122,789.5     |
| 13. Reactor Reserve Shutdown Hours          | 0.0         | 0.0         | 3,650.0       |
| 14. Hours Generator On-line                 | 744.0       | 3,512.9     | 120,966.8     |
| 15. Unit Reserve Shutdown Hours             | 0.0         | 0.0         | 0.0           |
| 16. Gross Thermal Energy Generated (MWH)    | 1,969,706.8 | 9,286,628.7 | 311,422,345.7 |
| 17. Gross Electrical Energy Generated (MWH) | 642,725.0   | 3,051,343.0 | 100,465,048.0 |
| 18. Net Electrical Energy Generated (MWH)   | 610,785.0   | 2,896,785.0 | 94,896,774.0  |
| 19. Unit Service Factor                     | 100.0       | 97.0        | 78.9          |
| 20. Unit Availability Factor                | 100.0       | 97.0        | 78.9          |
| 21. Unit Capacity Factor (Using MDC Net)    | 101.1       | 98.5        | 76.0          |
| 22. Unit Capacity Factor (Using DER Net)    | 99.0        | 96.4        | 74.6          |
| 23. Unit Forced Outage Rate                 | 0.0         | 3.0         | 5.9           |

- Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
*Refueling/Maintenance Outage, September 16, 1995. Approximately 33 days.*

- If Shut Down at End Of Report Period, Estimated Date of Startup: **N/A**
- Units In Test Status (Prior To Commercial Operation):

|                      | Forecast | Achieved |
|----------------------|----------|----------|
| Initial Criticality  | 08/06/77 | 08/09/77 |
| Initial Electricity  | 08/20/77 | 08/18/77 |
| Commercial Operation | 12/01/77 | 12/01/77 |

|              |                             |
|--------------|-----------------------------|
| DOCKET NO.   | 50-348                      |
| UNIT         | 1                           |
| DATE         | June 8, 1995                |
| COMPLETED BY | S. M. Allison               |
| TELEPHONE    | (334) 899-5156<br>ext. 3442 |

MONTH May

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | 824                                    | 17  | 820                                    |
| 2   | 827                                    | 18  | 819                                    |
| 3   | 829                                    | 19  | 817                                    |
| 4   | 826                                    | 20  | 826                                    |
| 5   | 816                                    | 21  | 826                                    |
| 6   | 821                                    | 22  | 826                                    |
| 7   | 827                                    | 23  | 823                                    |
| 8   | 821                                    | 24  | 821                                    |
| 9   | 819                                    | 25  | 822                                    |
| 10  | 822                                    | 26  | 818                                    |
| 11  | 820                                    | 27  | 819                                    |
| 12  | 821                                    | 28  | 819                                    |
| 13  | 818                                    | 29  | 818                                    |
| 14  | 815                                    | 30  | 817                                    |
| 15  | 815                                    | 31  | 819                                    |
| 16  | 821                                    |     |  |

#### 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 June 8, 1995

COMPLETED BY S. M. Allison

TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH **May**[illegible]

1:

2:

3:

4

5.

F: Forced

Reason

## Method

Exhibit G- Instructions for

Exhibit I - Same Source

S: Scheduled

A - Equipment Failure (Explain)

1 - Manual

### Preparations of Date Entry

B - Maintenance or Test

2 - Manual Scram

### Sheets for Licensee Event

### C - Refueling

3 - Automatic Scram

Report (LER) File (NUREG-0161)

D - Regulatory Restriction

4 - Other (Explain)

### E - Operator Training & License Examination

F - Administrative

G - Operational Error (Explain)

H - Other (Explain)

Joseph M. Farley Nuclear Plant  
Unit 2  
Narrative Summary of Operations  
May 1995

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

The unit was synchronized to the grid at 0645 on April 27, 1995. During startup and following on line operation, higher than expected sodium levels were observed in the secondary system and the steam generators. The higher than expected sodium levels resulted in several power reductions beginning on May 2, 1995, to enhance the removal of sodium from the steam generators. The unit returned to 100 percent power at 1100 on May 13, 1995.

At 0302 on May 14, 1995, a power reduction was commenced and at 2046 on May 15, 1995, the unit was taken off line for secondary system inspections as part of an investigation to determine the source of the higher than expected sodium levels.

Following the inspections, the reactor was taken critical at 1217 on May 24, 1995, and synchronized to the grid at 2227 on May 25, 1995. The unit was held at low power (approximately 30 percent) for further removal of sodium from the steam generators.



