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Southern Nuclear Operating Company
the southern electric system

Dave Morey
Vice President
Farley Project

April 12, 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

Gentlemen:

Attached are the March 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,

Dave Morey

RWC:(mor)

Attachments

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

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

| | |
|--------------|--------------------------|
| DOCKET NO. | 50-348 |
| DATE | April 5, 1996 |
| COMPLETED BY | M. W. McAnulty |
| TELEPHONE | (334) 899-5156, ext.3640 |

OPERATING STATUS

- | | | |
|---|----------------------------------|--|
| 1. Unit Name: | Joseph M. Farley - Unit 1 | Notes 1) Cumulative data since 12-01-77, date of commercial operation. |
| 2. Reporting Period: | March 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 | |

| | This Month | Yr.to Date | Cumulative |
|---|-------------|-------------|---------------|
| 11. Hours in Reporting Period | 744.0 | 2,184.0 | 160,704.0 |
| 12. Number Of Hours Reactor Was Critical | 744.0 | 2,184.0 | 128,873.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 3,650.0 |
| 14. Hours Generator On-line | 744.0 | 2,184.0 | 126,859.7 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,973,088.0 | 5,691,979.7 | 326,446,352.6 |
| 17. Gross Electrical Energy Generated (MWH) | 651,824.0 | 1,880,963.0 | 105,373,117.0 |
| 18. Net Electrical Energy Generated (MWH) | 620,136.0 | 1,788,333.0 | 99,527,985.0 |
| 19. Unit Service Factor | 100.0 | 100.0 | 78.9 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 78.9 |
| 21. Unit Capacity Factor (Using MDC Net) | 102.6 | 100.8 | 76.3 |
| 22. Unit Capacity Factor (Using DER Net) | 100.5 | 98.8 | 74.7 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 5.8 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Scheduled maintenance outage for 4/20/96 thru 4/23/96

| | | |
|--|-----------------|-----------------|
| 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 | 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 April 5, 1996
 COMPLETED BY M. W. McAnulty
 TELEPHONE (334) 899-5156 ext 364

MONTH March

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 836 | 17 | 829 |
| 2 | 836 | 18 | 830 |
| 3 | 836 | 19 | 834 |
| 4 | 835 | 20 | 836 |
| 5 | 832 | 21 | 836 |
| 6 | 825 | 22 | 835 |
| 7 | 831 | 23 | 836 |
| 8 | 838 | 24 | 834 |
| 9 | 839 | 25 | 831 |
| 10 | 839 | 26 | 831 |
| 11 | 837 | 27 | 831 |
| 12 | 839 | 28 | 829 |
| 13 | 836 | 29 | 831 |
| 14 | 834 | 30 | 832 |
| 15 | 830 | 31 | 832 |
| 16 | 828 | | |

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.

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

At 1716 on March 11, 1996, with the unit operating in mode 1 at 100% reactor power, the unit was ramped down to 60% reactor power to replace the electro-hydraulic (EH) servo valves on both Steam Generator Feed Pumps (SGFP). It was determined that the low pressure (LP) governor valve on the 2A SGFP pump was not at the demanded position due to problems with the EH servo valves.

At 1112 on March 12, 1996, with the unit operating in mode 1 at 60% reactor power and the 2B SGFP secured, the unit was ramped to 25% reactor power due to an EH leak on the 2A SGFP. Upon investigation, it was determined the leak was due to an improperly installed EH servo valve for the LP governor valve.

At 0714 on March 13, 1996, with the unit operating in mode 1 at 33% reactor power, the unit was ramped down to 12% reactor power due to a steam leak on the 1A Moisture Separator Reheater (MSR) Second Stage Drain Tank manway cover. Upon investigation, it was determined that the steam leak was due to improperly torqued manway cover bolts.

All repairs were completed and the unit was returned to 100% reactor power at 1055 on March 15, 1996.

OPERATING DATA REPORT

| | |
|--------------|--------------------------|
| DOCKET NO. | 50-364 |
| DATE | April 5, 1996 |
| COMPLETED BY | M. W. McAnulty |
| TELEPHONE | (334) 899-5156, ext.3640 |

OPERATING STATUS

- | | |
|---|----------------------------------|
| 1. Unit Name: | Joseph M. Farley - Unit 2 |
| 2. Reporting Period: | March 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 | 744.0 | 2,184.0 | 128,617.0 |
| 12. Number Of Hours Reactor Was Critical | 744.0 | 2,184.0 | 111,087.4 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 138.0 |
| 14. Hours Generator On-line | 744.0 | 2,184.0 | 109,394.2 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,832,081.2 | 5,509,530.1 | 278,483,320.5 |
| 17. Gross Electrical Energy Generated (MWH) | 603,325.0 | 1,821,092.0 | 91,283,571.0 |
| 18. Net Electrical Energy Generated (MWH) | 572,725.0 | 1,731,558.0 | 86,545,209.0 |
| 19. Unit Service Factor | 100.0 | 100.0 | 85.1 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 85.1 |
| 21. Unit Capacity Factor (Using MDC Net) | 93.6 | 96.5 | 82.1 |
| 22. Unit Capacity Factor (Using DER Net) | 92.9 | 95.6 | 81.2 |
| 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

| | 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 April 5, 1996
 COMPLETED BY M. W. McNulty
 TELEPHONE (334) 899-5156 ext 364

