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Southern Nuclear Operating Company

the southern electric system

Dave Morey
Vice President
Farley Project

November 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

Ladies and Gentlemen:

Attached are the October 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. Ebner, Region II Administrator
Mr. J. I. Zimmerman, NRR Project Manager
Mr. T. M. Ross, FNP Sr. Resident Inspector

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Joseph M. Farley Nuclear Plant
Unit 1
Narrative Summary of Operations
October 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	November 6, 1996	
COMPLETED BY	M. W. McAnulty	
TELEPHONE	(334) 899-5156, ext.3640	

OPERATING STATUS

- | | | |
|---|---------------------------|--|
| 1. Unit Name: | Joseph M. Farley - Unit 1 | |
| 2. Reporting Period: | October 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 | |

Notes

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

	This Month	Yr. to Date	Cumulative
11. Hours in Reporting Period	745.0	7,320.0	165,840.0
12. Number Of Hours Reactor Was Critical	745.0	7,291.3	133,980.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	745.0	7,276.0	131,951.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,975,740.0	19,082,954.1	339,837,327.0
17. Gross Electrical Energy Generated (MWH)	647,260.0	6,242,755.0	109,734,909.0
18. Net Electrical Energy Generated (MWH)	615,186.0	5,928,653.0	103,668,305.0
19. Unit Service Factor	100.0	99.4	79.6
20. Unit Availability Factor	100.0	99.4	79.6
21. Unit Capacity Factor (Using MDC Net)	101.7	99.7	77.0
22. Unit Capacity Factor (Using DER Net)	99.6	97.7	75.4
23. Unit Forced Outage Rate	0.0	0.0	5.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage scheduled for March 15, 1997 with a duration of 49 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 November 6, 1996
COMPLETED BY M. W. McNulty
TELEPHONE (334) 899-5156 ext 3640

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	821	17	823
2	818	18	826
3	820	19	833
4	821	20	833
5	829	21	831
6	828	22	827
7	828	23	829
8	824	24	832
9	826	25	827
10	828	26	818
11	831	27	819
12	829	28	822
13	829	29	821
14	828	30	819
15	827	31	827
16	826		

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 November 6, 1996

COMPLETED BY M. W. McAnulty

TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH **October**[illegible]

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
October 1996

The unit was taken off line at 0001 on October 12, 1996, for the eleventh refueling outage. In response to NRC Bulletin 96-01 "Control Rod Insertion Problems", the unit was manually tripped from 2% reactor power and all rods inserted.

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

1. Eighteen month PM's were performed on the 2B diesel generator. This included replacing the tube bundles for the intercooler, jacket water and lube oil heat exchangers.
2. The 2A RHR loop suction relief valve was rebuilt after failing to completely reseal during a pressure transient that occurred after shutdown.

The following maintenance was associated with outage activities:

1. The reactor was defueled. Visual inspection of the fuel was performed during the off load. Fuel oxide thickness measurements were performed as was control rod drag testing.
2. The 10 year inspection of the 2C reactor coolant pump was commenced which included a stator replacement.
3. Performed pressure pulse and sludge lance of secondary of steam generators and began 100% eddy current testing of steam generator tubes.
4. Modification to autosequence the 2D service air compressor onto the A train diesel generator during LOSP, LOSP/SI and Station Blackout events.
5. Replaced the 2A and 2B RHR pump impellers to increase the pump performance margin at the runout end.

OPERATING DATA REPORT

DOCKET NO.	50-364	
DATE	November 6, 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: | October 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	745.0	7,320.0	133,753.0
12. Number Of Hours Reactor Was Critical	265.9	6,840.9	115,744.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	264.0	6,839.0	114,049.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	696,494.8	17,725,193.8	290,698,984.2
17. Gross Electrical Energy Generated (MWH)	226,753.0	5,806,131.0	95,268,610.0
18. Net Electrical Energy Generated (MWH)	211,291.0	5,520,617.0	90,334,268.0
19. Unit Service Factor	35.4	93.4	85.3
20. Unit Availability Factor	35.4	93.4	85.3
21. Unit Capacity Factor (Using MDC Net)	34.5	91.7	82.4
22. Unit Capacity Factor (Using DER Net)	34.2	91.0	81.5
23. Unit Forced Outage Rate	0.0	0.0	3.8
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:	11/29/96	
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	November 6, 1996
COMPLETED BY	M. W. McNulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	821	17	0
2	819	18	0
3	821	19	0
4	822	20	0
5	832	21	0
6	830	22	0
7	832	23	0
8	828	24	0
9	829	25	0
10	832	26	0
11	733	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
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

DOCKET NO. 50-364

UNIT NAME J. M. Farley - Unit 2

DATE November 6, 1996

COMPLETED BY M. W. McAnulty

TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH **October**[illegible]

1:

2:

3.

EVENTS REPORTED

F: Forced

Reason

Method

INVOLVE A

S: Scheduled

A - Equipment Failure (Explain)

1 - Manual

GREATER THAN 20%

B - Maintenance or Test

2 - Manual Scram

REDUCTION IN

C - Refueling

3 - Automatic Scram

AVERAGE DAILY

D - Regulatory Restriction

4 - Other (Explain)

POWER LEVEL FOR

E - Operator Training & License Examination

THE PRECEDING 24

F - Administrative

HOURS.

G - Operational Error (Explain)

H - Other (Explain)