# OPERATING DATA REPORT

DOCKET NO. 50-364  
 DATE June 8, 1995  
 COMPLETED BY S. M. Allison  
 TELEPHONE (334) 899-5156  
 ext. 3442

## OPERATING STATUS

1. Unit Name: **Joseph M. Farley - Unit 2**
2. Reporting Period: **May 1995**
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**

### Notes

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

9. Power Level To Which Restricted, If Any (Net MWe): **N/A**
10. Reasons For Restrictions, If Any: **N/A**

|   | This Month | Yr. to Date | Cumulative    |
|---|------------|-------------|---------------|
| 11. Hours in Reporting Period               | 744.0      | 3,623.0     | 121,296.0     |
| 12. Number Of Hours Reactor Was Critical    | 536.8      | 2,249.0     | 103,906.7     |
| 13. Reactor Reserve Shutdown Hours          | 0.0        | 0.0         | 138.0         |
| 14. Hours Generator On-line                 | 502.3      | 2,158.7     | 102,381.3     |
| 15. Unit Reserve Shutdown Hours             | 0.0        | 0.0         | 0.0           |
| 16. Gross Thermal Energy Generated (MWH)    | 493,006.8  | 4,594,779.0 | 260,934,484.7 |
| 17. Gross Electrical Energy Generated (MWH) | 134,723.0  | 1,487,971.0 | 85,542,513.0  |
| 18. Net Electrical Energy Generated (MWH)   | 107,843.0  | 1,379,411.0 | 81,101,709.0  |
| 19. Unit Service Factor                     | 67.5       | 59.6        | 84.4          |
| 20. Unit Availability Factor                | 67.5       | 59.6        | 84.4          |
| 21. Unit Capacity Factor (Using MDC Net)    | 17.6       | 46.3        | 81.6          |
| 22. Unit Capacity Factor (Using DER Net)    | 17.5       | 45.9        | 80.7          |
| 23. Unit Forced Outage Rate                 | 0.0        | 0.0         | 3.9           |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
**N/A**

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         | June 8, 1995                |
| COMPLETED BY | S. M. Allison               |
| TELEPHONE    | (334) 899-5156<br>ext. 3442 |

MONTH May

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | 251                                    | 17  | 0                                      |
| 2   | 375                                    | 18  | 0                                      |
| 3   | 59                                     | 19  | 0                                      |
| 4   | 261                                    | 20  | 0                                      |
| 5   | 101                                    | 21  | 0                                      |
| 6   | 527                                    | 22  | 0                                      |
| 7   | 255                                    | 23  | 0                                      |
| 8   | 65                                     | 24  | 0                                      |
| 9   | 216                                    | 25  | 0                                      |
| 10  | 81                                     | 26  | 50                                     |
| 11  | 194                                    | 27  | 112                                    |
| 12  | 555                                    | 28  | 146                                    |
| 13  | 795                                    | 29  | 143                                    |
| 14  | 283                                    | 30  | 144                                    |
| 15  | 16                                     | 31  | 143                                    |
| 16  | 0                                      |     |  |

# 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

REPORT MONTH May

DOCKET NO. 50-364  
 UNIT NAME J. M. Farley - Unit 2  
 DATE June 8, 1995  
 COMPLETED BY S. M. Allison  
 TELEPHONE (334) 899-5156, ext. 3442

| NO. | DATE   | TYPE (1) | DURATION<br>HOURS | REASON (2) | METHOD OF<br>SHUTTING<br>DOWN REACTOR (3) | LICENSEE<br>EVENT<br>REPORT # | SYSTEM<br>CODE (4) | COMPONENT<br>CODE (5) | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE   |
|-----|--------|----------|-------------------|------------|---|-------------------------------|--------------------|-----------------------|---|
| 003 | 950502 | S        | 262.9             | H          | N/A                                       | N/A                           | N/A                | N/A                   | The unit was synchronized to the grid at 0645 on April 27, 1995. During startup and following on line operation, higher than expected sodium levels were observed in the secondary system and the steam generators. The higher than expected sodium levels resulted in several power reductions beginning at 1207 on May 2, 1995, to enhance the removal of sodium from the steam generators. The unit returned to 100 percent power at 1100 on May 13, 1995. |
| 004 | 950514 | S        | 283.5             | H          | 1   | N/A                           | N/A                | N/A                   | At 0302 on May 14, 1995, a power reduction was commenced and at 2046 on May 15, 1995, the unit was taken off line for secondary system inspections as part of an investigation to determine the source of the higher than expected sodium levels.   |

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  
 Preparations of Date Entry  
 Sheets for Licensee Event  
 Report (LER) File (NUREG-0161)

5: Exhibit I - Same Source

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364  
UNIT NAME J. M. Farley - Unit 2  
DATE June 8, 1995  
COMPLETED BY S. M. Allison  
TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH May

| NO.          | DATE   | TYPE (1) | DURATION<br>HOURS | REASON (2) | METHOD OF<br>SHUTTING<br>DOWN REACTOR (3) | LICENSEE<br>EVENT<br>REPORT # | SYSTEM<br>CODE (4) | COMPONENT<br>CODE (5) | CAUSE AND CORRECTIVE<br>ACTION TO<br>PREVENT RECURRENCE   |
|--------------|--------|----------|-------------------|------------|---|-------------------------------|--------------------|-----------------------|---|
| 004<br>cont. | 950514 | S        | 283.5             | H          | 1   | N/A                           | N/A                | N/A                   | Following the inspections, the reactor was taken critical at 1217 on May 24, 1995, and synchronized to the grid at 2227 on May 25, 1995. The unit was held at low power (approximately 30 percent) for further removal of sodium from the steam generators. |

1: F: Forced  
S: Scheduled

2: Reason  
A - Equipment Failure (Explain)  
B - Maintenance or Test  
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E - Operator Training & License Examination  
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H - Other (Explain)

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

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Preparations of Date Entry  
Sheets for Licensee Event  
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