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SOUTHERN COMPANY
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February 12, 1997

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 January 1997 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. L. A. Reyes, Region II Administrator
Mr. J. I. Zimmerman, NRR Project Manager
Mr. T. M. Ross, FNP Sr. Resident Inspector

IE24

Joseph M. Farley Nuclear Plant
Unit 1
Narrative Summary of Operations
January 1997

At 0944 on January 22, 1997, with the unit in mode 1 operating at 100% reactor power, the unit was ramped down to 32% reactor power due to spurious movement of the main turbine #4 throttle valve in conjunction with the #2 throttle valve already closed. The spurious movement of the #4 throttle valve was attributed to a degraded pin connector at the electro-hydraulic (EH) servo valve junction box. The #2 throttle valve had previously failed closed during main turbine valve operability testing due to failure of the valve actuator linkage.

The EH servo valves were replaced on both throttle valves, the #2 throttle valve actuator linkage was repaired and the unit was returned to 100% reactor power at 1555 on January 25, 1997. Monitoring and investigation continues on the #4 throttle valve problem.

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

OPERATING DATA REPORT

DOCKET NO.	50-348
DATE	February 7, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156, ext.3640

OPERATING STATUS

1. Unit Name: **Joseph M. Farley - Unit 1**
2. Reporting Period: January 1997
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): 866
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 12-01-77, 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	744.0	168,048.0
12. Number Of Hours Reactor Was Critical	744.0	744.0	136,189.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	744.0	744.0	134,160.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,841,734.0	1,841,734.0	345,560,741.0
17. Gross Electrical Energy Generated (MWH)	602,187.0	602,187.0	111,613,765.0
18. Net Electrical Energy Generated (MWH)	570,173.0	570,173.0	105,452,129.0
19. Unit Service Factor	100.0	100.0	79.8
20. Unit Availability Factor	100.0	100.0	79.8
21. Unit Capacity Factor (Using MDC Net)	93.2	93.2	77.1
22. Unit Capacity Factor (Using DER Net)	92.4	93.2	75.7
23. Unit Forced Outage Rate	0.0	0.0	5.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling Outage scheduled for March 15, 1997 with a duration of 56 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	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 7, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH **January**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	824	17	833
2	824	18	824
3	820	19	727
4	822	20	765
5	824	21	824
6	830	22	518
7	831	23	147
8	831	24	199
9	831	25	689
10	832	26	828
11	835	27	825
12	835	28	824
13	835	29	829
14	834	30	829
15	830	31	829
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 February 7, 1997
COMPLETED BY M. W. McAnulty
TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH **January**

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD (3)	LER #	SYSTEM CODE	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
001	970122	F	0	A	4	N/A	TA	V	At 0944 on 970122, with the unit in Mode 1 operating at 99% reactor power, the unit was ramped down to 32% reactor power due to spurious movement of the #4 throttle valve (TV) on the main turbine in conjunction with the #2 TV already closed. The spurious movement of the #4 TV was attributed to a degraded pin connector at the electro-hydraulic (EH) servo valve junction box. The #2 TV had previously failed closed during main turbine valve operability testing due to failure of the valve actuator linkage. The EH servo valves were replaced on both TVs, the #2 TV actuator linkage was repaired and the unit was returned to 100% reactor power at 1555 on 970125. Monitoring and investigation continues on the #4 TV problem.

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)

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

Joseph M. Farley Nuclear Plant
Unit 2
Narrative Summary of Operations
January 1997

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.	50-364
DATE	February 7, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156, ext.3640

OPERATING STATUS

1. Unit Name: **Joseph M. Farley - Unit 2**
2. Reporting Period: January 1997
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	744.0	135,961.0
12. Number Of Hours Reactor Was Critical	744.0	744.0	116,861.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	744.0	744.0	115,114.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,972,928.9	1,972,928.9	293,421,023.1
17. Gross Electrical Energy Generated (MWH)	658,291.0	658,291.0	96,172,589.0
18. Net Electrical Energy Generated (MWH)	628,027.0	628,027.0	91,178,483.0
19. Unit Service Factor	100.0	100.0	84.7
20. Unit Availability Factor	100.0	100.0	84.7
21. Unit Capacity Factor (Using MDC Net)	102.7	102.7	81.7
22. Unit Capacity Factor (Using DER Net)	101.8	101.8	80.9
23. Unit Forced Outage Rate	0.0	0.0	3.7

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

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	Acnieved
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 7, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH **January**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	835	17	851
2	835	18	851
3	834	19	851
4	831	20	849
5	835	21	847
6	842	22	843
7	844	23	840
8	844	24	841
9	841	25	846
10	842	26	849
11	850	27	843
12	851	28	842
13	852	29	848
14	846	30	849
15	847	31	841
16	849		

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 7, 1997
COMPLETED BY M. W. McAnulty
TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH **January**

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD (3)	LER #	SYSTEM CODE	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)

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