

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*

February 10, 1995

Docket Nos. 50-348  
50-364

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

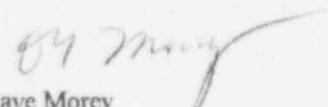
Joseph M. Farley Nuclear Plant  
Monthly Operating Data Report

Gentlemen:

Attached are the January 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. Ebnetter  
Mr. B. L. Siegel  
Mr. T. M. Ross

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

At 0935 on January 7, 1995, with the Unit in mode 1 and operating at 100 percent reactor power, a ramp to 80 percent reactor power was commenced. The unit was ramped down to perform maintenance on the 1C condensate pump.

The unit was returned to 100 percent reactor power at 2105 on January 7, 1995.

At 0758, on January 13, 1995, with the unit in mode 1 operating at 100 percent reactor power, the reactor tripped due to a turbine trip in response to a loss of digital electro-hydraulic control (DEHC) overspeed protection. An evaluation of the DEHC system design indicated a vulnerability of the DEHC system to minor voltage transients. Modifications were performed to the DEHC system in order to reduce the vulnerability to minor voltage transients.

The unit was returned to power operation at 2203 on January 17, 1995.

The following major safety-related maintenance was performed during the month:

Modifications were performed to the DEHC system in order to reduce the vulnerability of the DEHC system to minor voltage transients.

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-348
<b>DATE</b>	February 8, 1995
<b>COMPLETED BY</b>	R. D. Hill
<b>TELEPHONE</b>	(334) 899-5156

## OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: January 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): 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	744.0	744.0	150,504.0
12. Number Of Hours Reactor Was Critical	653.7	653.7	119,910.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	633.9	633.9	118,087.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,668,639.2	1,668,639.2	303,804,356.2
17. Gross Electrical Energy Generated (MWH)	548,987.0	548,987.0	97,962,692.0
18. Net Electrical Energy Generated (MWH)	517,455.0	517,455.0	92,517,444.0
19. Unit Service Factor	85.2	85.2	78.5
20. Unit Availabilty Factor	85.2	85.2	78.5
21. Unit Capacity Factor (Using MDC Net)	85.7	85.7	75.5
22. Unit Capacity Factor (Using DER Net)	83.9	83.9	74.2
23. Unit Forced Outage Rate	14.8	14.8	6.0
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	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	February 8, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(334) 899-5156

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	830	17	0
2	834	18	715
3	835	19	829
4	835	20	831
5	835	21	832
6	829	22	833
7	771	23	833
8	833	24	834
9	829	25	834
10	827	26	833
11	824	27	832
12	826	28	828
13	251	29	833
14	0	30	833
15	0	31	833
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 January

DOCKET NO. 50-348  
 UNIT NAME J. M. Farley - Unit 1  
 DATE February 8, 1995  
 COMPLETED BY R. D. Hill  
 TELEPHONE (334) 899-5156

NO.	DATE	TYPE (1)	DURATION HOURS	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
002	950113	F	110.08	H	3	95-001-00	JJ	ZZZZZZ	At 0758, on January 13, 1995, with the unit in mode 1 operating at 100 percent power, the reactor tripped due to a turbine trip in response to a loss of digital electro-hydraulic control (DEHC) overspeed protection. An evaluation of the DEHC system design indicated a vulnerability of the DEHC system to minor voltage transients. Modifications were performed to the DEHC system in order to reduce the vulnerability of the DEHC system to minor voltage transients.  The unit was returned to power operation at 2203 on January 17, 1995.