MONTH March

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 841 | 17 | 833 |
| 2 | 806 | 18 | 832 |
| 3 | 841 | 19 | 838 |
| 4 | 838 | 20 | 841 |
| 5 | 834 | 21 | 841 |
| 6 | 827 | 22 | 840 |
| 7 | 834 | 23 | 840 |
| 8 | 843 | 24 | 836 |
| 9 | 843 | 25 | 835 |
| 10 | 843 | 26 | 835 |
| 11 | 766 | 27 | 822 |
| 12 | 279 | 28 | 785 |
| 13 | 159 | 29 | 833 |
| 14 | 290 | 30 | 833 |
| 15 | 710 | 31 | 832 |
| 16 | 831 | | |

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 April 5, 1996
 COMPLETED BY M. W. McAnulty
 TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH March

| NO. | DATE | TYPE (1) | DURATION (HOURS) | REASON (2) | METHOD (3) | LER # | STATUS S C T O E D M E | COMPONENT CODE (5) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|--------|-------------|---------------------|---------------|---------------|-------|--|-----------------------|--|
| 003 | 960311 | F | 0 | A | 4 | N/A | SJ | SCV | At 1716 on 960311, with the unit in mode 1, operating at 100% reactor power, the unit was ramped to 60% reactor power. The ramp was due to electro-hydraulic (EH) servo valve problems resulting in the 2A steam generator feed pump (SGFP) low pressure (LP) governor valve not being in the demanded position. The servo valves for the LP and HP governor valves on both SGFPs were replaced. |
| 004 | 960312 | F | 0 | A | 4 | N/A | SJ | SCV | At 1112 on 960312, with the unit in mode 1, operating at 60% reactor power and the 2B SGFP secured, the unit was ramped to 25% reactor power. The ramp was due to an EH leak resulting from an improperly installed servo valve for the LP governor valve on the 2A SGFP. The valve was repaired. |

- | | | |
|--------------|---|---------------------|
| 1: F: Forced | 2: Reason | 3: Method |
| S: Scheduled | A - Equipment Failure (Explain) | 1 - Manual |
| | B - Maintenance or Test | 2 - Manual Scram |
| | C - Refueling | 3 - Automatic Scram |
| | D - Regulatory Restriction | 4 - Other (Explain) |
| | E - Operator Training & License Examination | |
| | F - Administrative | |
| | G - Operational Error (Explain) | |
| | H - Other (Explain) | |

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364
 UNIT NAME J. M. Farley - Unit 2
 DATE April 5, 1996
 COMPLETED BY M. W. McAnulty
 TELEPHONE (334) 899-5156, ext.3640

REPORT MONT March

| NO. | DATE | T Y P E (1) | DURATION (HOURS) | R E A S O N (2) | M E T H O D (3) | LER # | S Y S T E M | COMPONENT CODE (5) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|--------|-------------------------|---------------------|-----------------------------------|-----------------------------------|-------|----------------------------|-----------------------|---|
| 005 | 960313 | F | 0 | A | 4 | N/A | SN | TK | <p>At 0714 on 960313, with the unit in mode 1, ramping up at 33% reactor power, the unit was ramped to 12% reactor power due to a steam leak on the 1A Moisture Separator Reheater (MSR) Second Stage Drain Tank. The leak resulted from improperly torqued manway cover bolts. The cover gasket was replaced and the bolts were torqued to the correct value.</p> <p>All repairs were completed and the unit was returned to 100% reactor power at 1055 on 960315.</p> |

- | | | | |
|--------------|---|---------------------|------------------|
| 1: F: Forced | 2: Reason | 3: Method | EVENTS REPORTED |
| S: Scheduled | A - Equipment Failure (Explain) | 1 - Manual | INVOLVE A |
| | B - Maintenance o. Test | 2 - Manual Scram | GREATER THAN 20% |
| | C - Refueling | 3 - Automatic Scram | REDUCTION IN |
| | D - Regulatory Restriction | 4 - Other (Explain) | AVERAGE DAILY |
| | E - Operator Training & License Examination | | POWER LEVEL FOR |
| | F - Administrative | | THE PRECEDING 24 |
| | G - Operational Error (Explain) | | HOURS. |
| | H - Other (Explain) | | |