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Southern Nuclear Operating Company
the southern electric system

Dave Morey
Vice President
Farley Project

December 12, 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 Report

Gentlemen:

Attached are the November 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:(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
November 1995

The unit was taken off line at 0020 on September 16, 1995, for the thirteenth refueling outage. The unit was synchronized to the grid at 0345 on November 4, 1995.

At 1905, on November 5, 1995, with the unit in Mode 1 operating at 28 percent power, an automatic actuation of engineered safety feature (ESF) pumps occurred when both motor driven auxiliary feedwater (MDAFW) pumps auto started due to trip conditions on both steam generator feedwater pumps (SGFP). This occurred when the operating 'B' SGFP tripped on low lube oil pressure during attempts to return lube oil system to its normal operating configuration. The 'A' SGFP had been taken out of service to have an overspeed test performed and was unavailable at the time of the trip. The 'B' SGFP trip, concurrent with the 'A' SGFP being off-service, resulted in a trip condition on both SGFPs and the automatic actuation of the MDAFW pumps. These actions were followed by a manual trip of the main turbine. The reactor was stabilized at one percent power.

It was determined that the SGFP's lube oil pressure regulating system had been improperly adjusted due to inadequate procedural guidance. The lube oil pressure regulating system was properly adjusted, restarted and the system functioned as designed. The unit was synchronized to the grid at 0251 on November 8, 1995.

At 0240 on November 10, 1995, the Main Generator was removed from the grid due to a ground indication on the #9 exciter bearing. It was determined that the leads to the RTD were damaged. Repairs were made and the unit was synchronized to the grid at 0103 on November 12, 1995.

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

OPERATING DATA REPORT

DOCKET NO.	50-348
DATE	December 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156
	ext. 3442

OPERATING STATUS

- | | |
|---|----------------------------------|
| 1. Unit Name: | Joseph M. Farley - Unit 1 |
| 2. Reporting Period: | November 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	720.0	8,016.0	157,776.0
12. Number Of Hours Reactor Was Critical	717.0	6,688.6	125,945.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	542.1	6,477.8	123,931.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,237,396.7	16,647,188.3	318,782,905.3
17. Gross Electrical Energy Generated (MWH)	396,322.0	5,425,274.0	102,838,979.0
18. Net Electrical Energy Generated (MWH)	368,610.0	5,118,254.0	97,118,243.0
19. Unit Service Factor	75.3	80.8	78.5
20. Unit Availability Factor	75.3	80.8	78.5
21. Unit Capacity Factor (Using MDC Net)	63.0	78.6	75.6
22. Unit Capacity Factor (Using DER Net)	61.8	77.0	74.3
23. Unit Forced Outage Rate	15.9	5.2	5.9
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	
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	December 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156 ext. 3442

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	825
2	0	18	825
3	0	19	825
4	102	20	826
5	106	21	824
6	0	22	828
7	0	23	831
8	139	24	829
9	341	25	833
10	0	26	833
11	0	27	829
12	251	28	826
13	627	29	829
14	765	30	833
15	814	31	N/A
16	813		

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 December 8, 1995
 COMPLETED BY S. M. Allison
 TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH November

NO.	DATE	T Y P E (1)	DURATION (HOURS) (2)	R E A S O N (3)	M E T H O D (4)	LER #	S Y S T E M (5)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION ; PREVENT RECURRENCE
004	951101	S	75.75	C	1	N/A	ZZ	ZZZZZZ	The unit was taken off line at 0020 on September 16, 1995, for the thirteenth refueling outage. The unit was synchronized to the grid at 0345 on November 4, 1995.
005	951105	F	55.77	F	2	95-010	SL	ZZZZZZ	<p>At 1905, on November 5, 1995, with the unit in Mode 1 operating at 28 percent power, an automatic actuation of engineered safety feature (ESF) pumps occurred when both motor driven auxiliary feedwater (MDAFW) pumps auto started due to trip conditions on both steam generator feedwater pumps (SGFP).</p> <p>It was determined that the SGFP's lube oil pressure regulating system had been improperly adjusted due to inadequate procedural guidance. The lube oil pressure regulating system was properly adjusted, restarted and the system functioned as designed. The unit was synchronized</p>