- |                                 |  |  |  |                               |
|---------------------------------|--|--|--|-------------------------------|
| 1:<br>F: Forced<br>S: Scheduled | 2:<br>Reason<br>A - Equipment Failure (Explain)<br>B - Maintenance or Test<br>C - Refueling<br>D - Regulatory Restriction<br>E - Operator Training & License Examination<br>F - Administrative<br>G - Operational Error (Explain)<br>H - Other (Explain) | 3:<br>Method<br>1 - Manual<br>2 - Manual Scram<br>3 - Automatic Scram<br>4 - Other (Explain) | 4:<br>Exhibit G- Instructions for Preparations of Date Entry<br>Sheets for Licensee Event Report (LER) File (NUREG-0161) | 5:<br>Exhibit I - Same Source |
|---------------------------------|--|--|--|-------------------------------|

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348  
 UNIT NAME J. M. Farley - Unit 1  
 DATE February 8, 1995  
 COMPLETED BY R. D. Hill  
 TELEPHONE (334) 899-5156

REPORT MONTH January

NO.	DATE	TYPE (1)	DURATION HOURS	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
001	950107	S	0	B	4	N/A	SD	P	At 0935 on January 7, 1995, with the Unit in mode 1 and operating at 100 percent reactor power, a ramp to 80 percent reactor power was commenced. The unit was ramped down to perform maintenance on the 1C condensate pump.  The unit was returned to 100 percent reactor power at 2105 on January 7, 1995.

- 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

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

At 2100, on January 27, 1995, with Unit 2 in mode 1 operating at 100 percent reactor power, a ramp to mode 3 commenced. An evaluation of the digital electro-hydraulic (DEHC) system design had indicated a vulnerability of the DEHC system to minor voltage transients. The unit was manually shut down to perform modifications to the DEHC system in order to reduce the vulnerability of the DEHC system to minor voltage transients.

The unit was returned to power operation at 2132 on January 31, 1995.

The following major safety-related maintenance was performed during the month:

Modifications were performed to the DEHC system in order to reduce the vulnerability of the DEHC system to minor voltage transients.

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-364
<b>DATE</b>	February 8, 1995
<b>COMPLETED BY</b>	R. D. Hill
<b>TELEPHONE</b>	(334) 899-5156

## OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: January 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
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	744.0	118,417.0
12. Number Of Hours Reactor Was Critical	666.4	666.4	102,324.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	654.8	654.8	100,877.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,728,025.4	1,728,025.4	258,067,731.1
17. Gross Electrical Energy Generated (MWH)	571,692.0	571,692.0	84,626,234.0
18. Net Electrical Energy Generated (MWH)	542,634.0	542,634.0	80,264,932.0
19. Unit Service Factor	88.0	88.0	85.2
20. Unit Availability Factor	88.0	88.0	85.2
21. Unit Capacity Factor (Using MDC Net)	88.7	88.7	82.7
22. Unit Capacity Factor (Using DER Net)	88.0	88.0	81.8
23. Unit Forced Outage Rate	12.0	12.0	4.0

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

*Refueling/Maintenance outage, March 10, 1995. Approximately 39 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	February 8, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(334) 899-5156

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	838	17	840
2	842	18	837
3	843	19	837
4	844	20	842
5	836	21	841
6	839	22	843
7	843	23	842
8	841	24	843
9	837	25	842
10	835	26	842
11	835	27	827
12	833	28	28
13	833	29	0
14	838	30	0
15	838	31	0
16	839		

#### 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 February 8, 1995  
 COMPLETED BY R. D. Hill  
 TELEPHONE (334) 899-5156

REPORT MONTH January

NO.	DATE	TYPE (1)	DURATION HOURS	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
001	950127	S	89.2	B	1	N/A	JJ	ZZZZZZ	At 2100, on January 27, 1995, with Unit 2 in mode 1 operating at 100 percent power, a ramp to mode 3 was commenced. An evaluation of the digital electro-hydraulic (DEHC) system design had indicated a vulnerability of the DEHC system to minor voltage transients. The unit was manually shut down to perform modifications to the DEHC system in order to reduce the vulnerability of the DEHC system to minor voltage transients.  The unit was returned to power operation at 2132 on January 31, 1995.

1: F: Forced  
 S: Scheduled

2: Reason  
 A - Equipment Failure (Explain)  
 B - Maintenance or Test  
 C - Refueling  
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 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