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Southern Nuclear Operating Company
the southern electric system

Dave Morey
Vice President
Farley Project

January 13, 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 December 1994 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:jgp(mor)

Attachments

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

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JE24

Joseph M. Farley Nuclear Plant
Unit 1
Narrative Summary of Operations
December 1994

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	January 9, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(205) 899-5156

OPERATING STATUS

1. Unit Name: **Joseph M. Farley - Unit 1**
2. Reporting Period: December 1994
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

Notes

1) Cumulative data since12-01-77, 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	8,760.0	149,760.0
12. Number Of Hours Reactor Was Critical	744.0	7,592.9	119,256.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	744.0	7,547.3	117,453.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,972,719.6	19,643,311.8	302,135,717.0
17. Gross Electrical Energy Generated (MWH)	649,957.0	6,398,659.0	97,413,705.0
18. Net Electrical Energy Generated (MWH)	618,121.0	6,059,835.0	91,999,989.0
19. Unit Service Factor	100.0	86.2	78.4
20. Unit Availabilty Factor	100.0	86.2	78.4
21. Unit Capacity Factor (Using MDC Net)	102.3	85.2	75.4
22. Unit Capacity Factor (Using DER Net)	100.2	83.4	74.1
23. Unit Forced Outage Rate	0.0	0.0	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 January 9, 1995
COMPLETED BY R. D. Hill
TELEPHONE (205) 899-5156

MONTH **December**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	834	17	832
2	831	18	832
3	827	19	834
4	827	20	833
5	825	21	831
6	829	22	832
7	829	23	830
8	829	24	832
9	828	25	833
10	826	26	833
11	833	27	832
12	834	28	832
13	834	29	831
14	833	30	830
15	833	31	831
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. 50-348
UNIT NAME J. M. Farley - Unit 1
DATE January 9, 1995
COMPLETED BY R. D. Hill
TELEPHONE (205) 899-5156

REPORT MONTH **December**

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
There were no shutdowns or power reductions during the month.									

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
December 1994

There were two unit shutdowns during the month.

At 0352 on 12/18/94, with the unit in mode 1 and operating at 100 percent reactor power, the reactor tripped due to low-low water level in the 2C steam generator (SG). This was a result of a transient initiated from the closing of all four governor valves due to an intermittent failure of the turbine control system. A suspect pressure switch, which provides an electrical input to the digital electro-hydraulic control (DEHC) auto stop latch circuitry was replaced.

The unit returned to 100 percent reactor power at 0542 on 12/21/94.

At 1534 on 12/25/94, with the unit in mode 1 and operating at 100 percent reactor power, the reactor tripped due to a turbine trip caused by an intermittent DEHC system failure. When compared to the 12/18/94 reactor trip, both trips were most likely caused by an intermittent DEHC system processor failure. Subsequently, the suspect DEHC cards were replaced.

The unit returned to 100 percent reactor power at 0743 on 12/28/94.

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

OPERATING DATA REPORT

DOCKET NO.	50-364
DATE	January 9, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(205) 899-5156

OPERATING STATUS

1. Unit Name: **Joseph M. Farley - Unit 2**
2. Reporting Period: December 1994
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	8,760.0	117,673.0
12. Number Of Hours Reactor Was Critical	702.0	8,704.0	101,657.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	676.0	8,660.8	100,222.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,709,587.1	22,804,352.9	256,339,705.7
17. Gross Electrical Energy Generated (MWH)	562,813.0	7,505,081.0	84,054,542.0
18. Net Electrical Energy Generated (MWH)	532,685.0	7,147,209.0	79,722,298.0
19. Unit Service Factor	90.9	98.9	85.2
20. Unit Availabilty Factor	90.9	98.9	85.2
21. Unit Capacity Factor (Using MDC Net)	87.1	99.3	82.6
22. Unit Capacity Factor (Using DER Net)	86.4	98.4	81.7
23. Unit Forced Outage Rate	9.1	1.1	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

DOCKET NO.	50-364
UNIT	2
DATE	January 9, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(205) 899-5156

MONTH **December**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	846	17	840
2	843	18	107
3	836	19	8.2
4	831	20	331
5	838	21	820
6	838	22	839
7	838	23	839
8	837	24	842
9	845	25	535
10	845	26	0
11	845	27	334
12	843	28	777
13	843	29	837
14	843	30	836
15	843	31	839
16	841		

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	January 9, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(205) 899-5156

REPORT MONTH **December**

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
004	12/18/94	F	38.2	A	3	94-003-00			At 0352 on 12/18/94, with the unit in mode 1 and operating at 100 percent reactor power, the reactor tripped due to low-low water level in the 2C steam generator (SG). This was a result of a transient initiated from the closing of all four governor valves due to an intermittent failure of the turbine control system. A suspect pressure switch, which provides an electrical input to the digital electro-hydraulic control (DEHC) auto stop latch circuitry was replaced. The unit returned to 100 percent reactor power at 0542 on 12/21/94.

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 Dare 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	January 9, 1995
COMPLETED BY	R. D. Hill
TELEPHONE	(205) 899-5156

REPORT MONTH **December**

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
005	12/25/94	F	29.81	A	3	94-004-00			At 1534 on 12/25/94, with the unit in mode 1 and operating at 100 percent reactor power, the reactor tripped due to a turbine trip caused by an intermittent DEHC system failure. When compared to the 12/18/94 reactor trip, both trips were most likely caused by an intermittent DEHC system processor failure. Subsequently, the suspect DEHC cards were replaced. The unit returned to 100 percent reactor power at 0743 on 12/28/94.

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