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)		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364
 UNIT NAME J. M. Farley - Unit 1
 DATE December 8, 1995
 COMPLETED BY S. M. Allison
 TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH November

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	951105	F	55.77	F	2	95-010	SL	ZZZZZZ	to the grid at 0251 on November 8, 1995.
006	951110	F	46.38	A	N/A	N/A	TB	EXC	At 0240 on November 10, 1995, the Main Generator was removed from the grid due to a ground indication on the #9 exciter bearing. It was determined that the leads to the RTD were damaged. Repairs were made and the unit was synchronized to the grid at 0103 on November 12, 1995.

- | | | | |
|--------------|---|---------------------|------------------|
| 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) | | |

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

At 1749 on November 14, 1995, with the unit in mode 1 operating at 100 percent reactor power, the unit was ramped down to 79 percent reactor power due to a leak in the 2B Circulating Water pump upper RTD connection. Repairs were made and the unit was returned to 100 percent reactor power at approximately 0403 on November 15, 1995.

At 1234 on November 28, 1995, with the unit in mode 1 operating at 100 percent reactor power, the reactor tripped due to a turbine trip during a DEH card replacement. This event will be described in detail in LER 95-008 (Unit 2). The unit was synchronized to the grid at 0758 on November 30, 1995.

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

OPERATING DATA REPORT

DOCKET NO.	50-364
DATE	December 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156 ext. 3442

OPERATING STATUS

- | | |
|---|----------------------------------|
| 1. Unit Name: | Joseph M. Farley - Unit 2 |
| 2. Reporting Period: | November 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	720.0	8,016.0	125,689.0
12. Number Of Hours Reactor Was Critical	683.4	6,501.7	108,159.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	676.6	6,243.6	106,466.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,772,331.6	14,694,597.5	271,034,303.2
17. Gross Electrical Energy Generated (MWH)	585,344.0	4,764,132.0	88,818,674.0
18. Net Electrical Energy Generated (MWH)	556,506.0	4,477,936.0	84,200,234.0
19. Unit Service Factor	94.0	77.9	84.7
20. Unit Availability Factor	94.0	77.9	84.7
21. Unit Capacity Factor (Using MDC Net)	94.0	68.0	81.7
22. Unit Capacity Factor (Using DER Net)	93.2	67.4	80.8
23. Unit Forced Outage Rate	6.0	4.7	4.0
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	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	December 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156 ext. 3442

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	829	17	841
2	828	18	840
3	834	19	839
4	844	20	840
5	843	21	840
6	841	22	844
7	832	23	841
8	841	24	839
9	843	25	844
10	839	26	843
11	837	27	838
12	843	28	424
13	842	29	0
14	808	30	169
15	829	31	N/A
16	843		

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 December 8, 1995
 COMPLETED BY S. M. Allison
 TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH November

NO.	DATE	T Y P E (1)	DURATION (HOURS)	R E A S O N (2)	M E T H O D (2)	LER #	S Y S T E M	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
013	951114	F	0	A	4	N/A	KE	MO	At 1749 on November 14, 1995, with the unit in mode 1 operating at 100 percent reactor power, the unit was ramped down to 79 percent reactor power due to a leak in the 2B Circulating Water pump upper RTD connection. Repairs were made and the unit was returned to 100 percent reactor power at approximately 0403 on November 15, 1995.
014	951128	F	43.4	H	3	95-008	JJ	ZZZZZZ	At 1234 on November 28, 1995, with the unit in mode 1 operating at 100 percent reactor power, the reactor tripped due to a turbine trip during a DEH card replacement. This event will be described in detail in LER 95-008 (Unit 2). The unit was synchronized to the grid at 0758 on November 30, 1995.

1:	2:	3:	EVENTS REPORTED
F: Forced	Reason	Method	INVOLVE A
S: Scheduled	A - Equipment Failure (Explain)	1 - Manual	GREATER THAN 20%
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	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)		